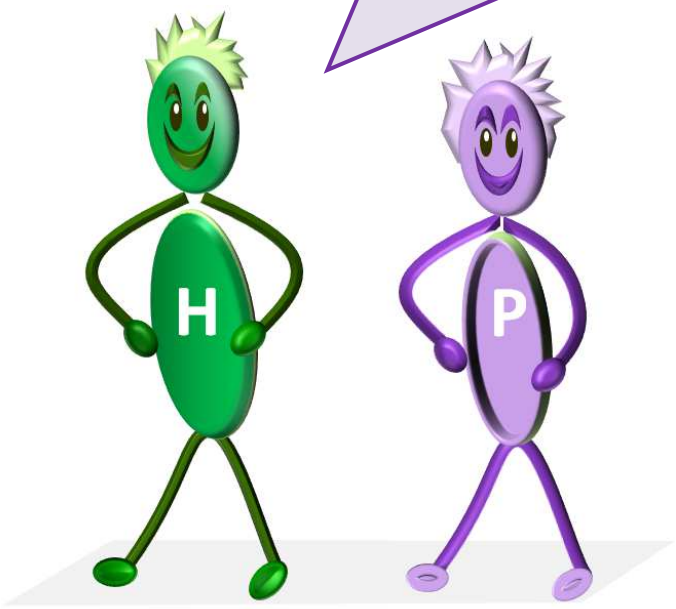
Henry and Poppy

have fun with numbers

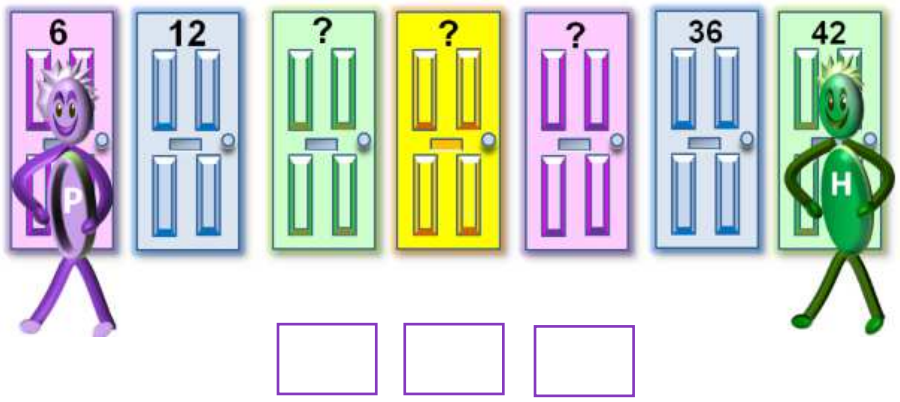
Year 4 maths

(for 8-9 year olds)

We had fun making these questions for you. Enjoy them.



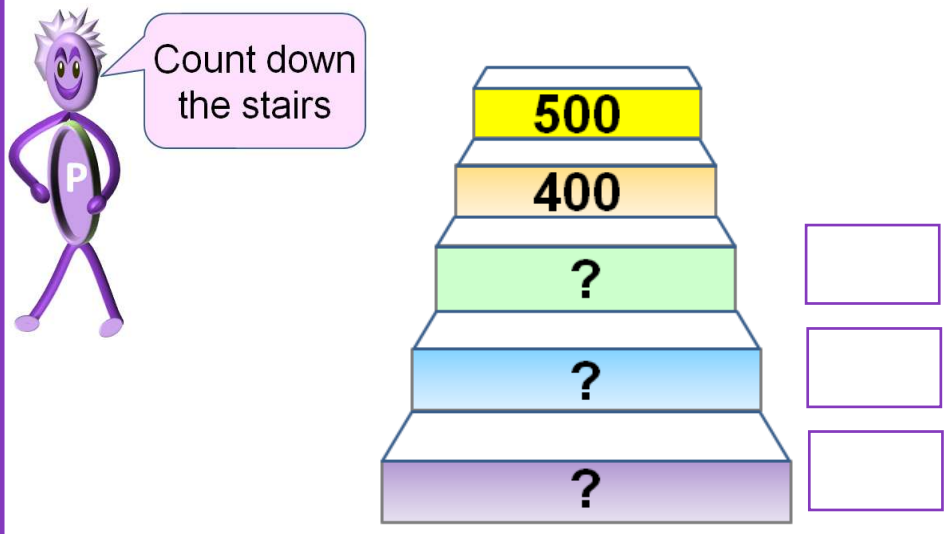
1 Write the missing door numbers



1 mark

4N1: Count from 0 in multiples of **6**, 7, 9, 25 and 100

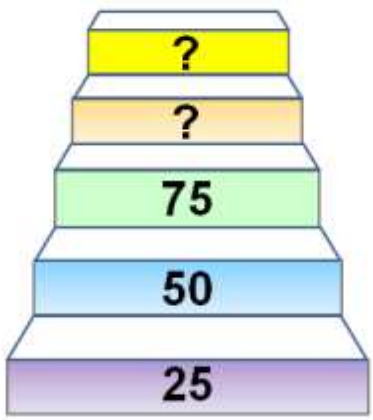
2 Write the missing numbers



1 mark

4N1: Count from 0 in multiples of 6, 7, 9, 25 and **100**

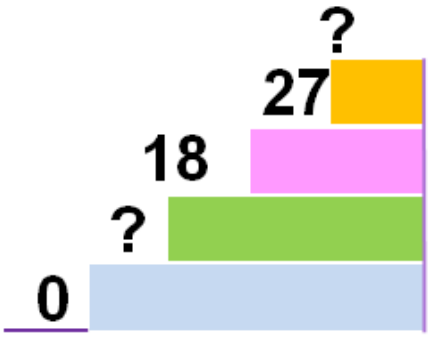
3 Write the missing numbers



1 mark

4N1: Count from 0 in multiples of 6, 7, 9, **25** and 100

4 Write the missing numbers



1 mark

4N1: Count from 0 in multiples of 6, 7, **9**, 25 and 100

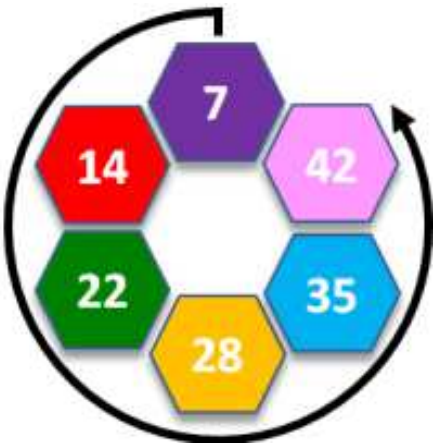
5 Write the missing numbers

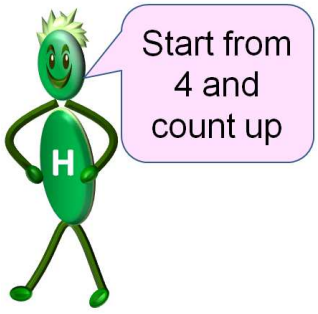
200	225	?	?	300
21	28	?	42	?
27	?	?	54	63

3 marks

4N1: Count from 0 in multiples of 6, **7, 9**, **25** and 100

6 Which number is wrong

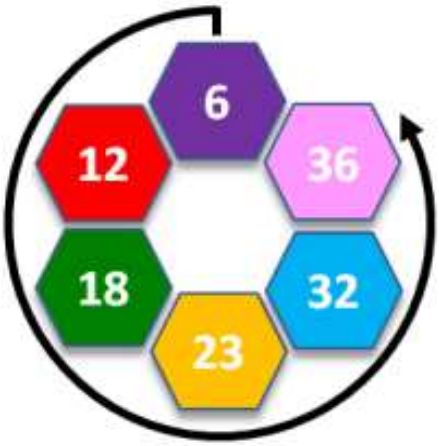




1 mark

4N1: Count from 0 in multiples of 6, **7**, 9, 25 and 100

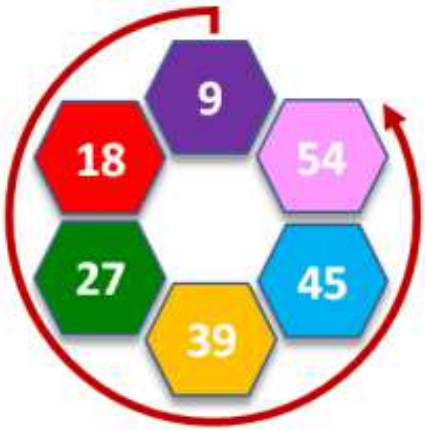
7 Which number is wrong



1 mark

4N1: Count from 0 in multiples of **6**, 7, 9, 25 and 100

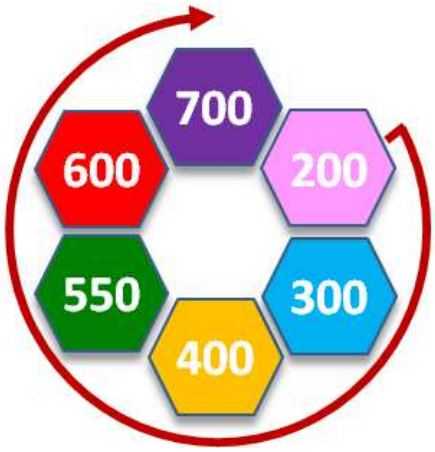
8 Which number is wrong



1 mark

4N1: Count from 0 in multiples of 6, 7, **9**, 25 and 100

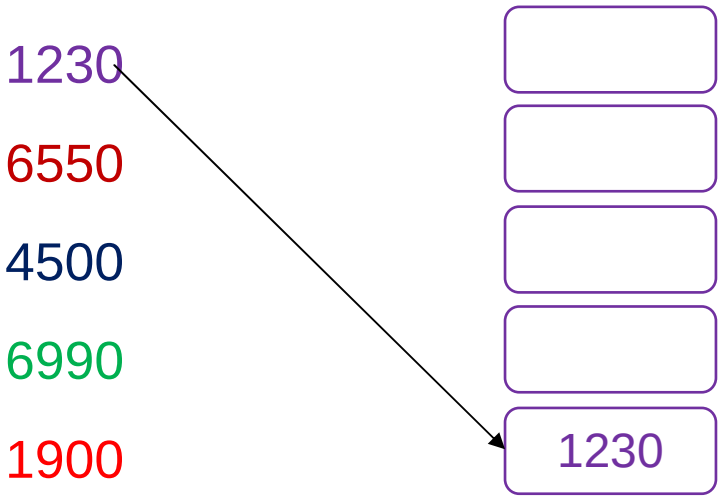
9 Which number is wrong



1 mark

4N1: Count from 0 in multiples of 6, 7, 9, 25 and **100**

1 Put these numbers in order



1 mark

4N2a: compare and order numbers beyond 1000;

2 Put these numbers in order

1 mark

4N2a: compare and order numbers beyond 1000;

3

Write in words the number **2001**.

1 mark

Write in words the number **3200**.

1 mark

Write in words the number **6103**.

1 mark

4N2a: compare and order numbers beyond 1000;

4

Write **2015** in **WORDS**

Write **two thousand, nine hundred and six** as a **NUMBER**

1 mark

4N2a: compare and order numbers beyond 1000;

5 Write **6117** in **WORDS**

Write **Three thousand, one hundred and seventy two** as a **NUMBER**

1 mark

4N2a: compare and order numbers beyond 1000;

6 For each number word, tick (✓) the correct number. The first one is done for you.

☑ **1006**	**One thousand and six**	**1060** ☐
☐ **300201**	**Three thousand, two hundred and one**	**3201** ☐
☐ **70500**	**Seven thousand five hundred**	**7500** ☐

1 mark

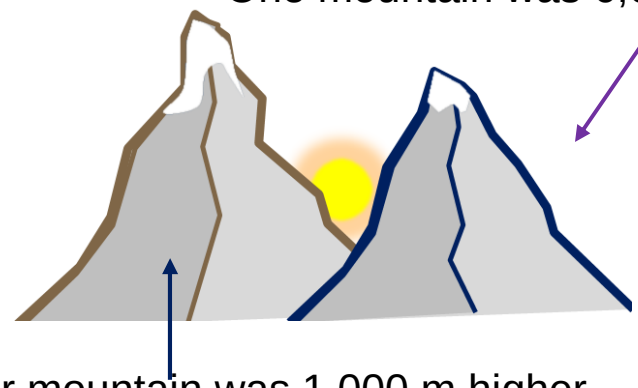
1 mark

1 mark

4N2a: compare and order numbers beyond 1000;

1

One mountain was 6,000 m high.



Another mountain was 1,000 m higher.

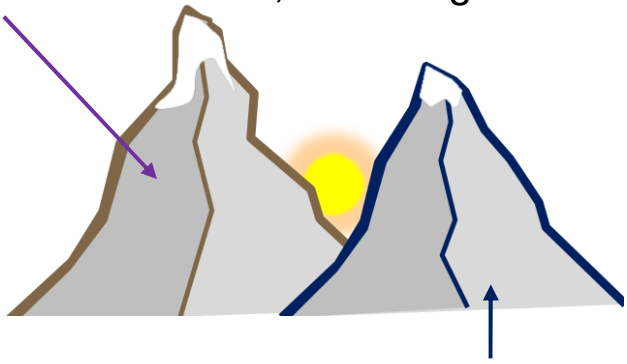
How high was this mountain ____ m

1 mark

4N2b : Find 1000 more or less than a given number

1

One mountain was 11,000 m high.



Another mountain was 1,000 m lower.

How high was this mountain ____ m

1 mark

4N2b : Find 1000 more or less than a given number

3 What is one thousand less than **4567**?

1 mark

4N2b : Find 1000 more or less than a given number

4 What is three thousand more than **2345**?

1 mark

4N2b : Find 1000 more or less than a given number

5 From Poppy's to Henry's house it is 3400 metres

From Henry's to Nanny's house it is 1000m

How far is it from Poppy's to Nanny's house.

m

1 mark

4N2b : Find 1000 more or less than a given number

6 From Poppy's to Nanny's house it is 5600 metres

From Henry's to Nanny's house it is 1000m

How far is it from Poppy's to Henry's house.

m

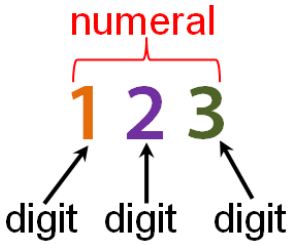
1 mark

4N2b : Find 1000 more or less than a given number

1

Do you know what a digit is?

The number 123 has 3 digits



How many digits do these numbers have:

1234	
555	
9	
88888	

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

2

Henry, I bet you can't do
123 + 45

That's easy
1+2+3+4+5 is fifteen

Opps – you need some help
understanding numbers

My teacher said
Each digit in a number means something different.
What did she mean?

Well, the 1 means hundreds
the 2 means tens
the 3 is units

123 has 3 digits

each means something different

Hundreds	Tens	Units
H	T	U
1	2	3

so 123 = 100 + 20 + 3

123 + 45 is 100+20+3+40+5 =168

Yippee I got it right

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

3 What are the thousands, hundreds, tens and ones in **6794**

Thousands	Hundreds	Tens	Ones

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

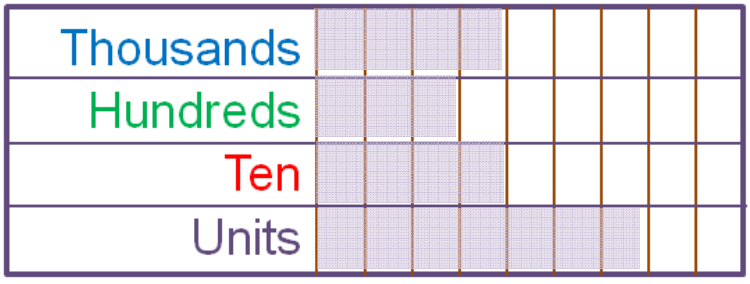
4 What are the thousands, hundreds, tens and ones in **9876**

Thousands	Hundreds	Tens	Ones

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

5 What is this number



1 mark

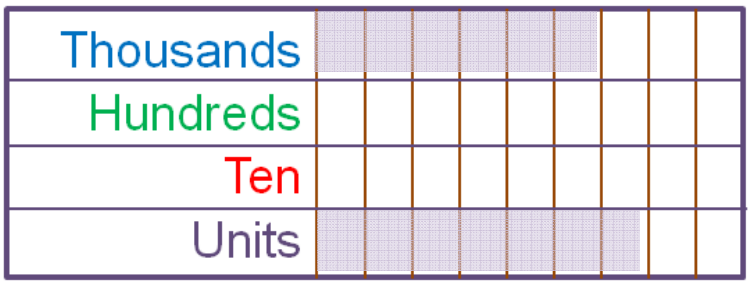
4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

6 Colour in the number:5678

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

7 What is this number



1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

8 What is the largest number you can make with the four digits?

1 mark

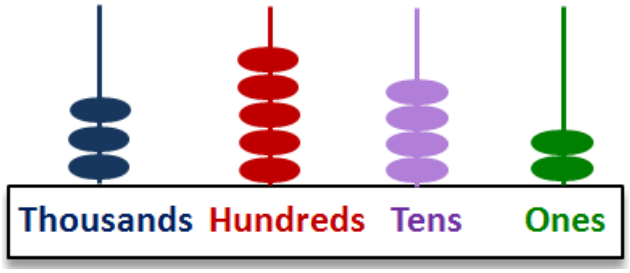
4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

9 What is the smallest number you can make with the four digits?

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

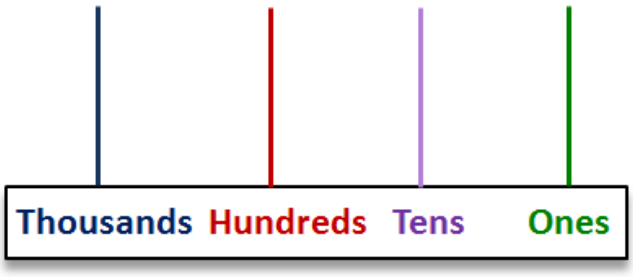
10 Write down the numbers on the thousands/hundreds/tens/units abacus



1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

10 Draw beads on the tens/units abacus to make the numbers.



3 2 4 1

1 mark

4N3a: recognise the place value of each digit in a four digit number (thousands hundreds, tens, ones)

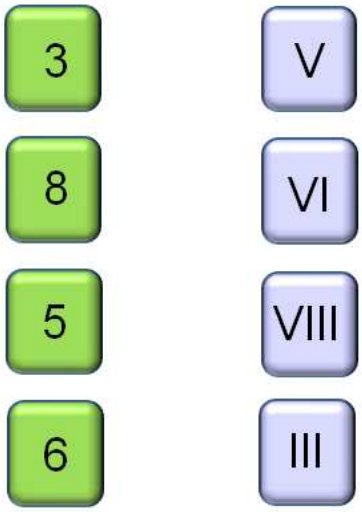
1 Write these numbers as roman numerals.

7	____
10	____
50	____
100	____

1 mark

4N3b: Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

2 Match these numbers and roman numerals.



1 mark

4N3b: Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

3 Write these roman numerals as numbers.

XII ____

XXX ____

LXX ____

XC ____

1 mark

4N3b: Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

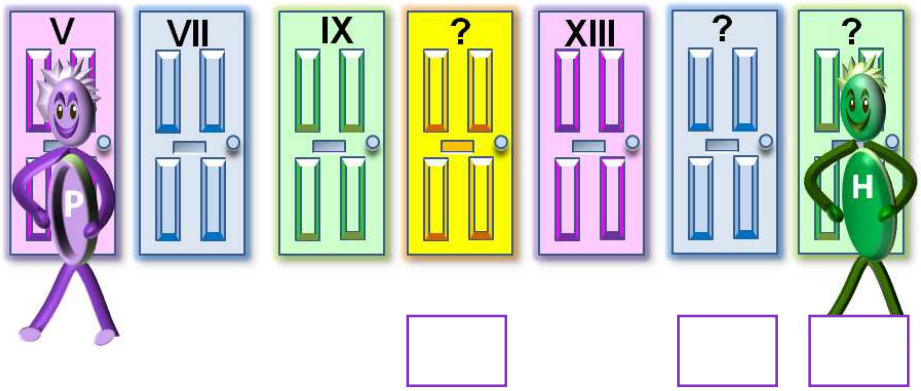
4 Match these numbers and roman numerals.

100	XX
50	LX
20	L
60	C

1 mark

4N3b: Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

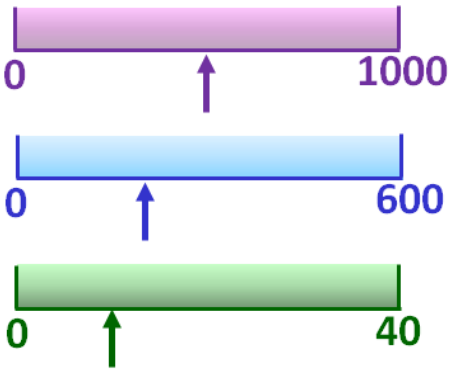
5 Write the missing door numbers in roman numerals.



1 mark

4N3b: Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

1 Estimate each pointer value.



1 mark

4N4a: Identify, represent and estimate numbers using different representations

2 Poppy is 120cm tall. Estimate how high the tree is.

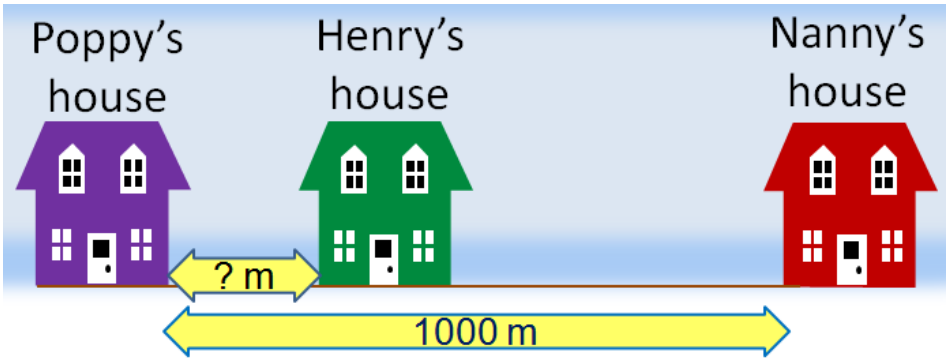
m

1 mark

4N4a: Identify, represent and estimate numbers using different representations

3 From Poppy's to Nanny's house it is 1000m.

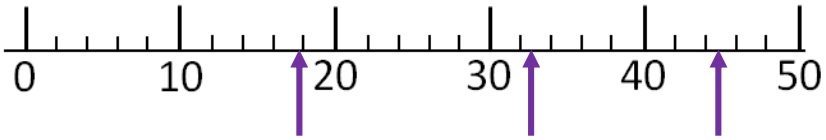
Estimate how far it is from Poppy's to Henry's house.



m 1 mark

4N4a: Identify, represent and estimate numbers using different representations

1 Round these numbers to the nearest 10

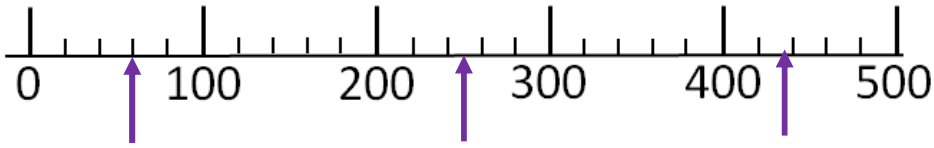


18 **33** **45**

1 mark

4N4b: Round any number to the nearest 10, 100 or 1000

2 Round these numbers to the nearest 100

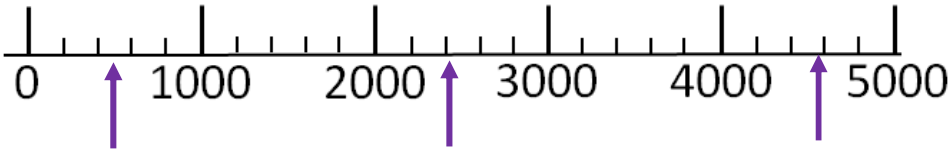


60 **250** **438**

1 mark

4N4b: Round any number to the nearest 10, **100** or 1000

3 Round these numbers to the nearest 1000

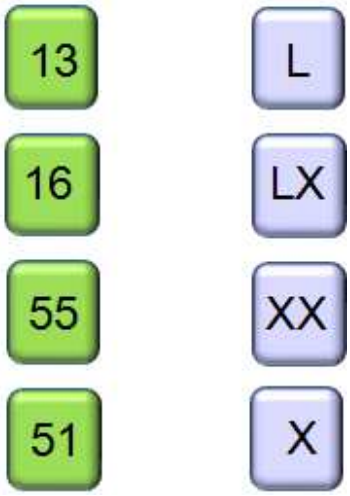


499 **2409** **4599**

1 mark

4N4b: Round any number to the nearest 10, 100 or **1000**

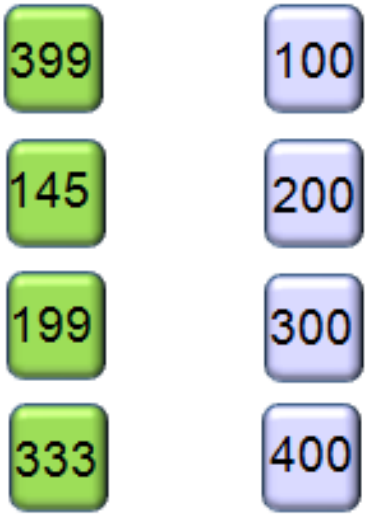
4 Round the numbers to nearest 10 then match the roman numeral



1 mark

4N4b: Round any number to the nearest 10, 100 or 1000

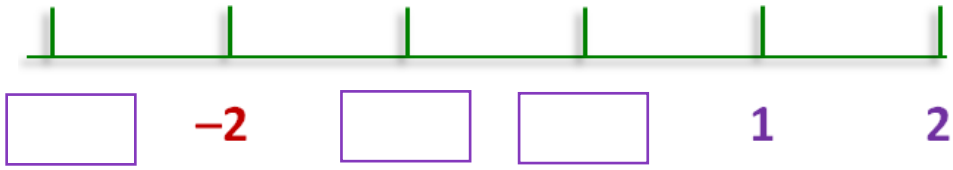
5 Round and match the numbers to nearest 100



1 mark

4N4b: Round any number to the nearest 10, 100 or 1000

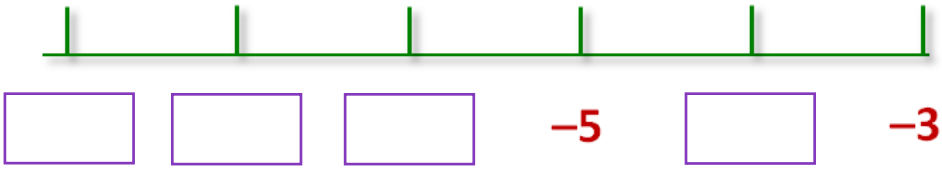
1 Complete the number line.



1 mark

4N5: Count backwards through zero to include negative numbers

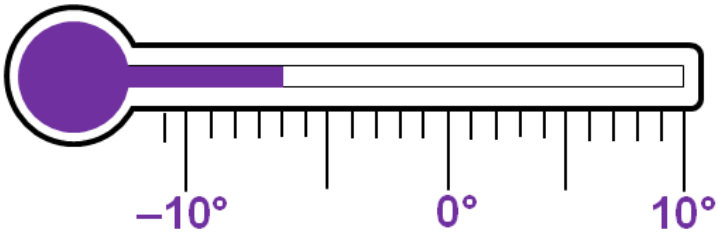
2 Complete the number line.



1 mark

4N5: Count backwards through zero to include negative numbers

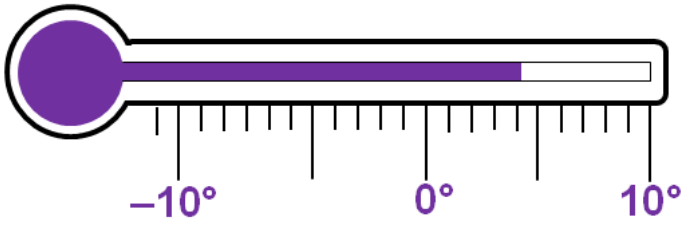
3 What is the thermometer reading.



1 mark

4N5: Count backwards through zero to include negative numbers

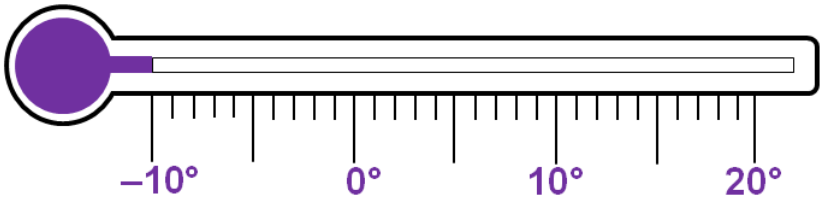
4 What is 10° less than the thermometer reading.



1 mark

4N5: Count backwards through zero to include negative numbers

5 Colour in the thermometer reading to be 12° more



1 mark

4N5: Count backwards through zero to include negative numbers

6 What is

5	–	6	=	
– 1	–	1	=	
– 3	–	8	=	

3 marks

4N5: Count backwards through zero to include negative numbers

1 What are the missing numbers (?).

14	+	?	=	6			
?	–	20	=	–5			
–11	–	11	=	?			

3 marks

4N6: Solve number problems and practical problems involving **4N1–4N5**

2 Match the answers with a line.

–11	–	2	=	9
43	–	34	=	–13
–33	+	35	=	8
5	–	–3	=	2

4 marks

4N6: Solve number problems and practical problems involving **4N1–4N5**

3 Answer these roman numerals questions.

XV + V = ☐

XXX + XX = ☐

X – V = ☐

L – X = ☐

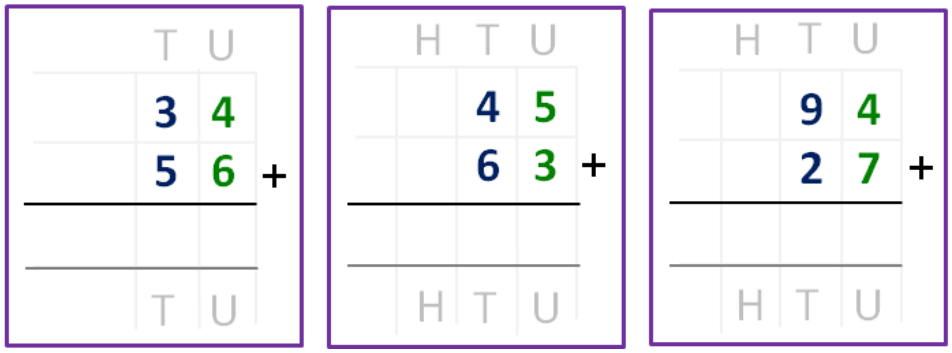
C – X = ☐

5 marks

4N6: Solve number problems and practical problems involving **4N1–4N5**

1

Complete the sum

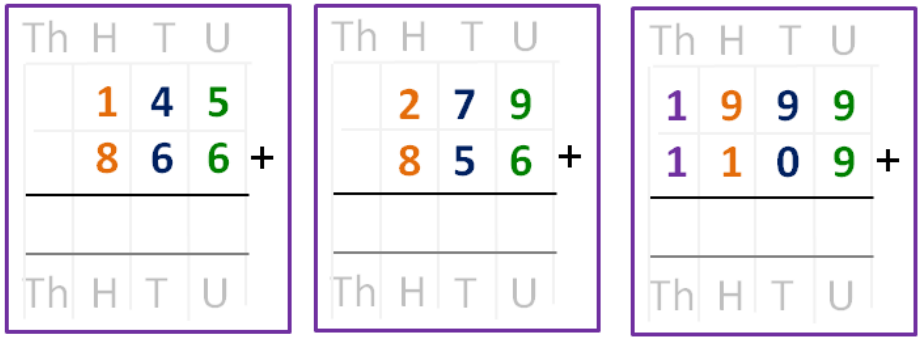


3 marks

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

2

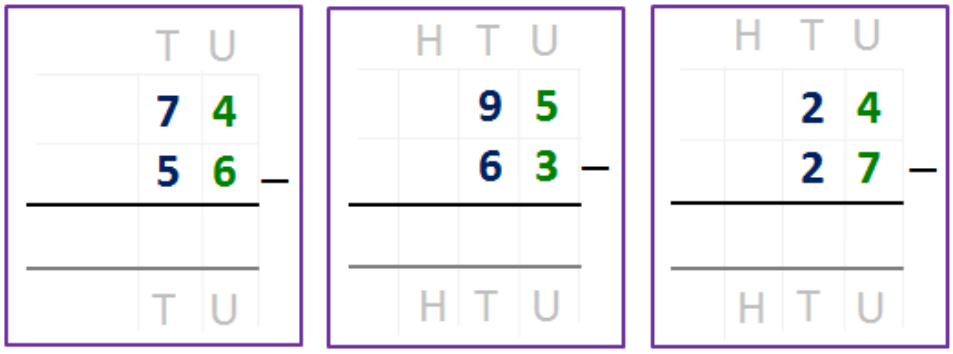
Complete the sum



3 marks

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

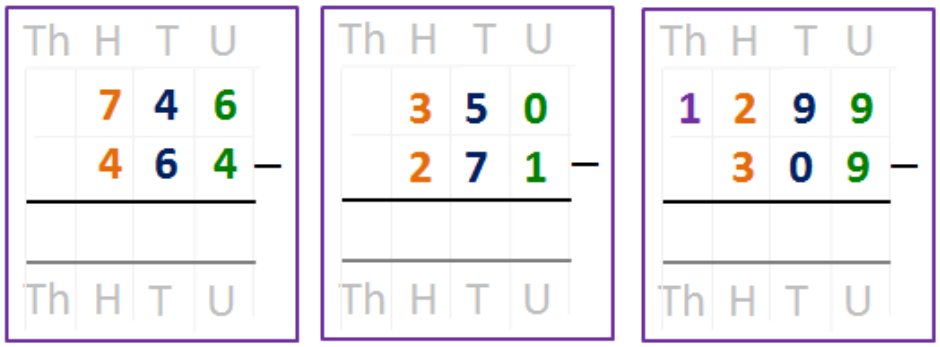
3 Complete the sum



3 marks

4C2: Add and **subtract** numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

4 Complete the sum

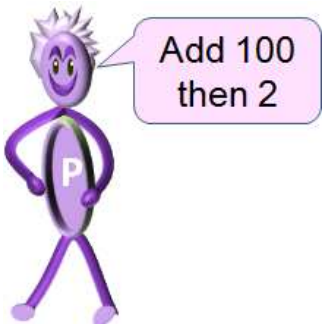


3 marks

4C2: Add and **subtract** numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

5

235 + 102 = ☐



1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

6

450 – 302 = ☐

1 mark

4C2: Add and **subtract** numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

7

$$\begin{array}{r} 1\ 2\ 3\ 4 \\ 4\ 5\ 6 + \\ \hline \square \end{array}$$

1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

8

$$\begin{array}{r} 1\ 2\ 3\ 4 \\ 6\ 7\ 8 + \\ \hline \square \end{array}$$

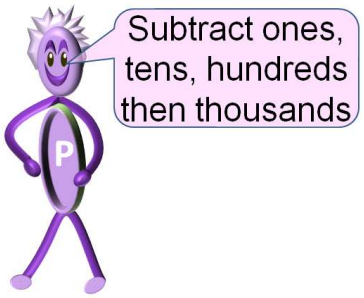
1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

9

1 2 3 4

1 2 3 –



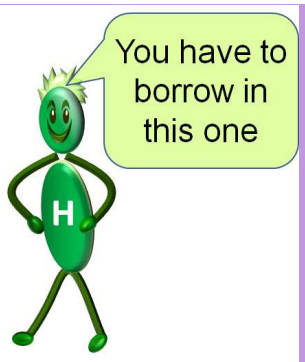
1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

10

2 3 4 5

1 2 6 –



1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

11

$$\begin{array}{r} 2\ 3\ 4\ 5 \\ -\ 2\ 4\ 6 \\ \hline \square \end{array}$$

1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

12

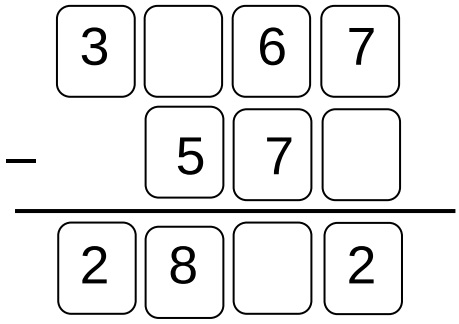
Write the missing digits to make this addition correct.

$$\begin{array}{r} 2\ \square\ 0\ \square \\ +\ \ 9\ \square\ 5 \\ \hline 1\ 3\ 3\ 4 \end{array}$$

1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

13 Write the missing digits to make this addition correct.



1 mark

4C2: Add and subtract numbers with up to 4 digits, using formal written methods of columnar addition and subtraction

1

Estimate the answer

101 + 22 is about [120] ✓

132 + 79 is about [ ]

99 + 98 is about [ ]

2 marks

4C3: Estimate and use inverse operations to check answers to a calculation

2

Estimate the answer

249 + 99 is about [ ]

151 + 153 is about [ ]

89 + 72 is about [ ]

3 marks

4C3: Estimate and use inverse operations to check answers to a calculation

3 Help me **estimate** the answer

149 – 122 is about 30 ✓

199 – 97 is about

249 – 121 is about

2 marks

4C3: Estimate and use inverse operations to check answers to a calculation

4 Help me **estimate** the answer

701 – 202 is about

332 – 69 is about

499 – 249 is about

3 marks

4C3: Estimate and use inverse operations to check answers to a calculation

5

Write the inverse then

mark the answer right ✓ or wrong ✗

	Inverse	
27 – 13 = 14 →	27 = 14 + 13	✓
32 + 18 = 40 →	_____	
19 – 13 = 5 →	_____	
99 + 9 = 107 →	_____	

3 marks

4C3: Estimate and use inverse operations to check answers to a calculation

6

Write the inverse then

mark the answer right ✓ or wrong ✗

	Inverse	
28 ÷ 2 = 14 →	28 = 14 × 2	✓
20 ÷ 4 = 5 →	_____	
16 × 3 = 28 →	_____	
21 × 4 = 64 →	_____	

3 marks

4C3: Estimate and use inverse operations to check answers to a calculation

7 Poppy's mum bought her a teddy.

She paid with £20 and got £7.50 change.

How much was the teddy? £

1 mark

4C3: Estimate and use inverse operations to check answers to a calculation

8 Henry bought some sweets shown.

He got 26p change.

What coin did he pay with?

2 marks

4C3: Estimate and use inverse operations to check answers to a calculation

9 Poppy bought some sweets shown.

She got 1p change.

What two coins did she pay with?

2 marks

4C3: Estimate and use inverse operations to check answers to a calculation

1 Poppy's mum bought her some soft toys.

It was £12 for a Teddy and £14 for a rabbit

Her mum paid with £30.

How much change did she get? £

2 marks

4C4: Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

2 Poppy's mum bought her some soft toys.

It was £12 for a Teddy and £14 for a rabbit

She got £14 change.

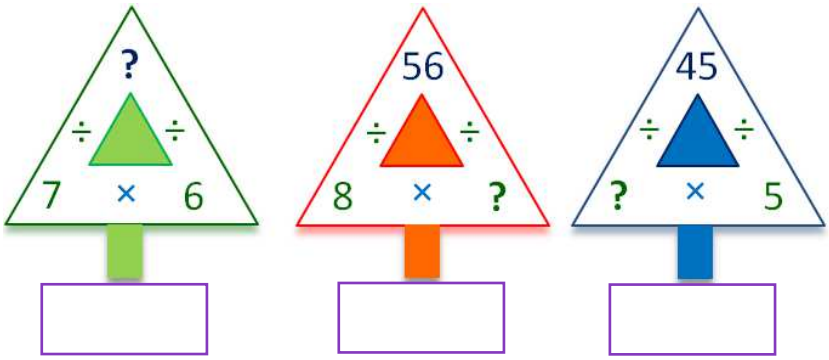
Which two £ notes did she pay with?

2 marks

4C4: Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

1

What is the missing number?

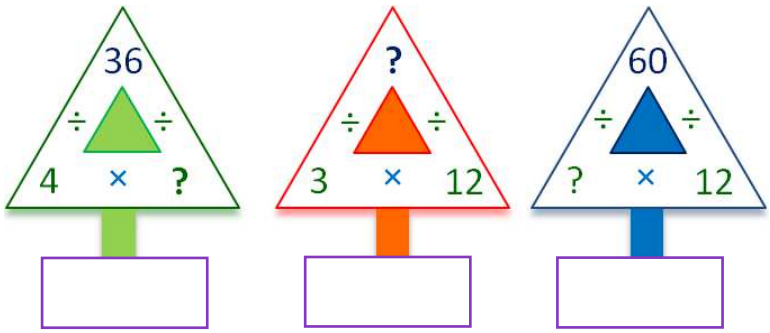


1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

2

What is the missing number?

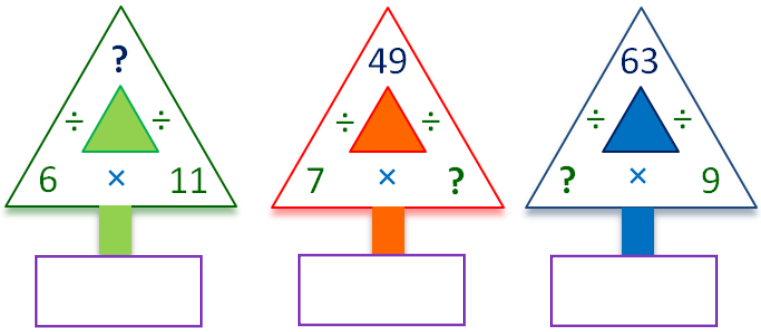


1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

3

What is the missing number?



1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

4

$48 \div 4 =$ ☐

1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

5

$66 \div 11 =$ ☐

1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

6

$9 \times 9 =$ ☐

1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12

7 Use the grid to do 9 × 7

×	9
7	

1 mark

4C6a: recall and use multiplication and division facts for multiplication tables up to 12 × 12 .

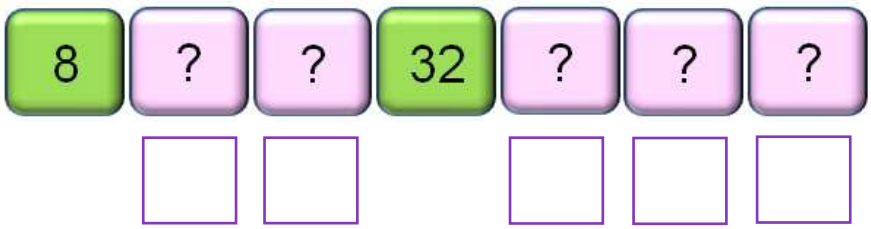
8 Use the grid to do 12 × 6

×	10	2
6		

1 mark

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

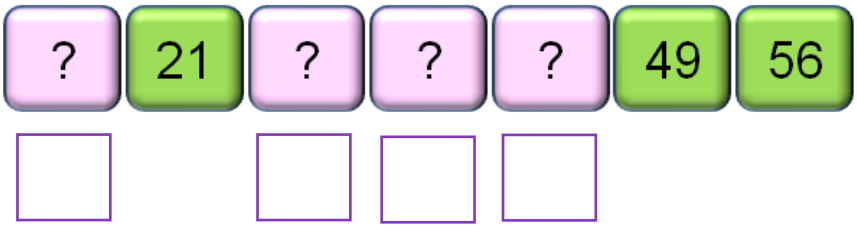
9 Complete the number pattern



1 mark

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

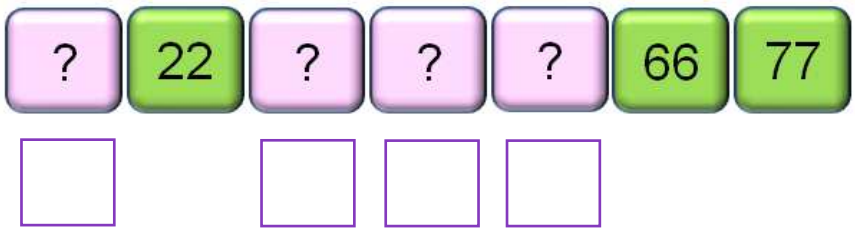
10 Complete the number pattern



1 mark

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

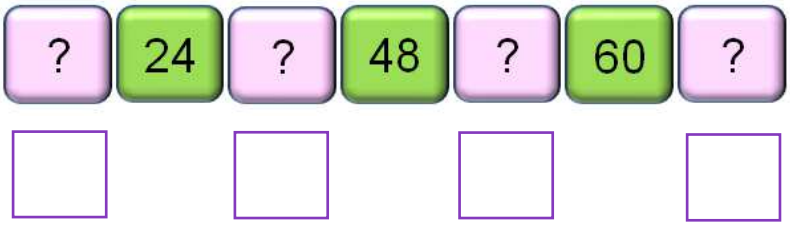
11 Complete the number pattern



1 mark

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

12 Complete the number pattern

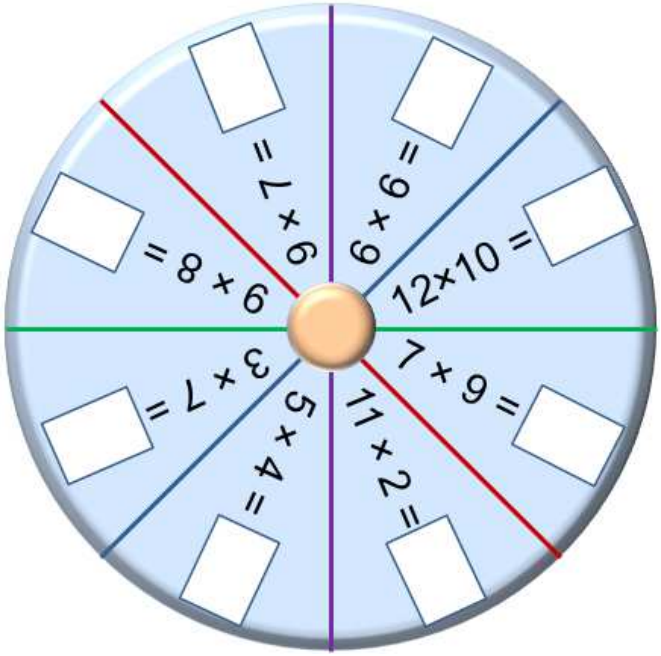


1 mark

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

13

Fill in the blanks



4 marks

4C6a: Recall and use multiplication and division facts for multiplication tables up to 12 × 12

1

What is 18 × 10 (✓)

1800 ☐ 180 ☐ 18000 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

2

What is 26 × 100 (✓)

26000 ☐ 2600 ☐ 260 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

3

What is 1 × 23 (✓)

123 ☐ 23 ☐ 231 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

4

What is 10 × 0 (✓)

100 ☐ 10 ☐ 0 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

5

I start with 23 to get 2300

What did I do (✓)

× by 10 ☐ × by 100 ☐ ÷ by 10 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

6

What is 20 ÷ 10 (✓)

200 ☐ 2 ☐ 0.22 ☐ 0.2 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

7

What is 96 ÷ 100 (✓)

0.96 ☐ 9.6 ☐ 960 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

8

What is

1 × 0 × 10 (✓)

100 ☐ 1 ☐ 0 ☐ 1100 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

9

What is

1 × 3 × 3 (✓)

9 ☐ 13.3 ☐ 7 ☐ 133 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

10

What is

$10 \times 10 \div 1$ (✓)

100 ☐ 1 ☐ 0 ☐ 10 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

11

What is

$5 \times 6 \times 10$ (✓)

5600 ☐ 560 ☐ 300 ☐ 3000 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

12

What is

$7 \times 7 \times 100$ (✓)

7700 ☐ 770 ☐ 490 ☐ 4900 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

13

What is

$1 \times 0 \times 0$ (✓)

100 ☐ 10 ☐ 0 ☐ 001 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

14

What is

$1 \times 0 \times 1$ (✓)

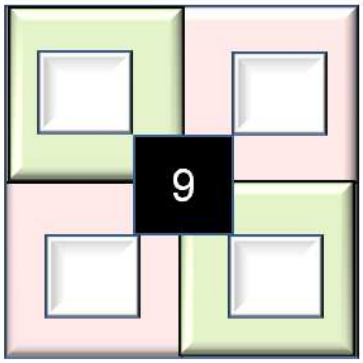
100 ☐ 10 ☐ 0 ☐ 101 ☐

1 mark

4C6b: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

1

Complete the factor pairs for 9

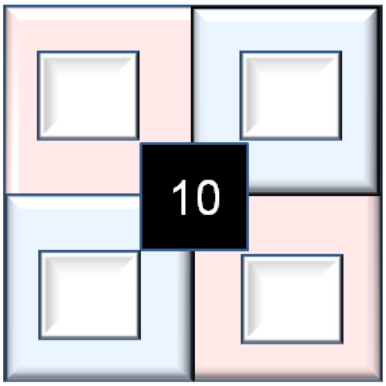


2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

2

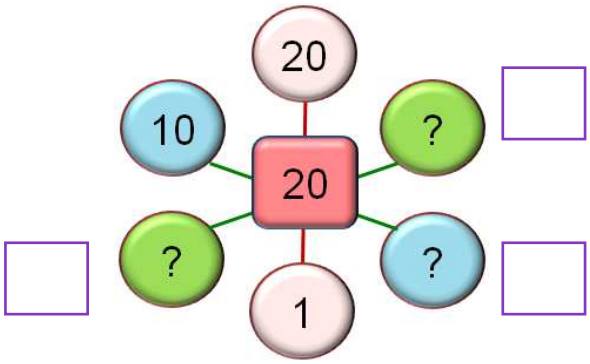
Complete the factor pairs for 10



2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

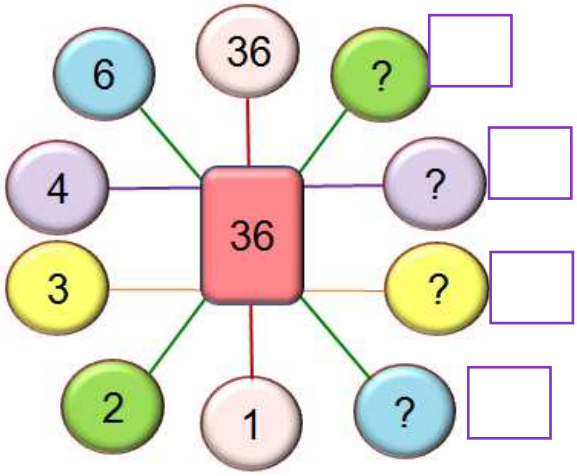
3 Complete the factor pairs for 20



2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

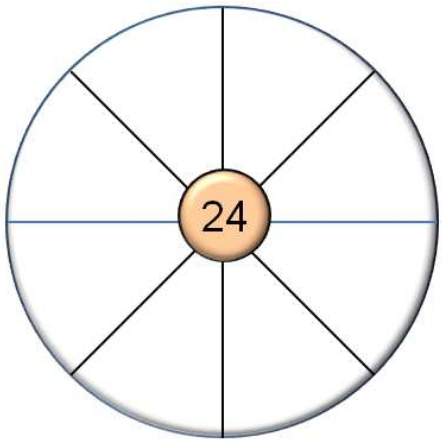
4 Complete the factor pairs for 36



2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

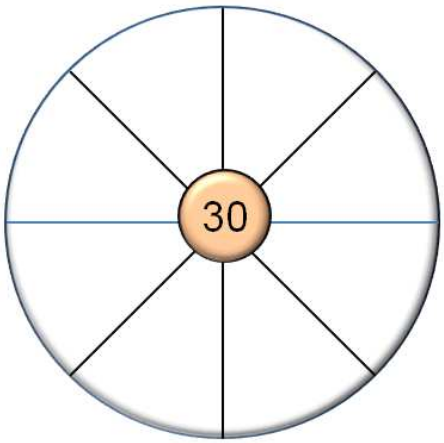
5 Complete the factor pairs for 24



2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

6 Complete the factor pairs for 30



2 mark

4C6c: Recognise and use factor pairs and commutativity in mental calculations

7

Complete these

70 ÷ ◯ = 10

70 × ◯ = 70

70 ÷ ◯ = 70

70 × ◯ = 7000

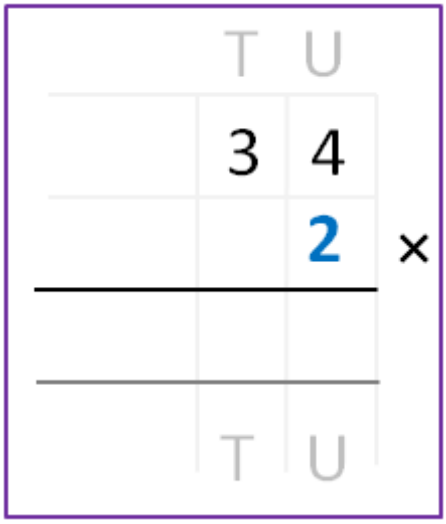
70 × ◯ = 0

5 marks

4C6b: Recognise and use factor pairs and commutativity in mental calculations

1

Work out

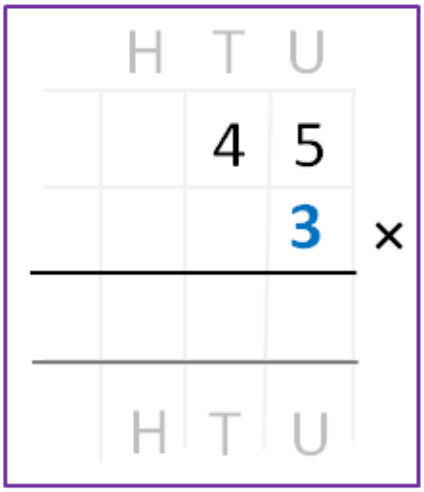


1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

2

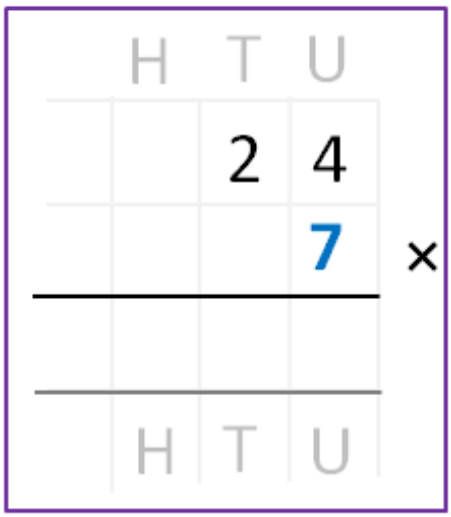
Work out



1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

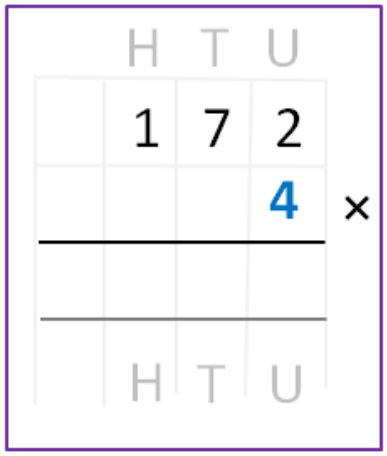
3 Work out



1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

4 Work out

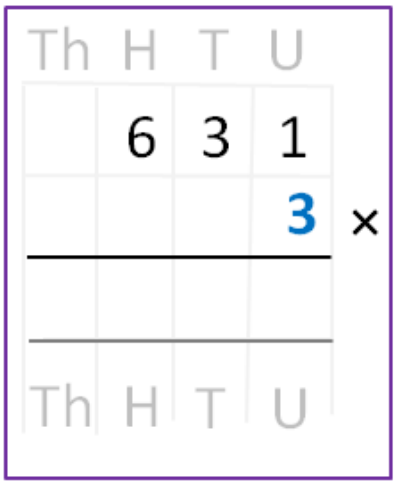


1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

5

Work out

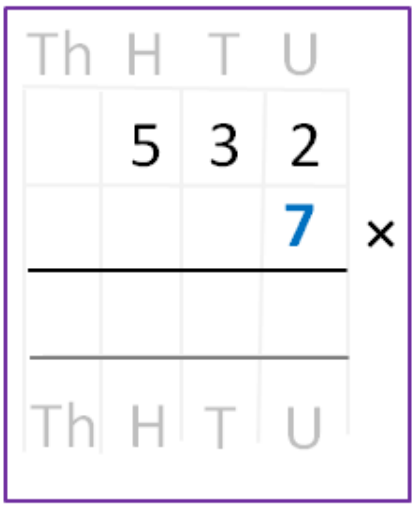


1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

6

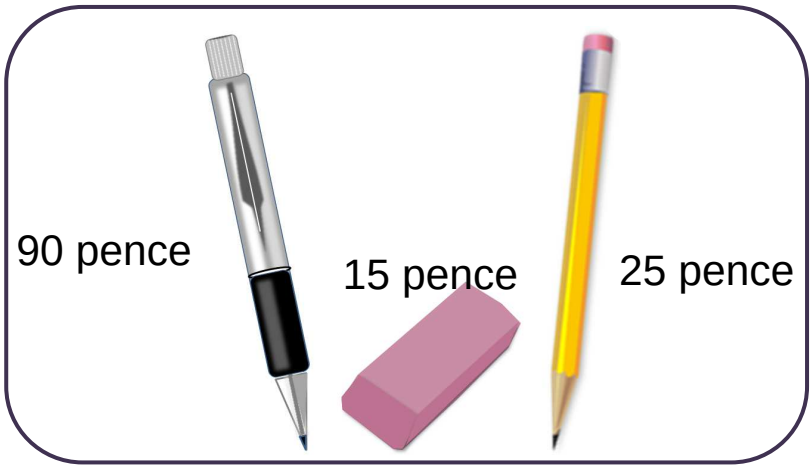
Work out



1 mark

4C7: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

1 Look at the prices for a pen, rubber and a pencil

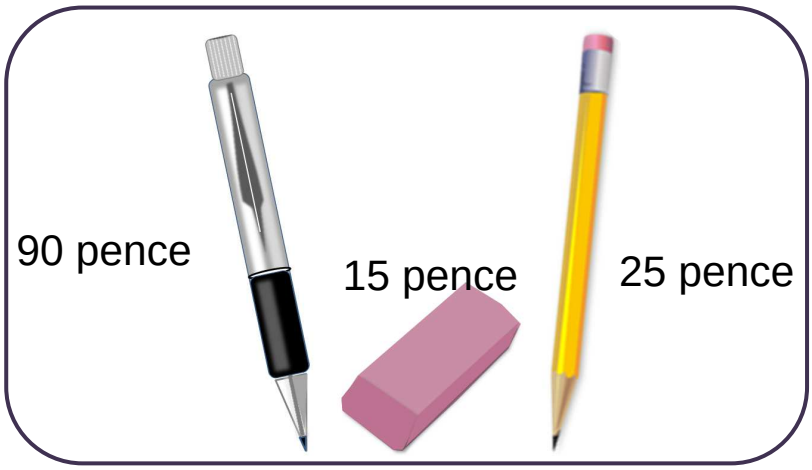


How much are three pencils and a rubber

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

2 Look at the prices for a pen, rubber and a pencil

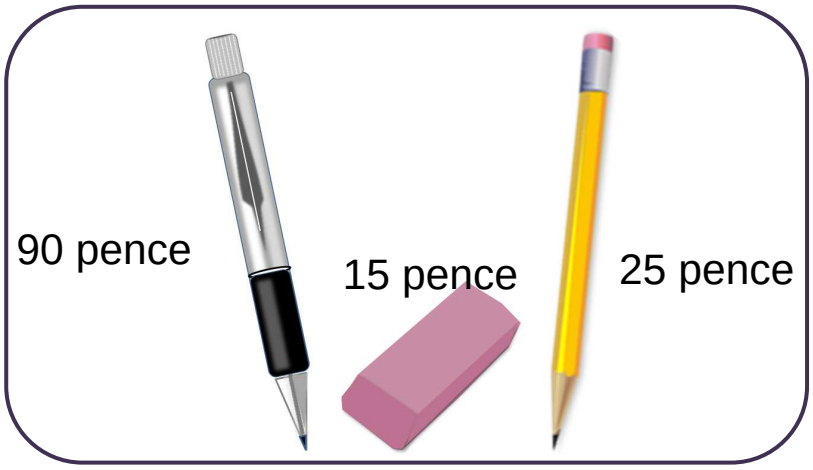


How much are two pens and one pencil

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

3 Look at the prices for a pen, rubber and a pencil

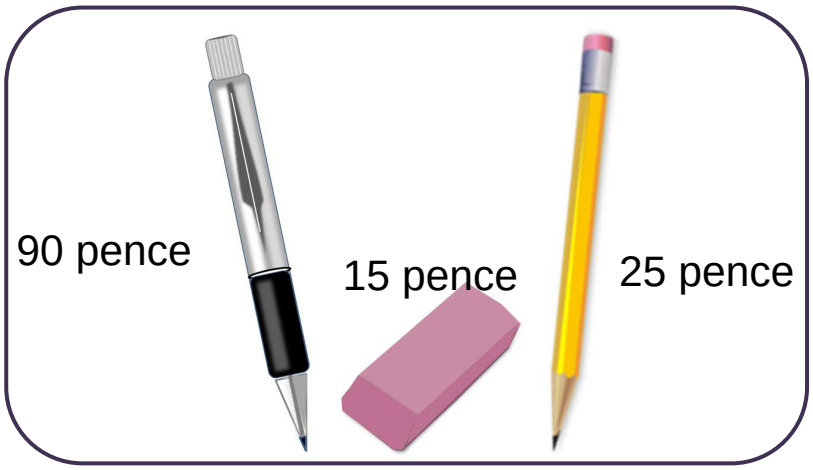


How much are two pens and two pencils

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

4 Look at the prices for a pen, rubber and a pencil

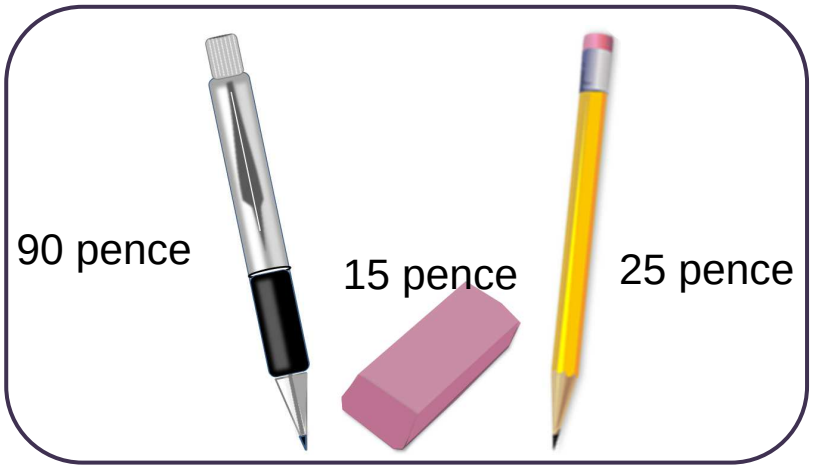


How much are two rubbers and two pens

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

5 Look at the prices for a pen, rubber and a pencil



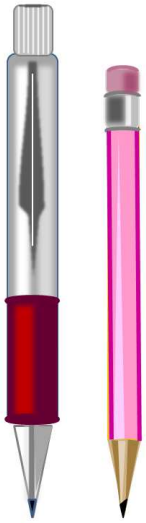
How much change will you get from £5 if you buy four pens

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

6 A pen costs 87p. A pencil costs 25p less.

Which calculation would you do to work out the cost of the pencil?



87 + 25 ☐

87 – 25 ☐

87 × 25 ☐

87 ÷ 25 ☐

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

7 Henry had 4 pens. Altogether they cost £3.48.

Which calculation would you do to work out the cost of one pen?

3.48 + 4 ☐

3.48 – 4 ☐

3.48 × 4 ☐

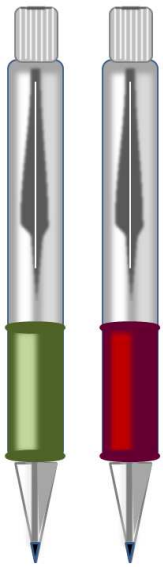
3.48 ÷ 4 ☐

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

8 A red pen costs 87p. A green pen is 12p cheaper.

Which calculation would you do to work out the cost of the green pen?



87 + 12 ☐

87 – 12 ☐

87 × 12 ☐

87 ÷ 12 ☐

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

9 Poppy had 7 green pens. Each one costs 75p.

Which calculation would you do to work out the total cost of all her pens?

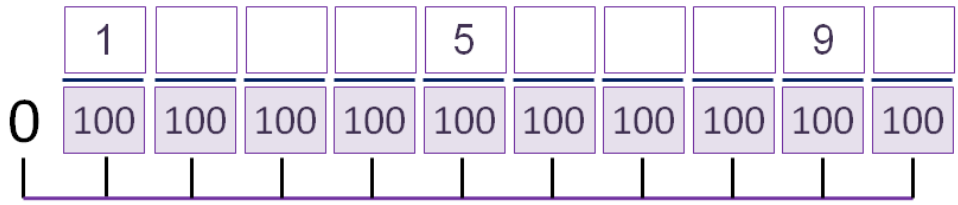
- 7 + 75 ☐
- 7 × 75 ☐
- 75 ÷ 7 ☐
- 75 – 7 ☐

1 mark

4C8: Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

1

Complete number line.

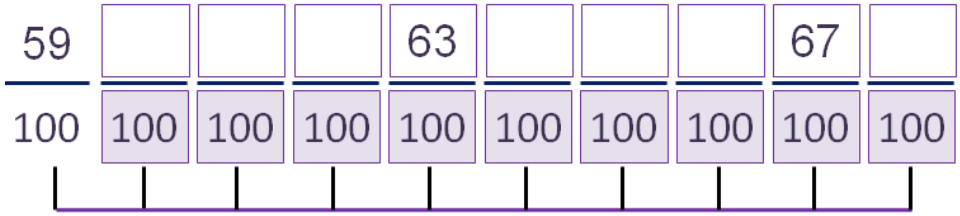


1 mark

4F1: Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten

2

Complete number line.

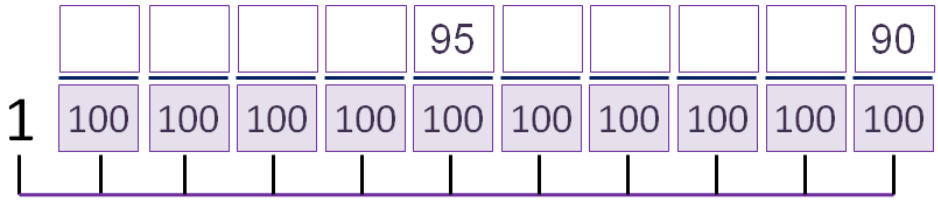


1 mark

4F1: Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten

3

Complete number line.



1 mark

4F1: Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten

4 What is:

$$26 \div 100 = \frac{\square}{\square}$$

1 mark

4F1: Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten

5 What is:

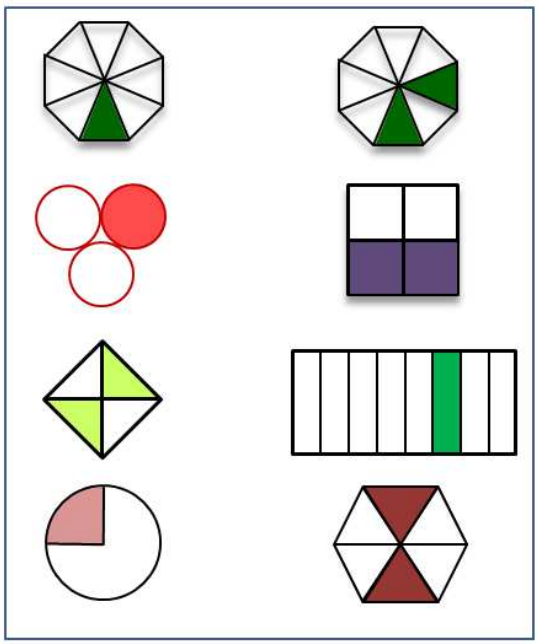
$$97 \div 100 = \frac{\square}{\square}$$

1 mark

4F1: Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten

1

Draw a line to match fractions

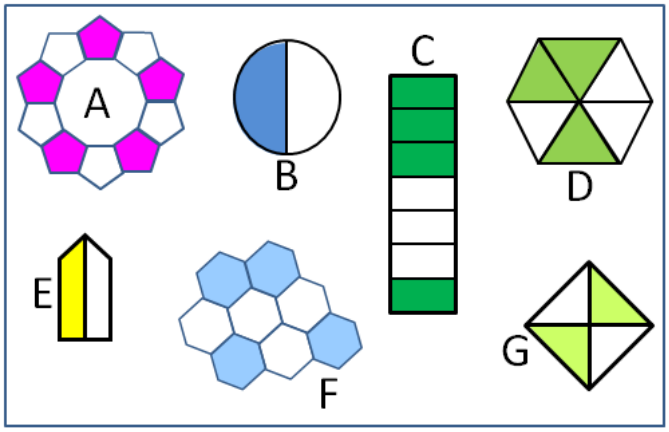


1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

2

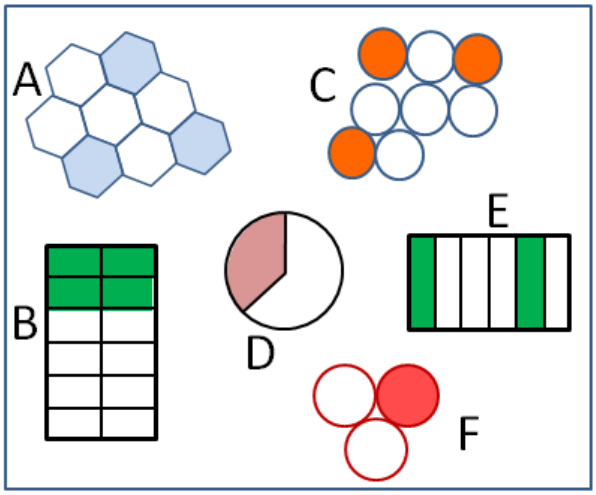
Which fraction is different



1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

3 Which fraction is different



1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

4 Match the top fraction with a line

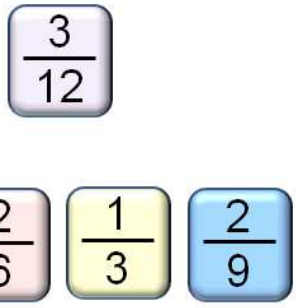
$\frac{2}{10}$

$\frac{1}{4}$ $\frac{3}{12}$ $\frac{4}{6}$ $\frac{1}{5}$

1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

5 Match the top fraction with a line



1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

6 Find an equivalent fraction

$\frac{6}{8} = \frac{\quad}{\quad}$ $\frac{6}{12} = \frac{\quad}{\quad}$

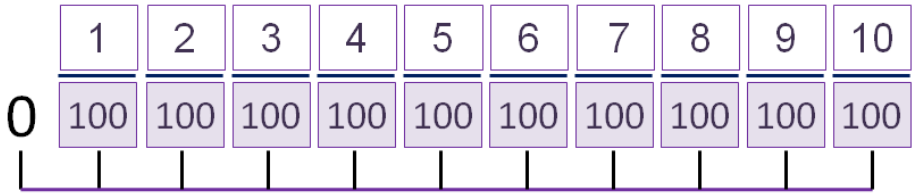
$\frac{1}{4} = \frac{\quad}{\quad}$ $\frac{2}{3} = \frac{\quad}{\quad}$

1 mark

4F2: Recognise and show, using diagrams, families of common equivalent fractions

1

Use the $\frac{1}{100}$th number line.



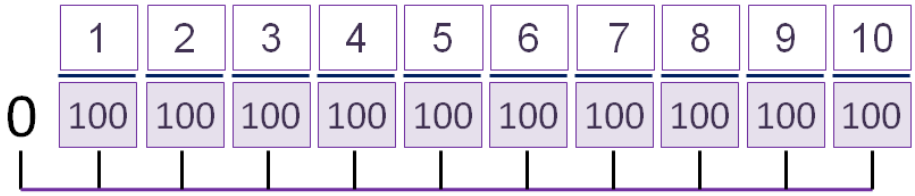
$$\frac{6}{100} - \frac{3}{100} = \square$$

1 mark

4F4: Add and subtract fractions with the same denominator

2

Use the $\frac{1}{100}$th number line.



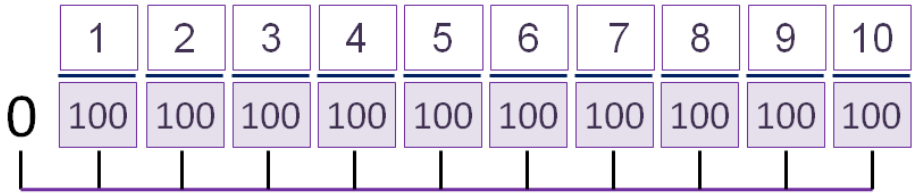
$$\frac{5}{100} + \frac{3}{100} + \frac{2}{100} = \square$$

1 mark

4F4: Add and subtract fractions with the same denominator

3

Use the $\frac{1}{100}^{th}$ number line.



$$\frac{9}{100} - \frac{3}{100} - \frac{2}{100} = \square$$

1 mark

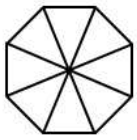
4F4: Add and subtract fractions with the same denominator

4

Add the fractions and colour the shape

$\frac{1}{5} + \frac{2}{5} = \square$ 

$\frac{1}{6} + \frac{3}{6} = \square$ 

$\frac{3}{8} + \frac{2}{8} = \square$ 

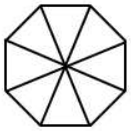
1 mark

4F4: Add and subtract fractions with the same denominator

5 Subtract the fractions and colour the shape

$\frac{4}{5} - \frac{2}{5} = \square$ 

$\frac{5}{6} - \frac{1}{6} = \square$ 

$\frac{7}{8} - \frac{3}{8} = \square$ 

1 mark

4F4: Add and subtract fractions with the same denominator

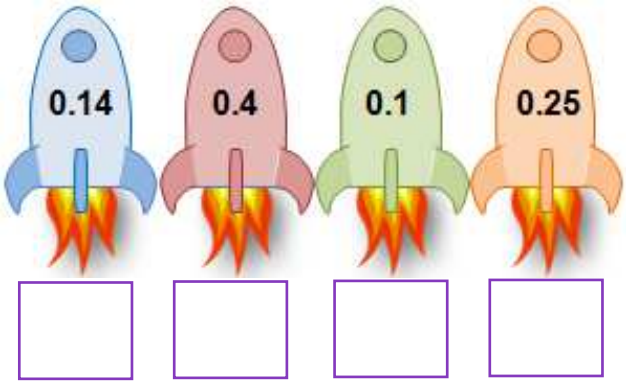
1 Match the fractions and decimal numbers.

$\frac{1}{2}$	0.1
$\frac{1}{10}$	0.25
$\frac{3}{4}$	0.5
$\frac{1}{4}$	0.75

1 mark

4F6a - Recognise and write decimal equivalents to ¼ , ½ , ¾

2 Tick (✓) the rocket closest to $\frac{1}{4}$

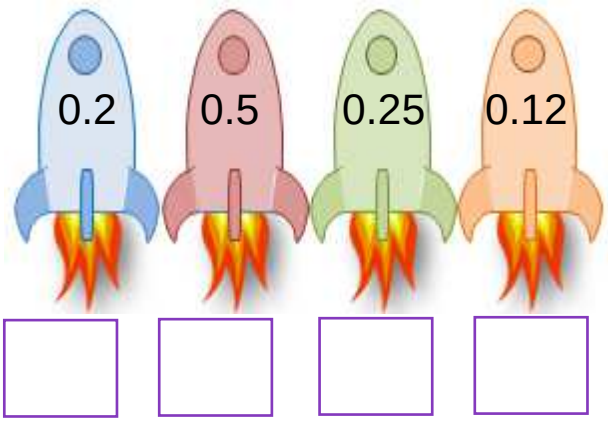


1 mark

4F6a - Recognise and write decimal equivalents to ¼ , ½ , ¾

3

Tick (✓) the rocket closest to $\frac{1}{2}$

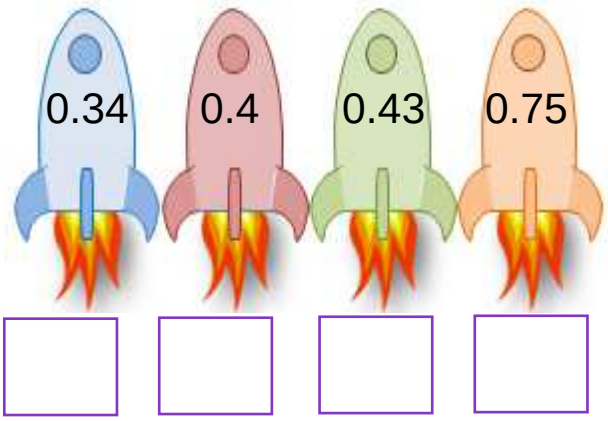


1 mark

4F6a - Recognise and write decimal equivalents to ¼ , ½ , ¾

4

Tick (✓) the rocket closest to $\frac{3}{4}$



1 mark

4F6a - Recognise and write decimal equivalents to ¼ , ½ , ¾

1 Match the fractions and decimals with a line

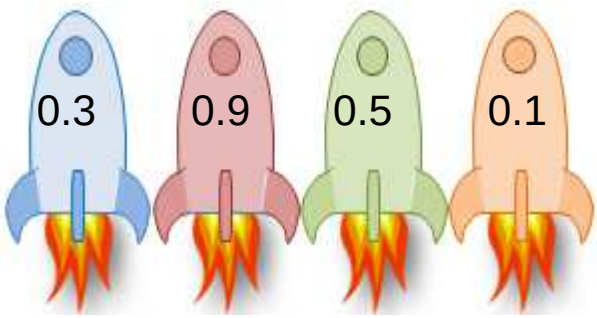
$\frac{6}{10}$ $\frac{25}{100}$ $\frac{7}{10}$ $\frac{1}{100}$ $\frac{50}{100}$

0.5 0.25 0.6 0.01 0.7

1 mark

4F6b - Recognise and write decimal equivalents of any number of tenths or hundredths

2 Write the decimals in tenths



$\frac{}{10}$ $\frac{}{10}$ $\frac{}{10}$ $\frac{}{10}$

1 mark

4F6b - Recognise and write decimal equivalents of any number of tenths or hundredths

3 Match the fractions and decimals with a line

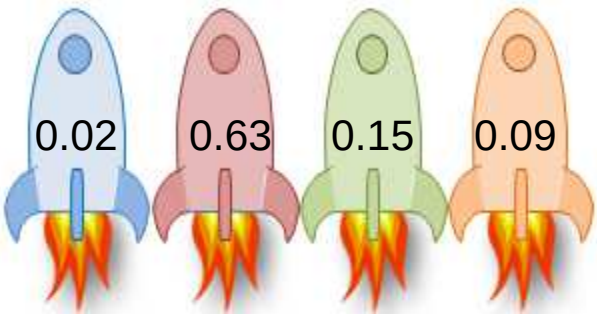
$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{10}$ $\frac{2}{10}$

0.2 0.25 0.5 0.75 0.1

1 mark

4F6b - Recognise and write decimal equivalents of any number of tenths or hundredths

4 Write the decimals in hundredths



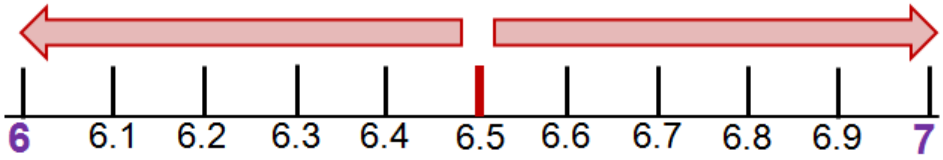
$\frac{\quad}{100}$ $\frac{\quad}{100}$ $\frac{\quad}{100}$ $\frac{\quad}{100}$

1 mark

4F6b - Recognise and write decimal equivalents of any number of tenths or hundredths

1

Round these decimals to the nearest whole number



6.2 → ☐ 6.6 → ☐ 6.9 → ☐

6.5 → ☐ 6.3 → ☐ 6.1 → ☐

2 marks

4F7: Round decimals with one decimal place to the nearest whole number.

2

Round these decimals to the nearest whole number

9.2 → ☐ 4.6 → ☐ 5.9 → ☐

6.5 → ☐ 7.4 → ☐ 8.8 → ☐

2 marks

4F7: Round decimals with one decimal place to the nearest whole number.

1 Order these decimals starting with the smallest.

2.3 2.9 2.1 2.4 2.6 2.2

1 mark

4F8: Compare numbers with the same number of decimal places up to two decimal places.

2 Order these decimals starting with the smallest.

2.32 2.31 2.39 2.42 2.36 2.29

1 mark

4F8: Compare numbers with the same number of decimal places up to two decimal places.

3 For each pair, tick (✓) the smallest decimal

☐ 5.32 5.23 ☐

☐ 6.39 6.93 ☐

☐ 3.06 3.60 ☐

☐ 0.21 2.10 ☐

4 marks

4F8: Compare numbers with the same number of decimal places up to two decimal places.

1 What is:

123 ÷ 10 = ☐ 23 ÷ 10 = ☐

12 ÷ 100 = ☐ 23 ÷ 100 = ☐

12 ÷ 10 = ☐ 23 ÷ 10 = ☐

3 marks

4F9: Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Compare numbers with the same number of decimal places up to two decimal places.

2 What is the missing number:

345 ÷ ☐ = 3.45 345 ÷ ☐ = 345

678 ÷ ☐ = 67.8 ☐ ÷ 10 = 0.678

☐ ÷ 100 = 12.3 ☐ ÷ 100 = 9.99

3 marks

4F9: Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Compare numbers with the same number of decimal places up to two decimal places.

3 Match the fractions and decimal numbers.

$\frac{21}{10}$	0.12
$\frac{2}{10}$	2.1
$\frac{12}{100}$	0.2
$\frac{2}{100}$	0.02

2 marks

4F9: Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Compare numbers with the same number of decimal places up to two decimal places.

4 Match the fractions and decimal numbers.

$\frac{3.4}{10}$	0.034
$\frac{34}{10}$	3.4
$\frac{34}{100}$	0.34
$\frac{3.4}{100}$	0.34

2 mark

4F9: Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Compare numbers with the same number of decimal places up to two decimal places.

1 What is

$\frac{2}{3}$ of 6 = ☐ $\frac{1}{5}$ of 20 = ☐

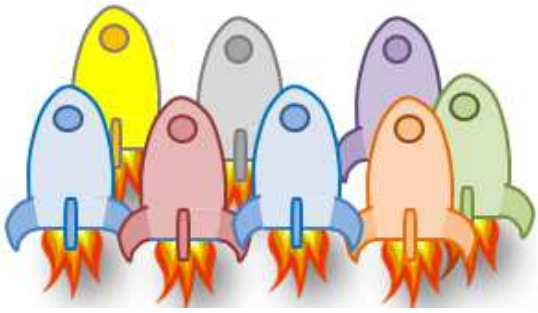
$\frac{3}{4}$ of 12 = ☐ $\frac{1}{8}$ of 24 = ☐

$\frac{3}{8}$ of 32 = ☐ $\frac{2}{7}$ of 21 = ☐

3 mark

4F10a: Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number

2 $\frac{3}{4}$ of the space fleet made it to the moon



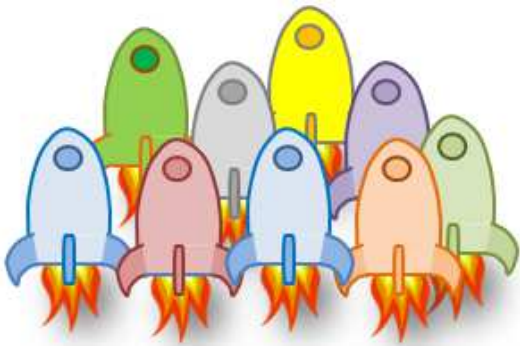
How many is that? ☐

1 mark

4F10a: Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number

3

$\frac{2}{3}$ of the space fleet made it to the moon



How many is that? ☐

1 mark

4F10a: Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number

4

$\frac{4}{9}$ of the space fleet made it to the moon

How many is that? ☐

1 mark

4F10a: Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number

1 Order these weights starting with the smallest.

12.5g 12g 1.2kg 21.5g 0.5kg

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

2 Order these weights starting with the smallest.

23.2g 2.3kg 0.23kg 21.9g 231g

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

3 Order these amounts starting with the smallest.

$\frac{1}{2}$ kg 0.3 kg $\frac{1}{4}$ kg 0.2kg $\frac{1}{5}$ kg

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

4

Order these amounts starting with the smallest.

£ $\frac{1}{2}$ £0.30 £ $\frac{1}{4}$ £0.40 £ $\frac{1}{10}$

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

5

Order these amounts starting with the smallest.

£4.56 560p £0.99 56p 650p

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

6

Order these lengths starting with the smallest.

123cm 1.3m 0.31m 24cm 10m

1 mark

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

7

London to Toddington
40 miles

$\frac{1}{4}$ of the distance = ☐ miles

$\frac{1}{5}$ of the distance = ☐ miles

$\frac{3}{4}$ of the distance = ☐ miles

3 marks

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

8

London to Toddington
40 miles

$\frac{1}{4}$ of the distance = ☐ miles

$\frac{1}{5}$ of the distance = ☐ miles

$\frac{3}{4}$ of the distance = ☐ miles

3 marks

4F10b: Solve simple measure and money problems involving fractions and decimals to two decimal places

1

200 cm = ☐ metres

10 mm = ☐ centimetres

100 mm = ☐ centimetres

200 cm = ☐ metres

5 metres = ☐ milimetres

5 marks

4M1: Compare different measures, including money in pounds and pence

2

Match the money from pence to pounds (£).

120 p	£1.20
12 p	£0.05
50 p	£0.50
500 p	£5.00
5 p	£0.12

5 marks

4M1: Compare different measures, including money in pounds and pence

3 Match the money from pounds(£) to pence.

£45	45p
£0.45	450p
£4.5	45000p
£450	4500p

4 marks

4M1: Compare different measures, including money in pounds and pence

4 Match the weight from grams to kilograms.

120 g	0.012kg
12 g	1.2kg
1200 g	0.12kg
12000g	12kg

4 marks

4M1: Compare different measures, including money in pounds and pence

5 Match the weight from kilograms to grams

45kg	4500g
4.5 kg	450g
0.45kg	45000g
450kg	45g

4 marks

4M1: Compare different measures, including money in pounds and pence

6

200 g = ____ kg

20g = ____ kg

100 ml = ____ litre

2000 ml = ____ litre

4 marks

4M1: Compare different measures, including money in pounds and pence

6 Write the pence (p) as fractions of a pound (£)

100 p = ☐ £

50p = ☐ £

10p = ☐ £

75p = ☐ £

4 marks

4M1: Compare different measures, including money in pounds and pence

1

Estimate the closest weight (✓)

	10g	100g	1kg
	☐	☐	☐
	☐	☐	☐

1 mark

4M2: Estimate different measures, including money in pounds and pence

2

Estimate the closest volume (✓)

	10ml	50ml	1000ml
	☐	☐	☐
	☐	☐	☐

1 mark

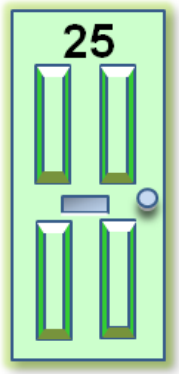
4M2: Estimate different measures, including money in pounds and pence

3 Estimate the price of a bottle of lemonade (✓)

5p ☐ 50p ☐ 500p ☐

1 mark

4M2: Estimate different measures, including money in pounds and pence

4 

Estimate the height of a door in metres

☐ 1 mark

4M2: Estimate different measures, including money in pounds and pence

5 Estimate the price of :

[ ] p bag of chips

a car £ [ ]

2 marks

4M2: Estimate different measures, including money in pounds and pence

6 Estimate how much Henry weighs (✓)

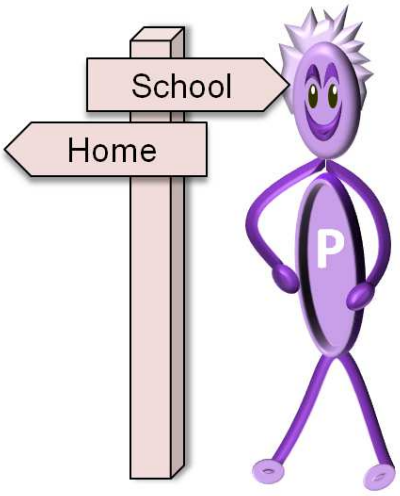
4g [ ] 4kg [ ] 40kg [ ] 40g [ ]

1 mark

4M2: Estimate different measures, including money in pounds and pence

7

It took Poppy 20 minutes to walk to school.



Estimate how far she walked.

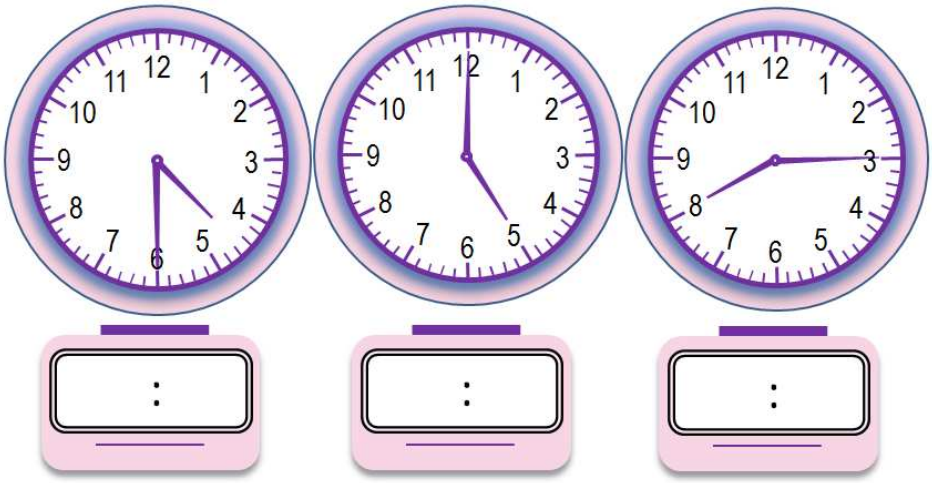
km

1 mark

4M2: Estimate different measures, including money in pounds and pence

1

Write the time on the digital clocks.

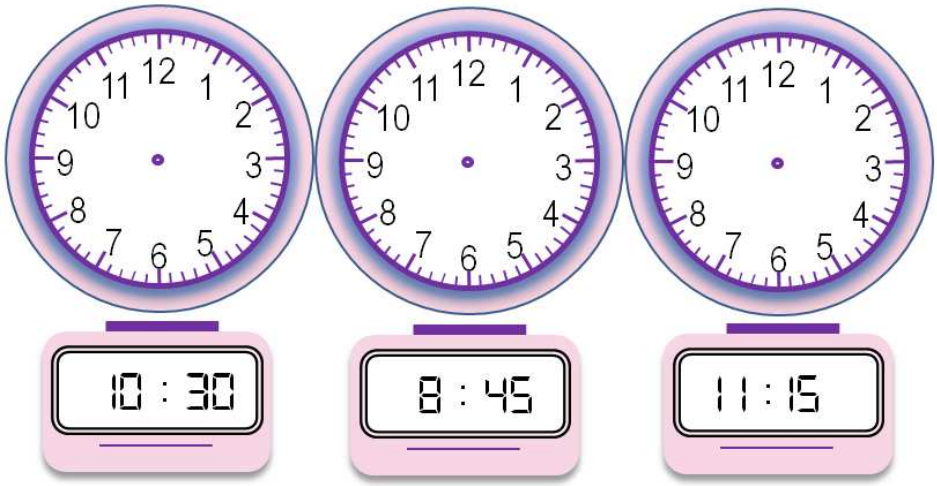


3 marks

4M4a: Read, write and convert time between analogue and digital 12-hour clocks

2

Draw the hands on the clock face

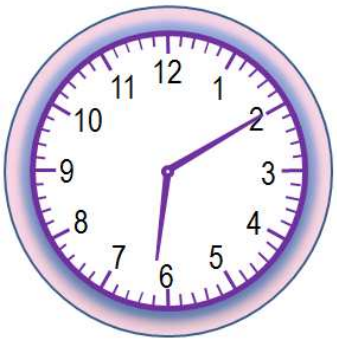


3 marks

4M4a: Read, write and convert time between analogue and digital 12-hour clocks

3

What time is it ?



:

1 mark

4M4a: Read, write and convert time between analogue and digital 12-hour clocks

4

What time is it ?

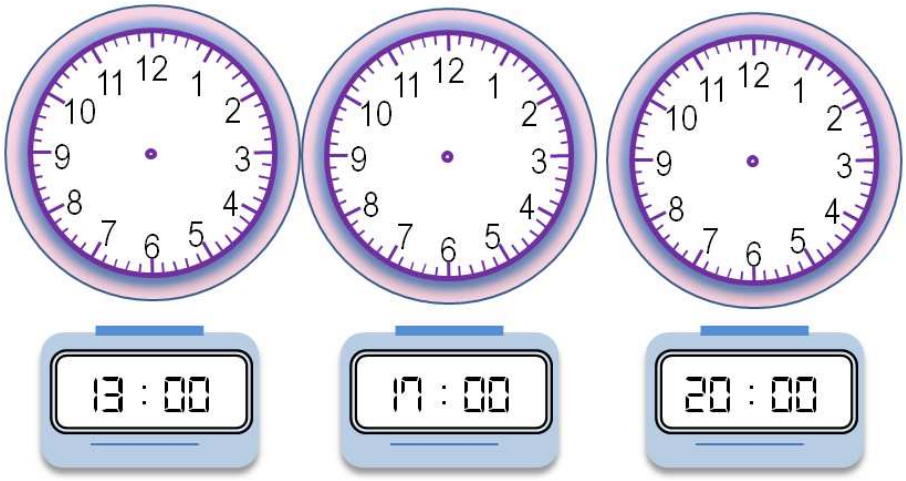
:

1 mark

4M4a: Read, write and convert time between analogue and digital 12-hour clocks

1

Draw the hands on the clock face



3 marks

4M4b: Read, write and convert time between analogue and digital 24-hour clocks

2

What time is it in the afternoon (✓).

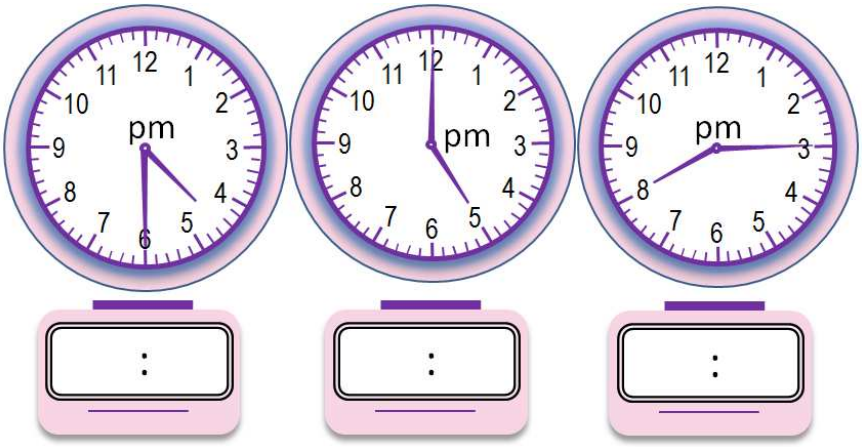
15:05	14:55	13:11	11:15
☐	☐	☐	☐

1 mark

4 M4b: Read, write and convert time between analogue and digital 24-hour clocks

3

These clocks show time in the afternoon.
Write the time on the 24 hour digital clocks

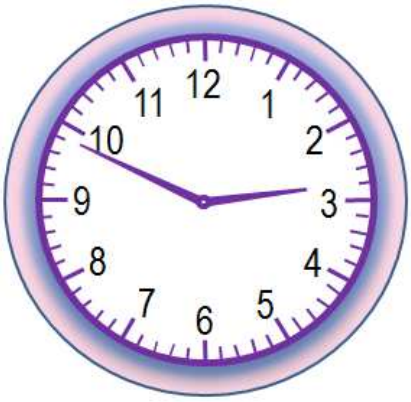


1 mark

4M4b: Read, write and convert time between analogue and digital 24-hour clocks

4

What time is it in the afternoon?

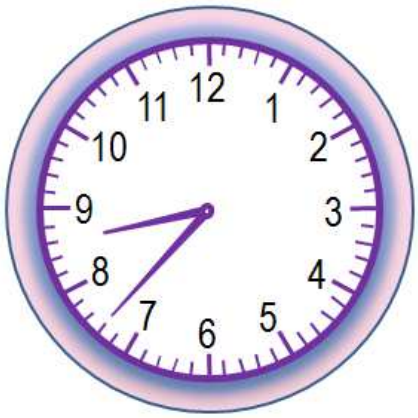


__ : __

1 mark

4M4b: Read, write and convert time between analogue and digital 24-hour clocks

5 What time is it in the evening?

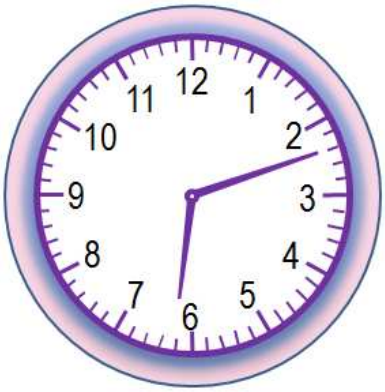


__ : __

1 mark

4M4b: Read, write and convert time between analogue and digital 24-hour clocks

6 What time is it in the evening?



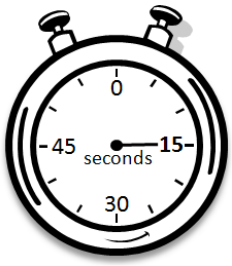
__ : __

1 mark

4M4b: Read, write and convert time between analogue and digital 24-hour clocks

1

How many seconds are in 1 minute(✓)



10 ☐ 60 ☐ 100 ☐ 50 ☐

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

2

How many hours are in two days?

☐

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

3

How many seconds are in 10 minutes?

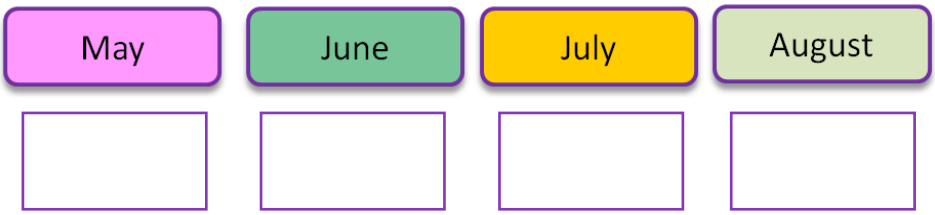
☐

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

4

How many days are in these months.



1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

5

How many minutes are in 5 hours?

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

6

How many months are in 10 years?

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

7

How many days are in 5 weeks?

1 mark

4M4c: Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

1

2 km = ☐ metres

10km = ☐ metres

0.5km = ☐ metres

$\frac{1}{10}$ km = ☐ metres

4 marks

4M5: Convert between different units of measurement [eg: kilometre to metre; hour to minute]

2

10 hours = ☐ minutes

1.5 hours = ☐ minutes

0.5 hour = ☐ minutes

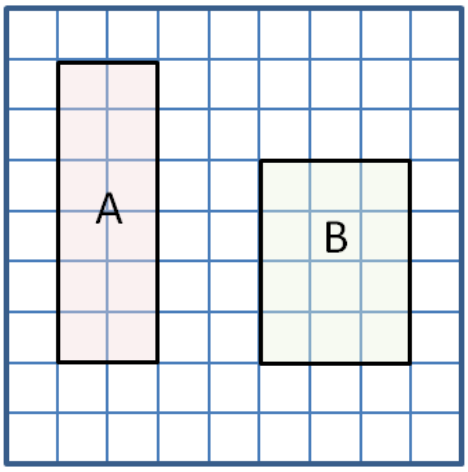
$\frac{1}{10}$ hour = ☐ minutes

4 marks

4M5: Convert between different units of measurement [eg: kilometre to metre; hour to minute]

1

Poppy said the perimeter of shape A was bigger than shape B. Was she correct?.



Perimeter of A= cm

Perimeter of B= cm

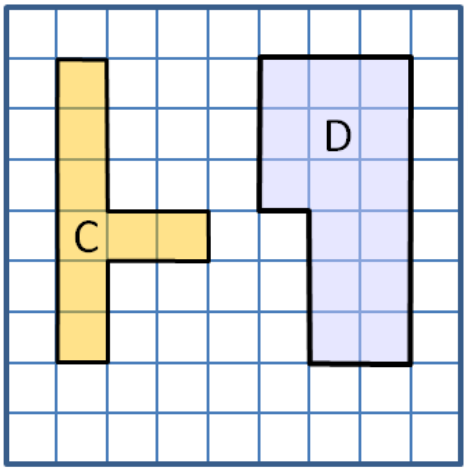
Is Poppy correct (Y/N)

1 mark

4M7a: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

2

Henry said the perimeter of shape D was twice as big as shape C. Was he correct?.



Perimeter of C= cm

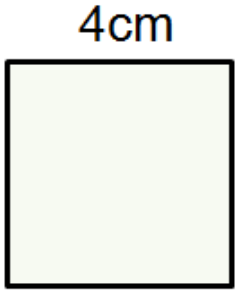
Perimeter of D= cm

Is Henry correct (Y/N)

1 mark

4M7a: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

3 Work out the perimeter of this square

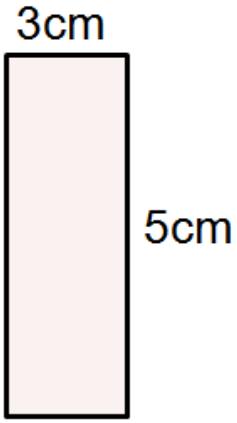


cm

1 mark

4M7a: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

4 Work out the perimeter of this rectangle

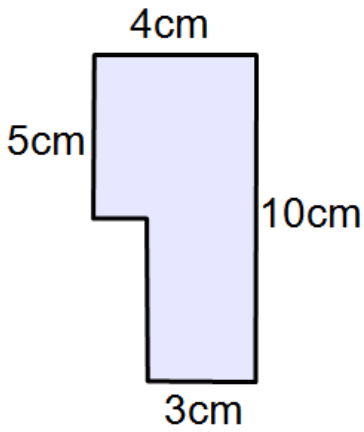


cm

1 mark

4M7a: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

5 Work out the perimeter of this shape

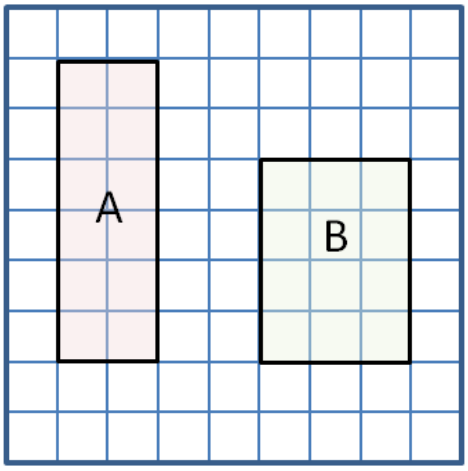


cm

1 mark

4M7a: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

1 Poppy said the area of shape A was bigger than shape B. Was she correct?.



Area of A= ... cm^2

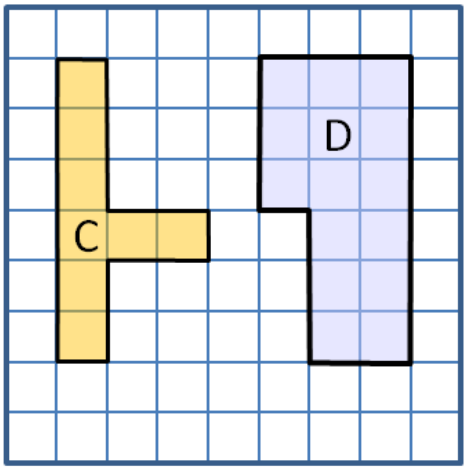
Area of B= ... cm^2

Is Poppy correct (Y/N)

1 mark

4M7b: Find the area of rectilinear shapes by counting squares

2 Henry said the area of shape D was twice as big as shape C. Was he correct?.



Area of C= ..... cm^2

Area of D= ... cm^2

Is Henry correct (Y/N)

1 mark

4M7b: Find the area of rectilinear shapes by counting squares

1 Poppy and Henry had an ice-cream for 20p each

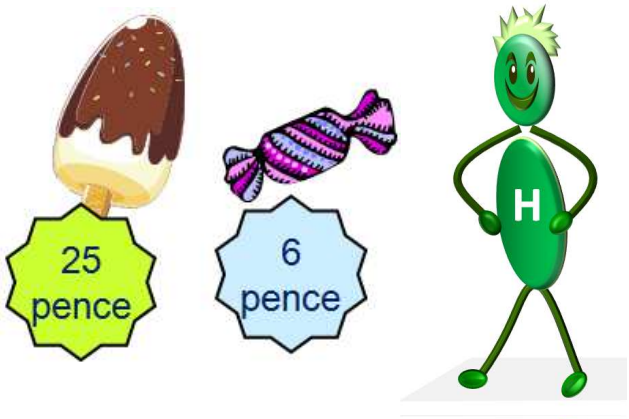
They paid £1
How much **change** will they get?

_____ p

1 mark

4M9: Calculate different measures, including money in pounds and pence

2 Henry paid with £2 for a lolly and a sweet.



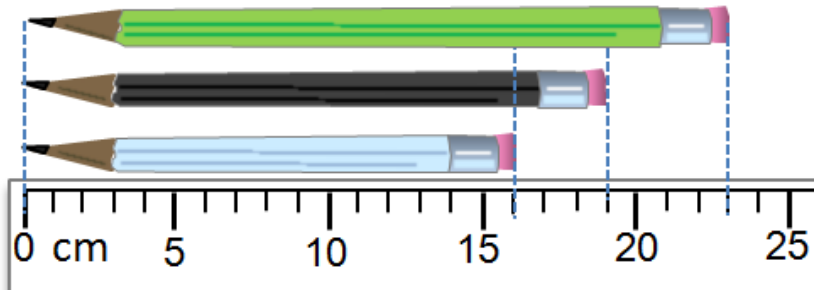
How much **change** will he get

_____ p

1 mark

4M9: Calculate different measures, including money in pounds and pence

3 Look at the pencils



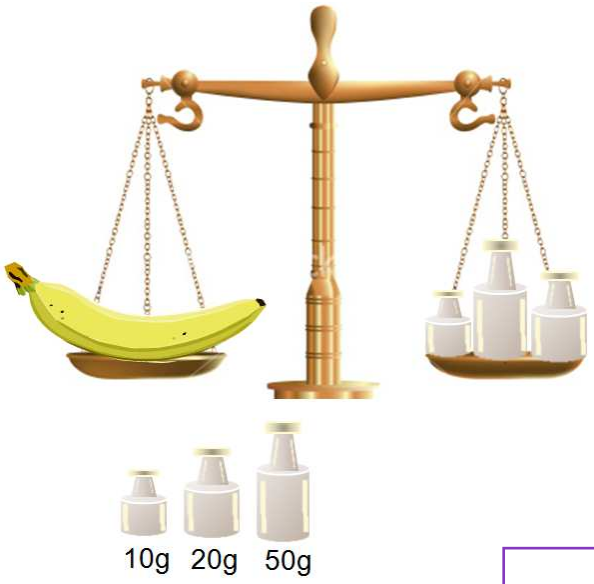
Add up all the lengths

cm

1 mark

4M9: Calculate different measures, including money in pounds and pence

4 How much would **2** bananas weigh?

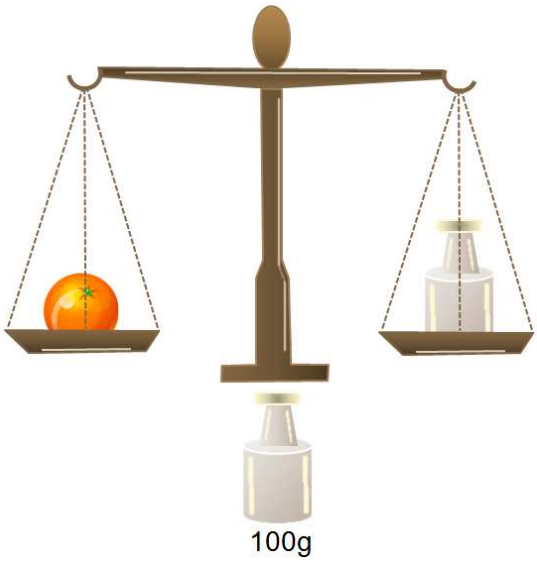


g

1 mark

4M9: Calculate different measures, including money in pounds and pence

5 One Orange weighs 100grams



How much do **20** oranges weigh?

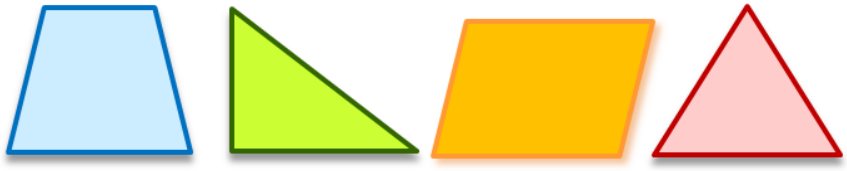
kg

1 mark

4M9: Calculate different measures, including money in pounds and pence

1

Sort these shapes by drawing in the correct box



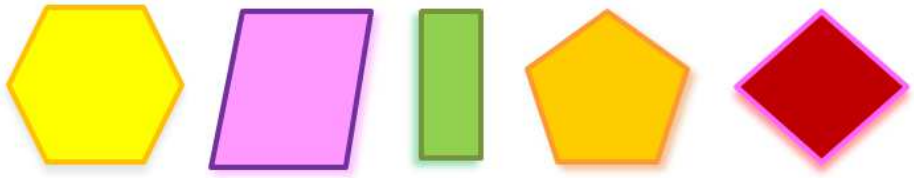
3 sides	more than 3 sides

2 marks

4G2a Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes

2

Sort these shapes by drawing in the correct box



4 sides	more than 4 sides

2marks

4G2a Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes

3

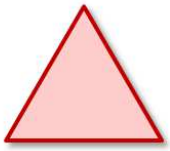
Draw a line to match each triangle with its label

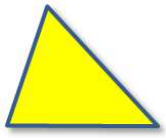
Right angled

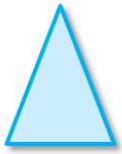
Isosceles

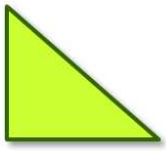
Equilateral

Scalene





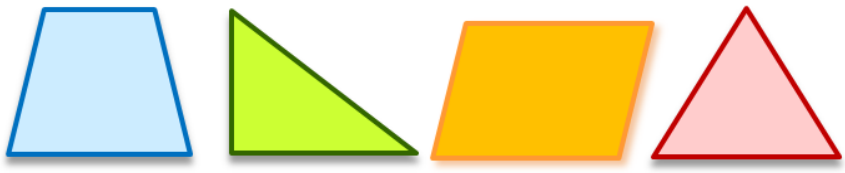




2 marks

4G2a Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes

4 Where do these shapes go in the Carroll diagram



	no sides equal	2 sides equal	all sides equal
3 sides			
more than 3 sides			

2 marks

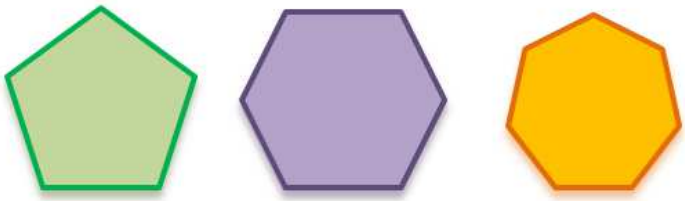
4G2a Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes

1 How many lines of symmetry does each shape have

1 mark

4G2b - Identify lines of symmetry in 2–D shapes presented in different orientations

2 How many lines of symmetry does each shape have



1 mark

4G2b - Identify lines of symmetry in 2–D shapes presented in different orientations

3

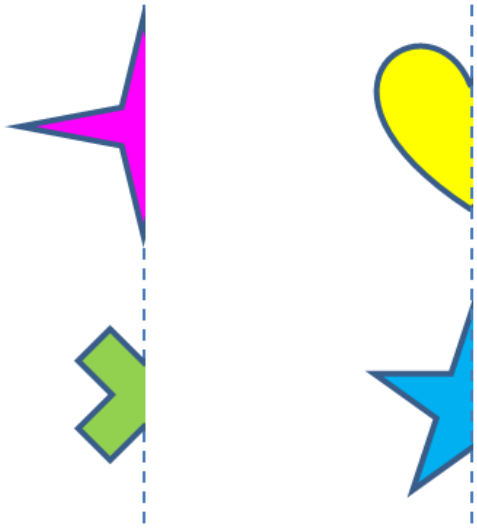
Symmetrically how are these shapes the same?

1 mark

4G2b - Identify lines of symmetry in 2–D shapes presented in different orientations

1

Complete these shapes to make them symmetrical

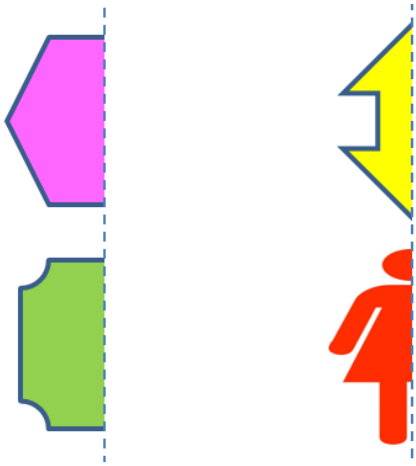


1 mark

4G2c - Complete a simple symmetric figure with respect to a specific line of symmetry

2

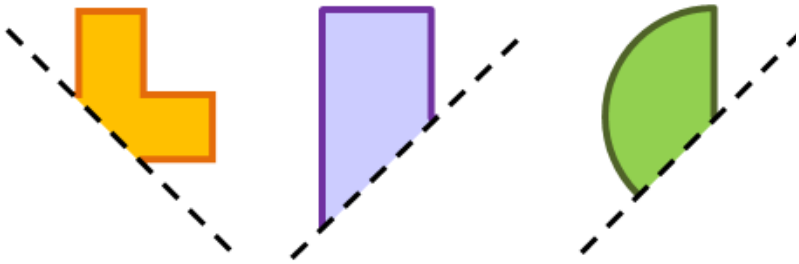
Complete these shapes to make them symmetrical



1 mark

4G2c - Complete a simple symmetric figure with respect to a specific line of symmetry

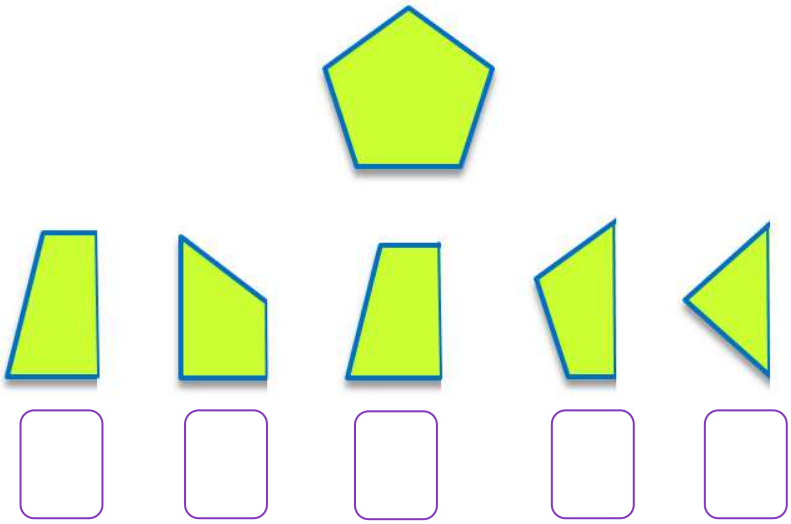
3 Complete these shapes to make them symmetrical



1 mark

4G2c - Complete a simple symmetric figure with respect to a specific line of symmetry

4 Which piece (✓) make this shape symmetrical

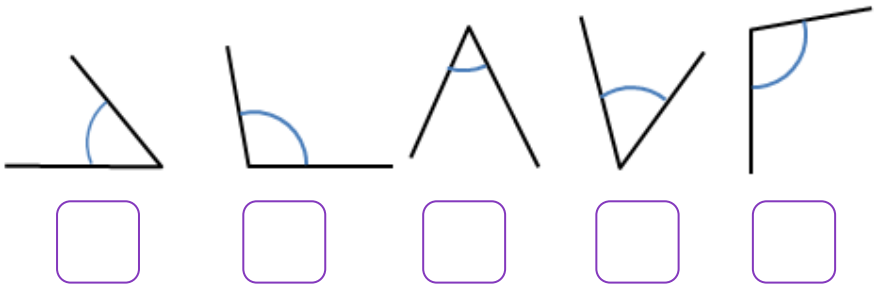


1 mark

4G2c - Complete a simple symmetric figure with respect to a specific line of symmetry

1

Mark each angle as acute (A) or Obtuse (O)

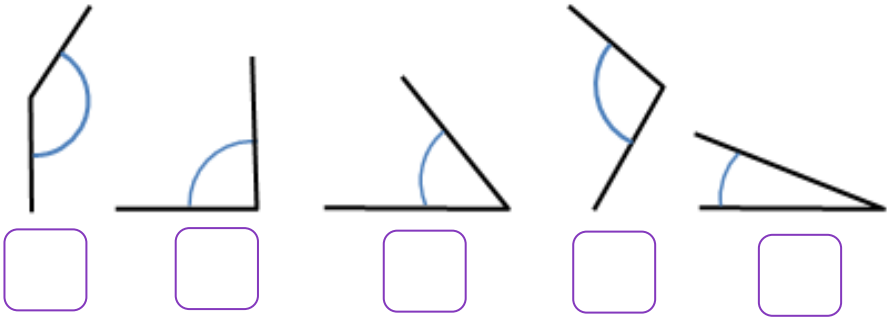


1 mark

4G4 - Identify acute and obtuse angles and compare and order angles up to two right angles by size

2

Order these angles by size with 1 the smallest



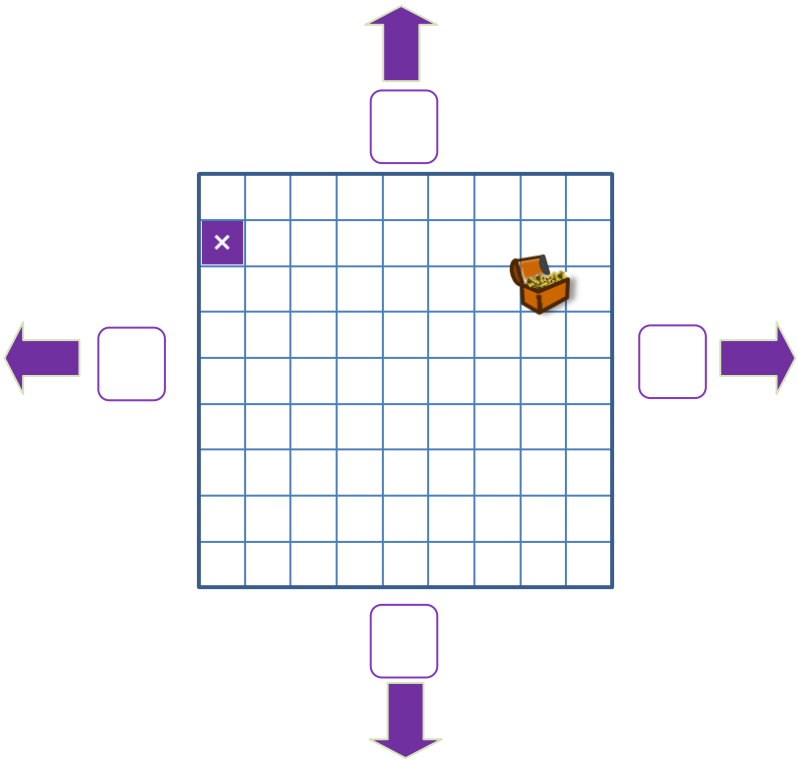
1 mark

4G4 - Identify acute and obtuse angles and compare and order angles up to two right angles by size

1

Poppy is standing at ×

How many squares does she move to the treasure



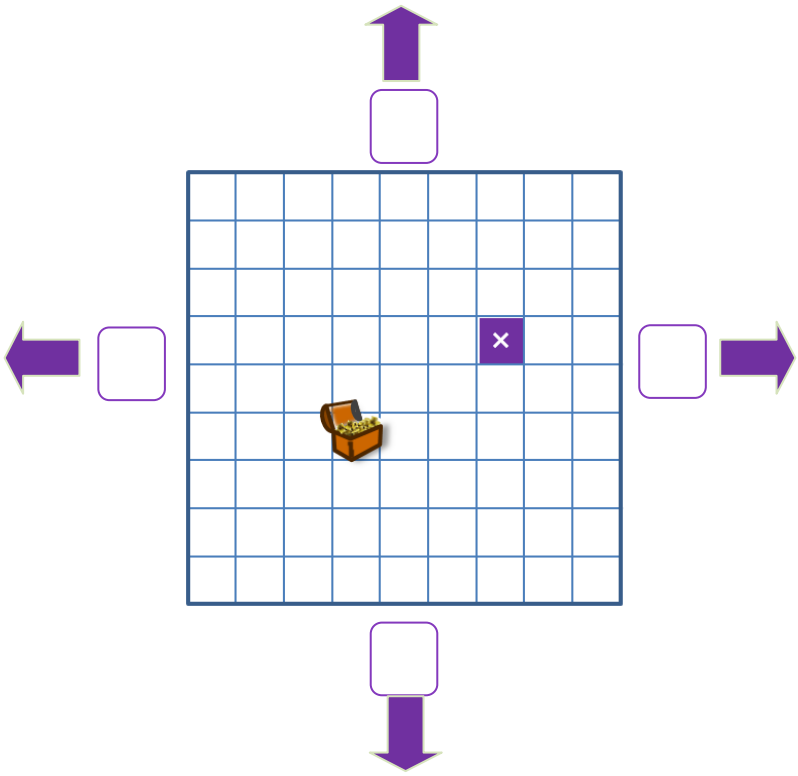
1 mark

4P2 - Describe movements between positions as translations of a given unit to the left/right and up/down

2

Poppy is standing at ×

How many squares does she move to the treasure



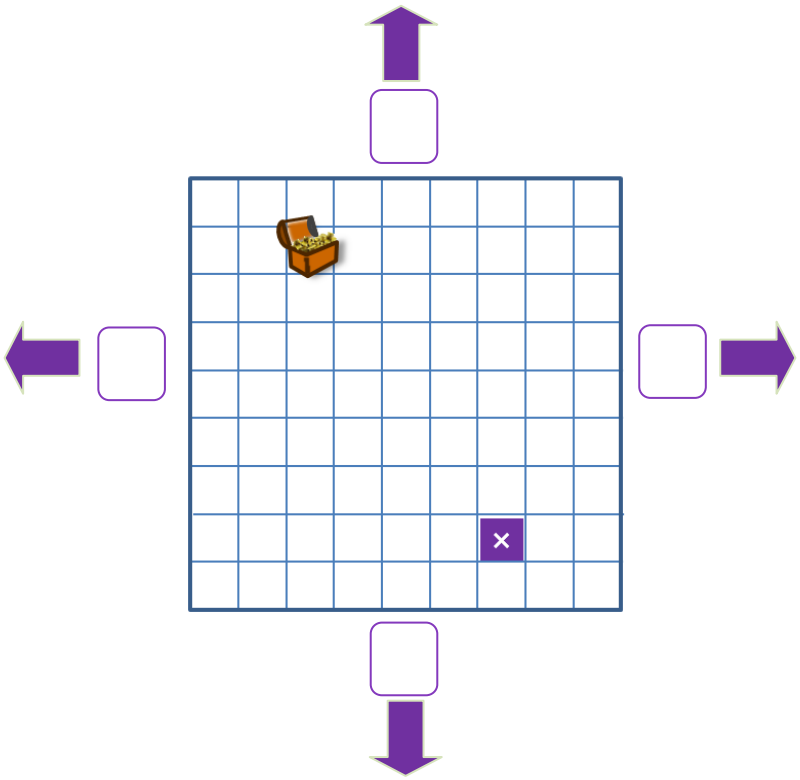
1 mark

4P2 - Describe movements between positions as translations of a given unit to the left/right and up/down

3

Poppy is standing at ×

How many squares does she move to the treasure



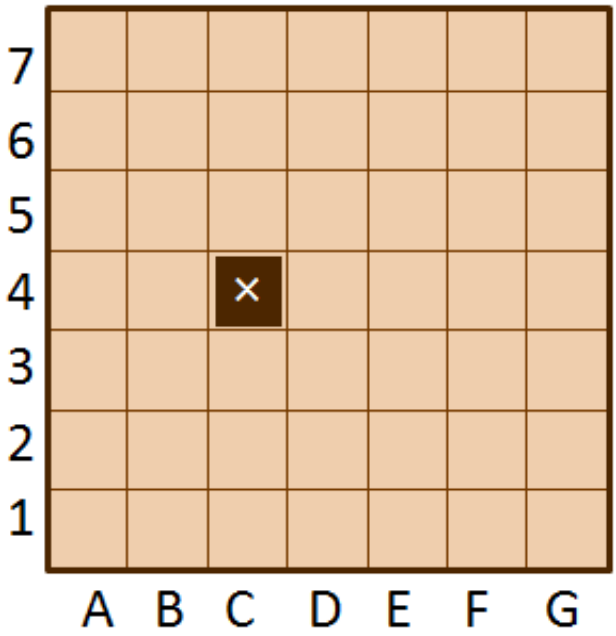
1 mark

4P2 - Describe movements between positions as translations of a given unit to the left/right and up/down

4

Poppy is standing at ×

The treasure is at different positions.
Match the move Poppy takes for each treasure

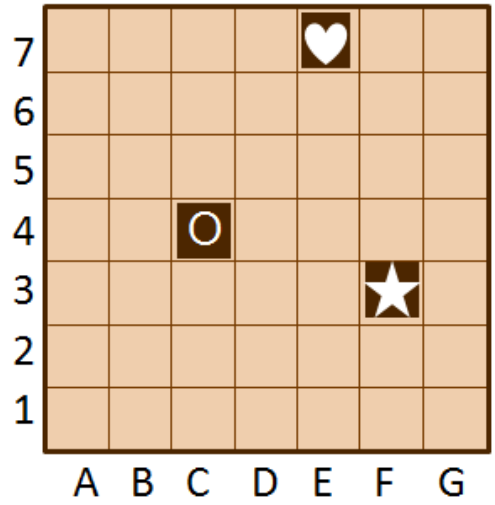


	Move
F6	2E,2S
A1	4E
G4	2W,3S
E2	3E,2N

1 mark

4P2 - Describe movements between positions as translations of a given unit to the left/right and up/down

1 What are the co-ordinates of the circle, heart and star

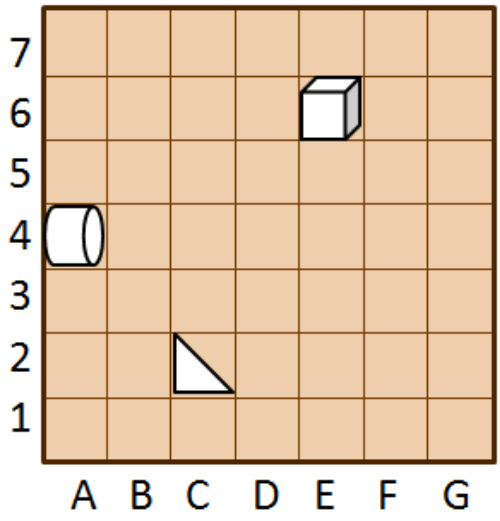


Star ☐ Circle ☐ Star ☐

1 mark

4P3a - Describe positions on a 2–D grid as co-ordinates in the first quadrant

2 What are the co-ordinates of the shapes

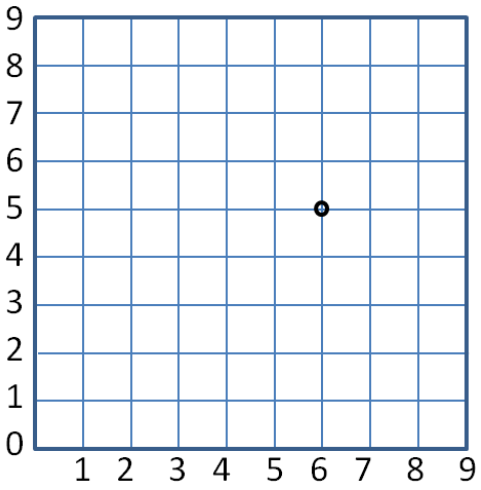


Cube ☐ Cylinder ☐ Triangle ☐

3 marks

4P3a - Describe positions on a 2–D grid as co-ordinates in the first quadrant

3 Poppy is standing at

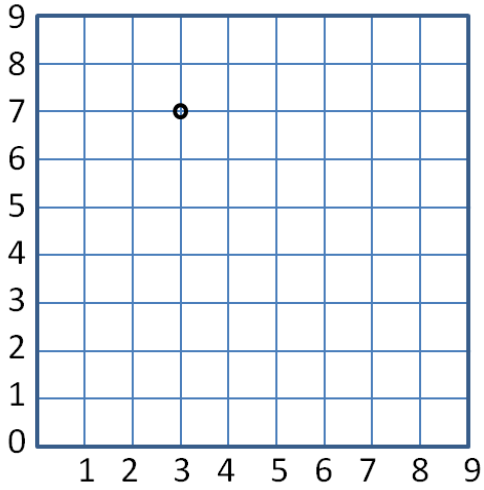


What are her co-ordinates (,)

1 mark

4P3a - Describe positions on a 2–D grid as co-ordinates in the first quadrant

4 Poppy is standing at



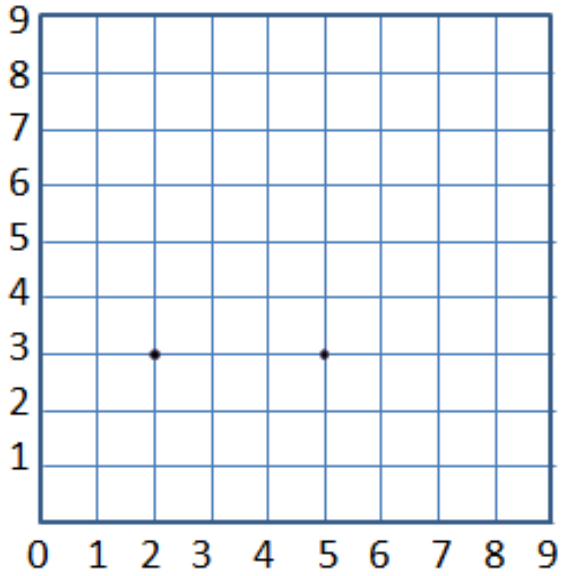
What are her co-ordinates (,)

1 mark

4P3a - Describe positions on a 2–D grid as co-ordinates in the first quadrant

1

Which co-ordinate should I plot to make a right angled triangle?



(3 , 6) ☐

(2 , 6) ☐

(6 , 2) ☐

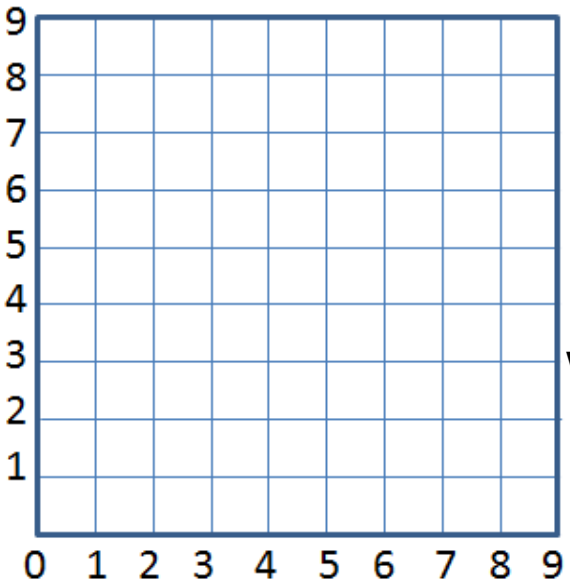
(4 , 6) ☐

1 mark

4P3b: Plot specified points and draw sides to complete a given polygon

2

Use these co-ordinates to make the shape



Plot
(2 , 2)
(6 , 7)
(6 , 2)

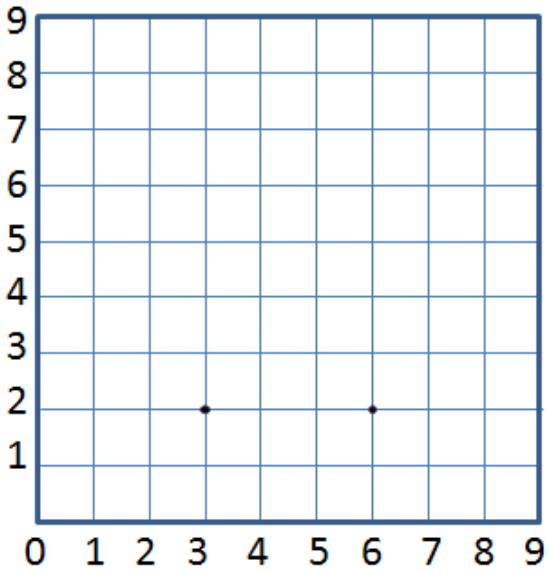
What is the shape

☐

2 marks

4P3b: Plot specified points and draw sides to complete a given polygon

3 Which co-ordinates should I plot to make a square?



(5 , 3) ☐

(6 , 3) ☐

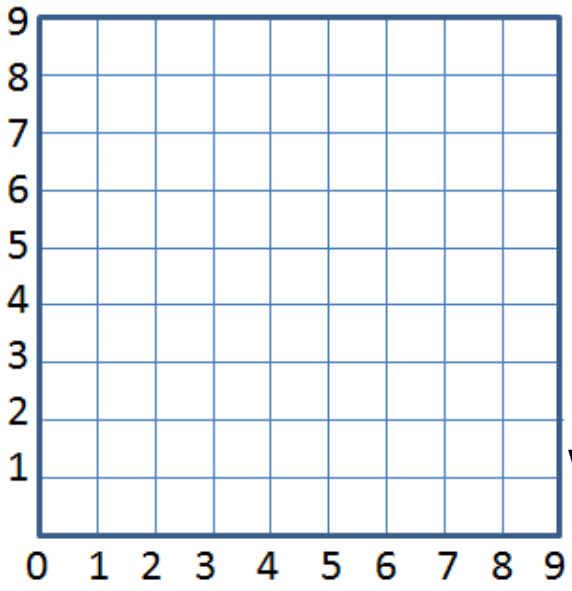
(3 , 6) ☐

(3 , 5) ☐

1 mark

4P3b: Plot specified points and draw sides to complete a given polygon

4 Use these co-ordinates to make the shape



Plot
(2 , 1)
(6 , 1)
(2 , 8)
(6 , 8)

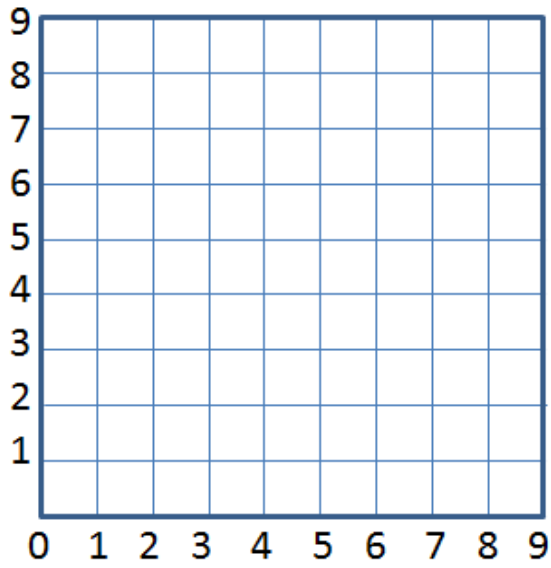
What is the shape ☐

2 marks

4P3b: Plot specified points and draw sides to complete a given polygon

5

Which point should I change to make a square?



Plot

(3 , 3) ☐

(7 , 2) ☐

(3 , 7) ☐

(7 , 7) ☐

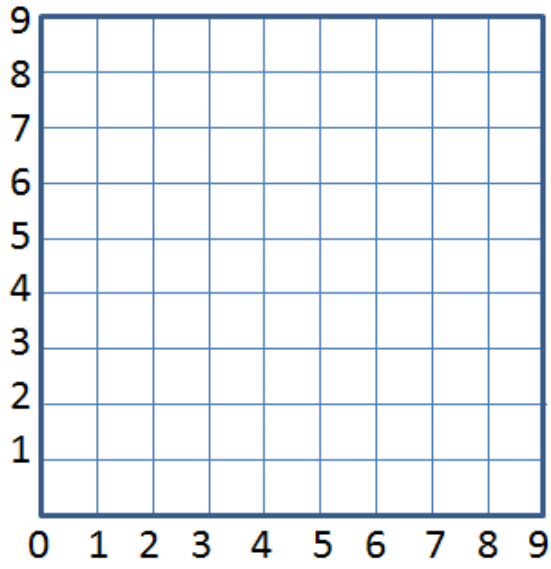
The new point is ☐

2 marks

4P3b: Plot specified points and draw sides to complete a given polygon

6

Which point should I change to make a rectangle?



Plot

(3 , 3) ☐

(8 , 4) ☐

(3 , 5) ☐

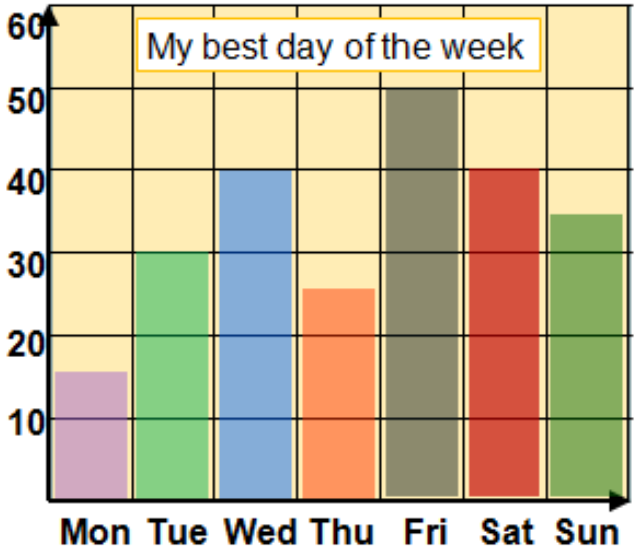
(8 , 5) ☐

The new point is ☐

2 marks

4P3b: Plot specified points and draw sides to complete a given polygon

1 Use the bar chart to answer the questions.



How many said Saturday

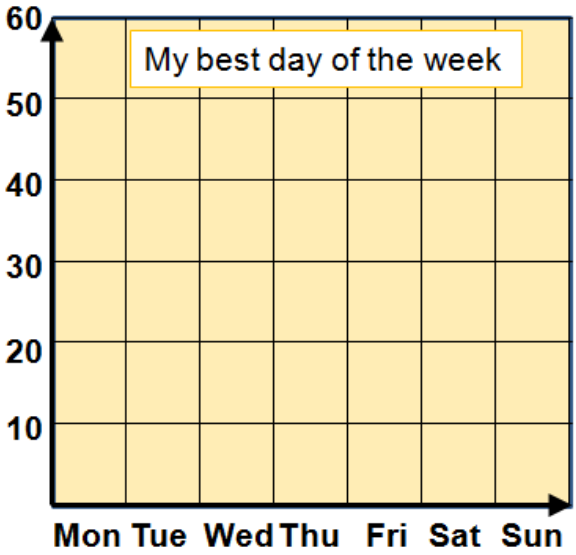
Which is the worst day of the week

Which is the best day

3 marks

4S1 Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

2 Use the table to complete the bar chart.

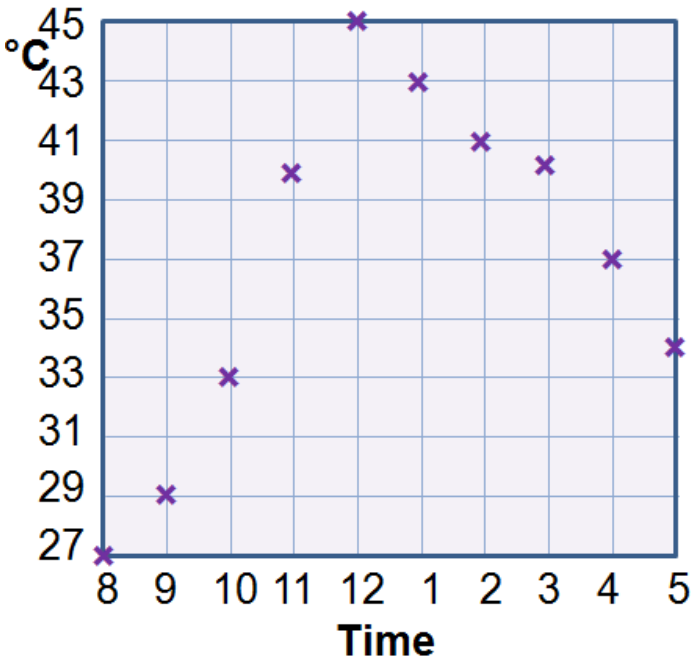


Mon	10
Tue	25
Wed	30
Thu	20
Fri	50
Sat	40
Sun	30

2 marks

4S1: Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

3 This chart shows how temperature changes in a desert during the day.



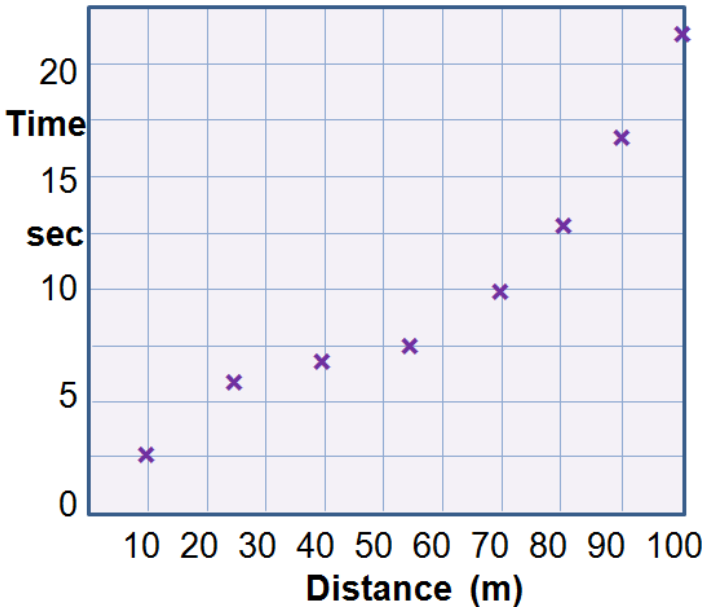
At what time is it hottest? _____

What is the temperature at 5pm _____

2 marks

4S1: Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

4 Poppy ran the 100m in just over 20 seconds.



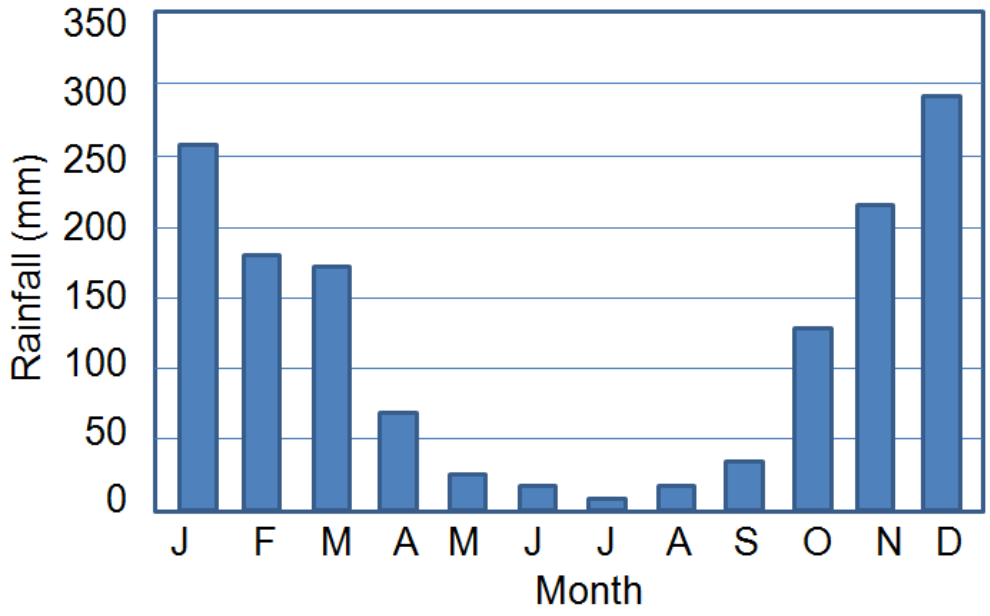
After 10 seconds how far had she gone

How long did it take her to run 55m

2 marks

4S1: Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

1 The average rainfall in Brazil per month is shown.



Estimate the average rainfall in January? _____ mm

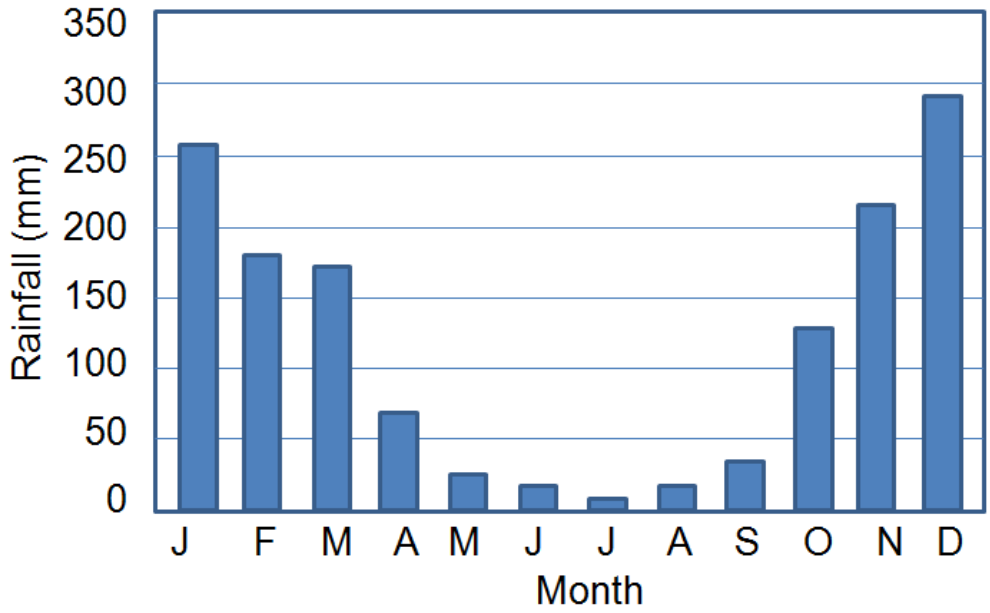
Which month had the highest rainfall? _____

Which month had the lowest rainfall? _____

3 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

2 The average rainfall in Brazil per month is shown.



How many months had more than 150mm rain ____

Estimate the difference in mm of rain between May and October

____ mm

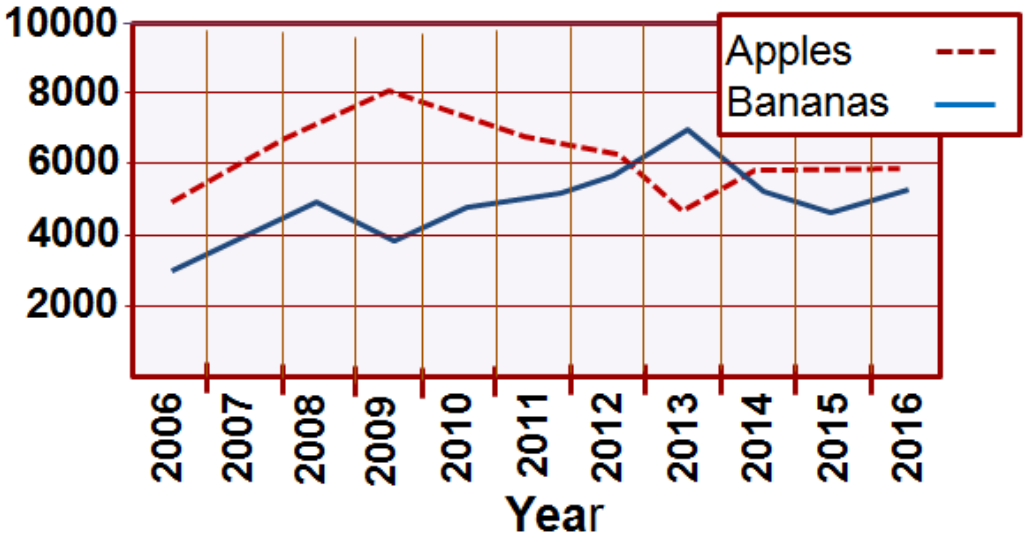
Estimate the total rainfall in June, July and August

____ mm

3 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

3 Yearly sales of apples and bananas are shown.



How many bananas were sold in 2006? ____

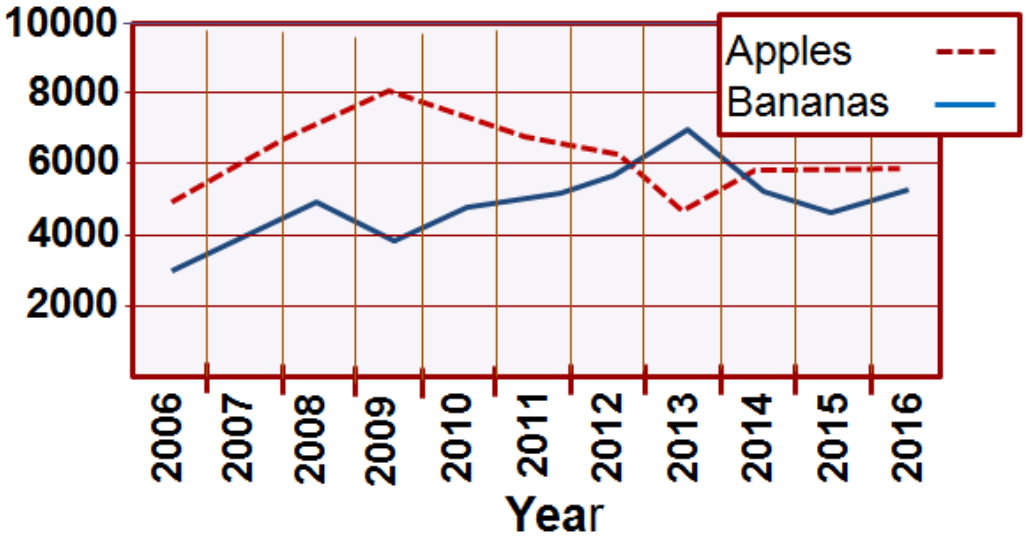
How many apples were sold in 2009 ____

In which year were more bananas than apples sold ____

3 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

4 Yearly sales of apples and bananas are shown.



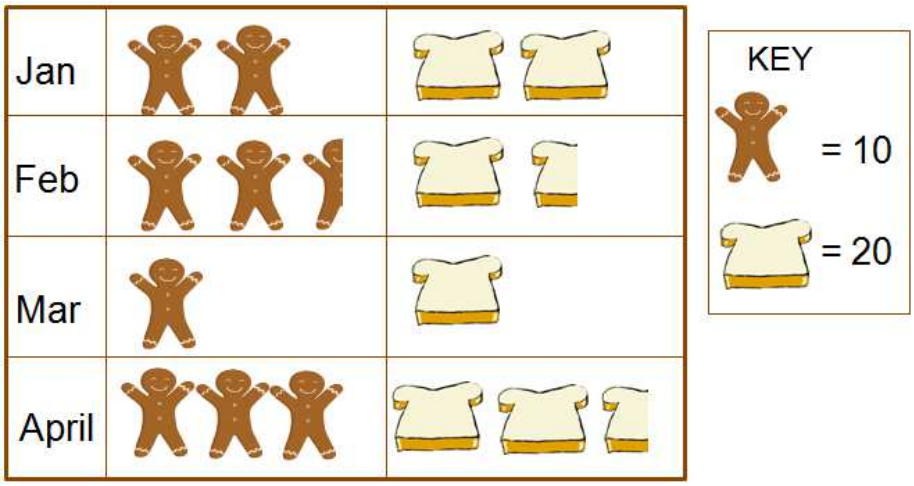
Estimate the difference between apple and banana sales in 2013

Estimate the total sales of apples and bananas in 2016

2 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

5 A shop sold loaves of bread and gingerbread men



How many loaves of bread was sold in Feb? ☐

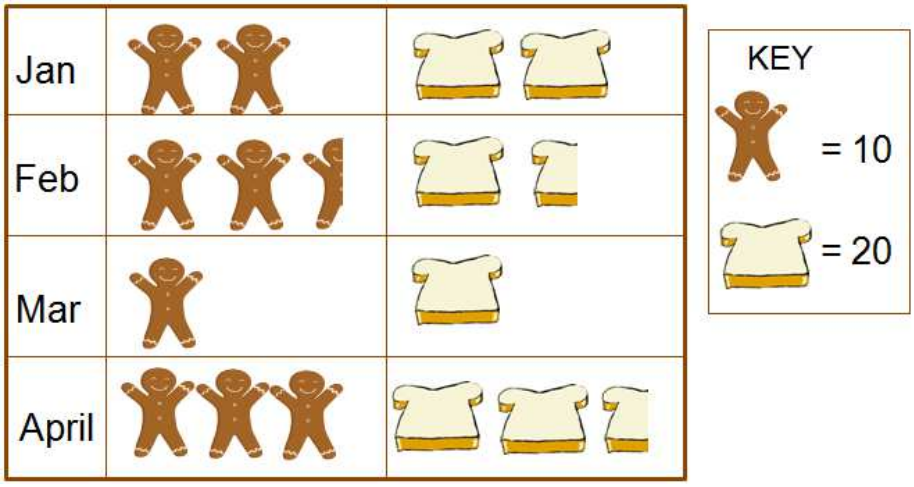
How many gingerbread men were sold in Feb? ☐

In total how many loaves and men were sold in April ☐

3 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

6 A shop sold loaves of bread and gingerbread men



What was the difference between sales of bread and gingerbread men in January?

How many gingerbread men were sold altogether in Jan, Feb, Mar and April?

How many loaves were sold altogether in Jan, Feb, Mar and April?

3 marks

4S2: Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs