

National curriculum tests

Key Stage 1

Mathematics

Practice Paper 3: reasoning

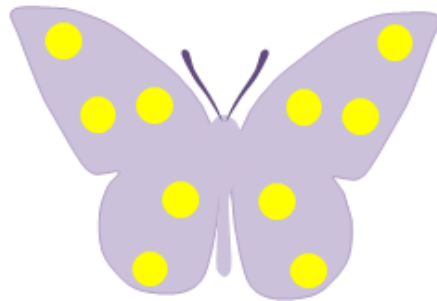
Time: about 35 minutes
No calculator allowed
35 marks

First name	
Middle name	
Last name	



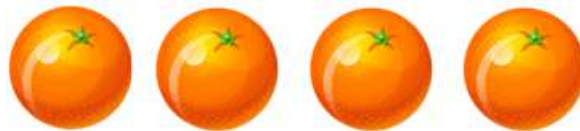
Total marks	
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Practice Question



spots

1



p

Ref: 2C8



1 mark

2

80

91

890

100

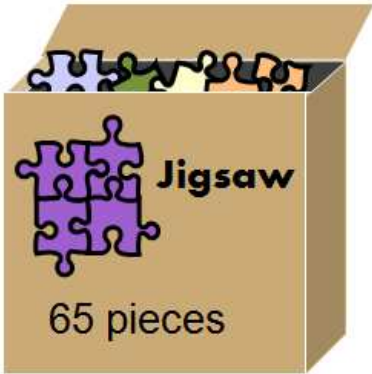
89



1 mark

Ref: 1N1a/2N2a

3



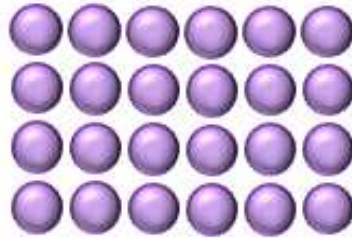
pieces



1 mark

Ref: 2N6

4



$6 + 4$

$6 - 4$

$6 + 6$

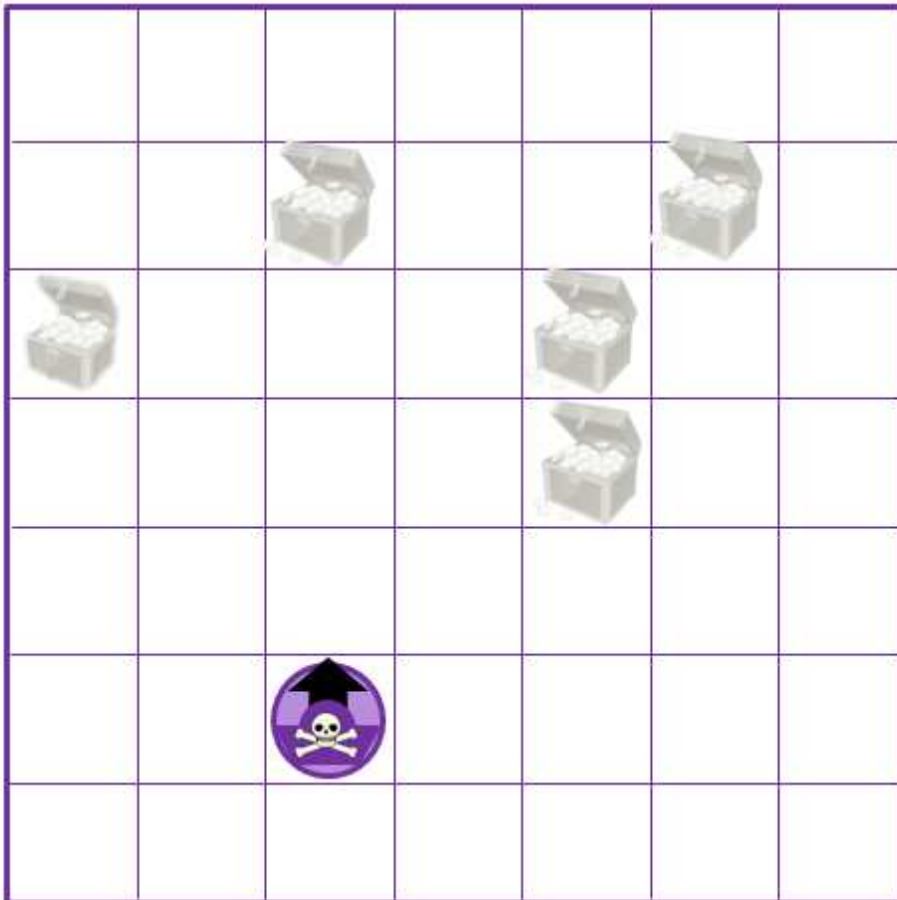
6×4



1 mark

Ref: 2C8

5



1 mark

Ref: 2P2

6 Circle the **longest** time.

1 hour 75 minutes 65 minutes 59 minutes



1 mark

Ref: 2M4b/2M4c

7 Write these numbers in order, starting with the **largest**

81

37

56

73

18

largest

smallest



1 mark

Ref: 2N2b/2N3

8

A bag of sweets costs 50 pence.
Poppy has 39 pence.



How much **more** money does Poppy need
to buy the sweets?

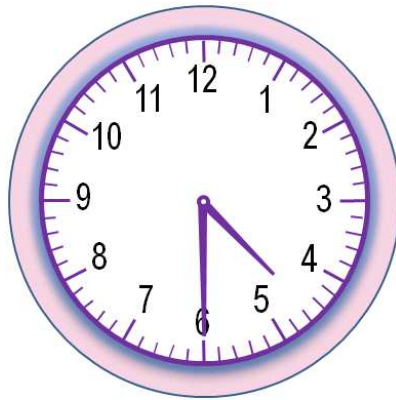
pence



1 mark

Ref: 2C4/2M9

9



What time does the clock show?
Tick the correct box.

twenty past six

half past four

half past five

twenty past five



1 mark

Ref: 1M4a/2M4a

10 Circle the **three** numbers that are **Odd**.

81	35	56
75	18	50



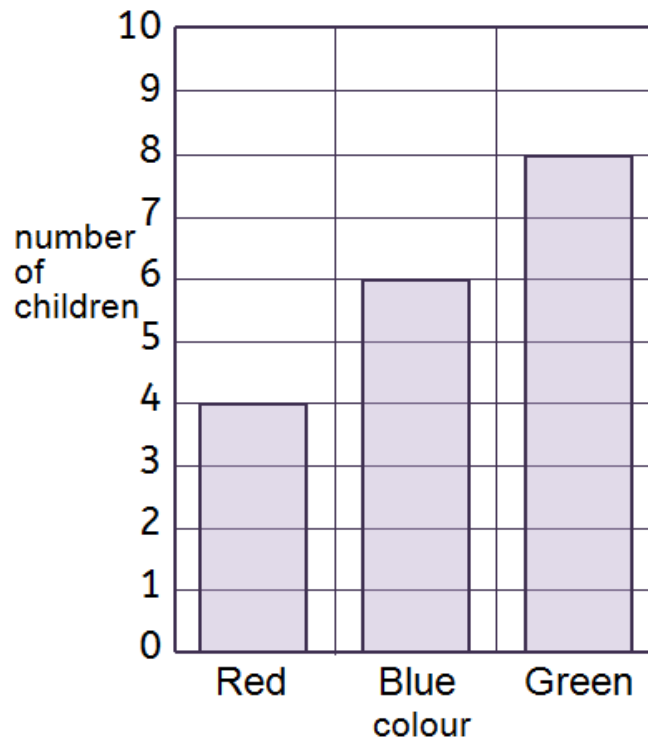
1 mark

Ref: 2C6

11

Some children choose their favourite colour

The chart shows the results



a) How many **more** children choose Green than Red?

children



1 mark

b) How many children choose Red, Blue or Green **altogether**?

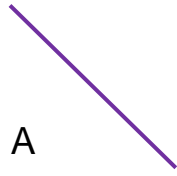
children



1 mark

Ref: 2S2b/2S1

12 Measure the longest line.



1 mark

Ref: 2M2

13 Look at these numbers.

1 11 20 9

Write each number once to make these correct.

<

>



1 mark



1 mark

Ref: 2N2b

14 A bunch of grapes had 25 grapes,
The grapes were shared equally between 5 friends.
How many grapes did **each** friend get?



grapes



1 mark

Ref: 2C8

15 Poppy has some coins.



Henry has **1p more**.

How much money does Henry have

 p

1 mark

Ref: 2M3a/2M9

16 Fill in the missing numbers to make each pair of cards **total 15**.

One pair is done for you.



1 mark

Ref: 2C1/C3

17 Poppy coloured in a quarter of a circle.



Which fraction shows how much she coloured in?

Circle it.

$$\frac{1}{2}$$

$$\frac{2}{3}$$

$$\frac{3}{4}$$

$$\frac{1}{4}$$



1 mark

Ref: 2F2

18

Write six **different** numbers to make these sums correct.

$$\square + \square = 35$$

$$\square + \square = 35$$

$$\square + \square = 35$$



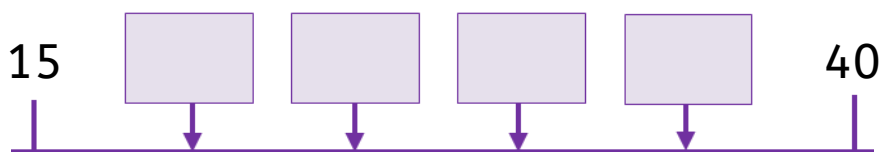
1 mark

Ref: 2C4

19

The numbers on this number line go up by the same amount each time.

Write the missing numbers in the boxes.



1 mark

Ref: 2N4

20

There are 15 girls and 17 boys at a birthday party.

There are 50 cakes.

Each child ate one cake.

How many cakes are left?



Show
your
working

Blank area for showing working.

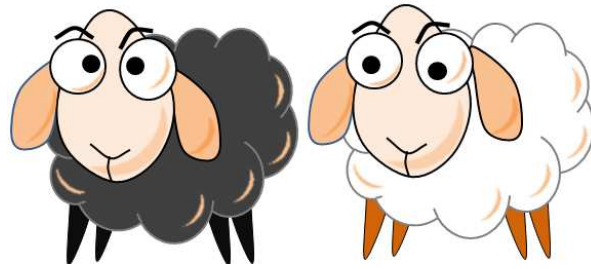
cakes



2 marks

Ref: 2C4

21 Henry and Poppy count sheep in a field



Henry counts **29** black sheep
Poppy counts **17** white sheep.

How many sheep do they count altogether?

1 mark

Ref: 2C4

22 Write a number in the box to make this number sentence correct.

$$13 + \boxed{} - 8 = 9$$

1 mark

Ref: 2C3/2C2b

23

Henry and Poppy have a bag of chips each.
In each bag there are 9 chips.
How many chips do they have altogether?



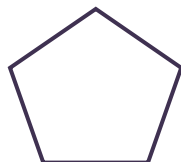
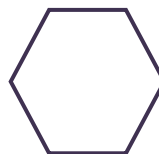
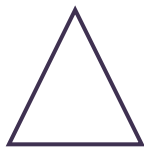
chips

1 mark

Ref: 2C8

24

Tick the Hexagon.



1 mark

Ref: 1G1a/2G1a

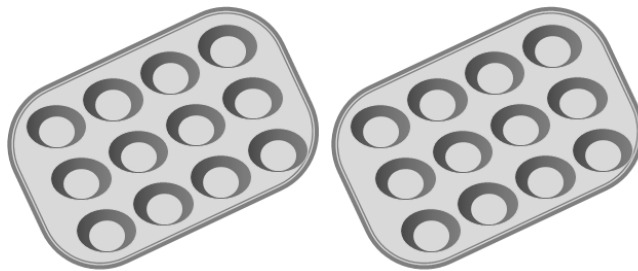
25 Shade exactly $\frac{3}{4}$ of this shape.



1 mark

Ref: 2F1a

26 Henry has two baking trays to bake cakes.



Write a number sentence using \times and $=$ to show that Henry can bake 24 cakes.



1 mark

Ref: 2C7

27

There are 40 marbles in a box.



Henry takes 31 marbles **out** the box.

Poppy puts 19 marbles **in** the box.

How many marbles are in the box now?

Show your working

marbles

2 marks

Ref: 2C4

28 Complete these sums

One is done for you

$$\boxed{10} + \boxed{10} = 20$$

$$\boxed{23} + \boxed{} = 50$$

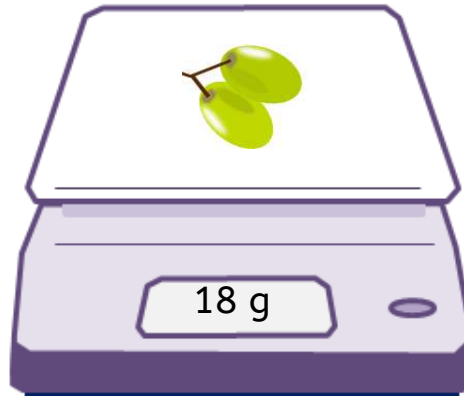
$$\boxed{} + \boxed{9} = 70$$



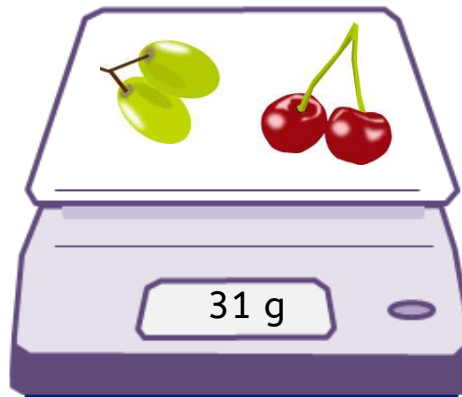
1 mark

Ref: 2C1/2C3

29 Some grapes weigh 18 grams.



The grapes and some cherries weigh 31 grams together.



What do the cherries weigh?

 g

1 mark


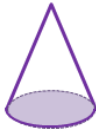

Ref: 2C4

30

Look at these shapes.

How many sides do they have?

Complete the table

Shape	Number of Sides
	
	
	



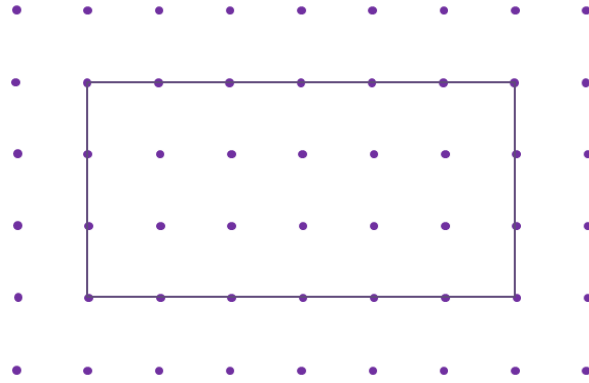
1 mark

Ref: 2G2b

31

Draw lines to divide the rectangle into thirds ($\frac{1}{3}$).

Use the dots to help you.



1 mark

Ref: 2F1a

End of Test