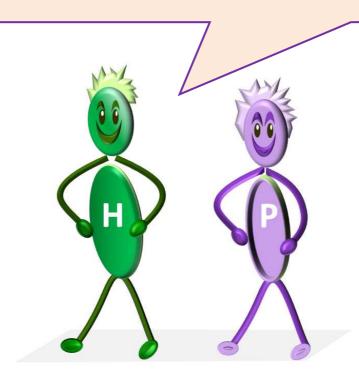
Henry and Poppy

have fun with Multiplication

Year 5 to Year 6 maths

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

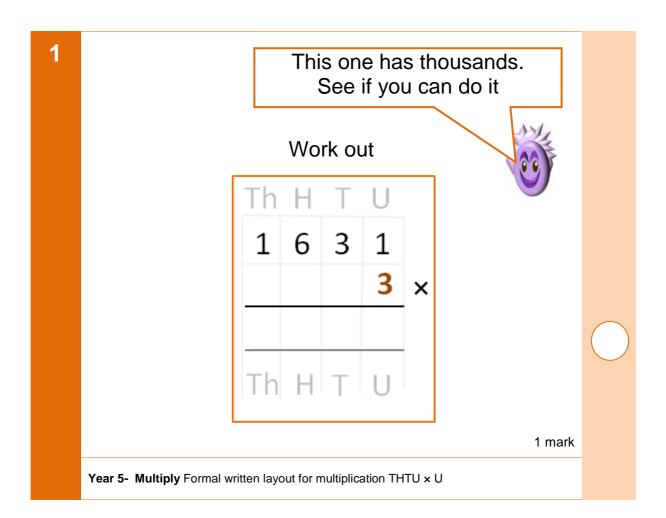


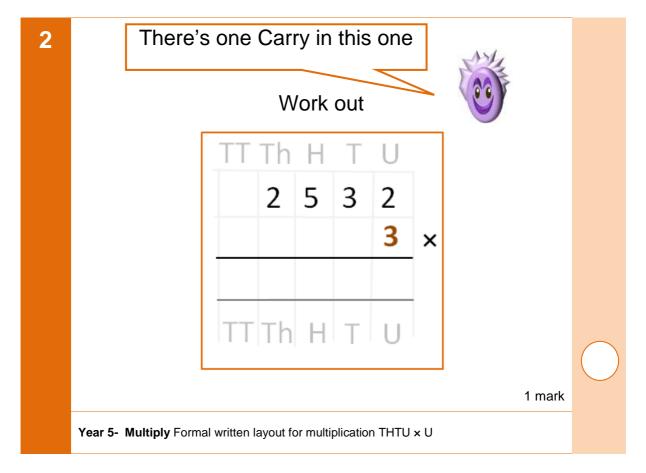
Year 5:

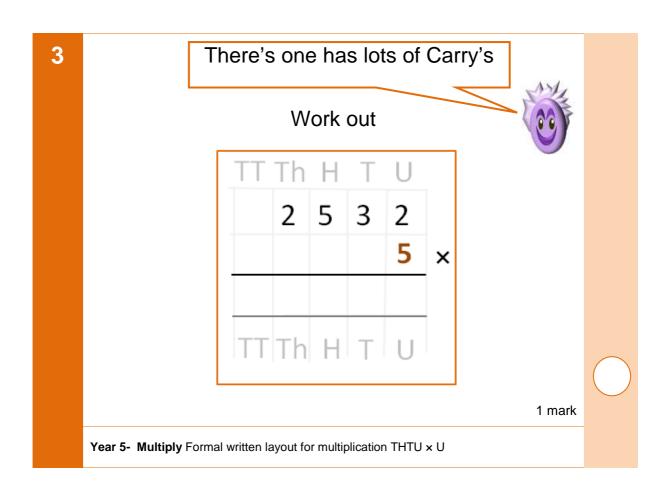
- Formal written layout for multiplication THTU × U
- Expanded written method Long multiplication TU x TU
- Long multiplication TU x TU
- Long multiplication HTU x TU
- Multiply numbers mentally drawing upon known facts (+ 9 times table)
- Poppy's trick for times by 5
- Problem Solving

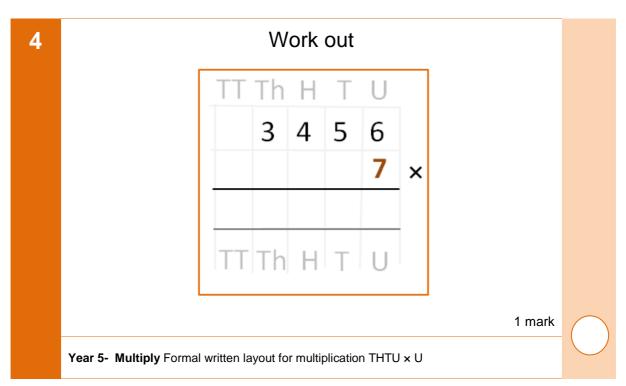
Year 6:

- Multiply one digit (2 decimal places) by whole numbers
- Written method : Long multiplication











Remember that:

32 is 30 + 241 is 40 + 1

Start with the units. Do $1 \times 2 = 2$ and write it down Do $1 \times 30 = 30$ and put this below

Now do the tens Do $40 \times 2 = 80$ and write it down Do $40 \times 30 = 1200$ and put this below

Now add everything up

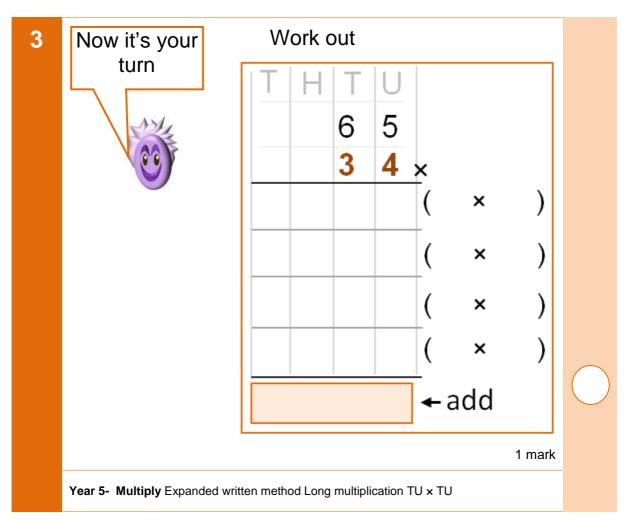
Τ	Н	Τ	U	
		3	2	
		4	1	×
			2	(1 × 2)
		3	0	(1 × 30)
		8	0	(40 × 2)
1	2 ₁	0	0	(40 × 30)
1	3	1	2	← add

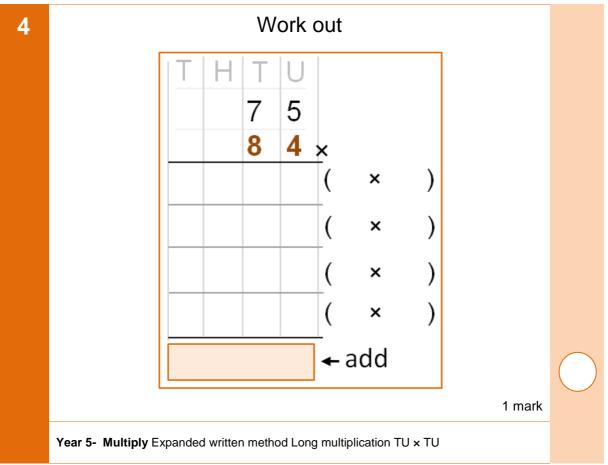
So 32 × 41 = 1312 You remembered the Carry

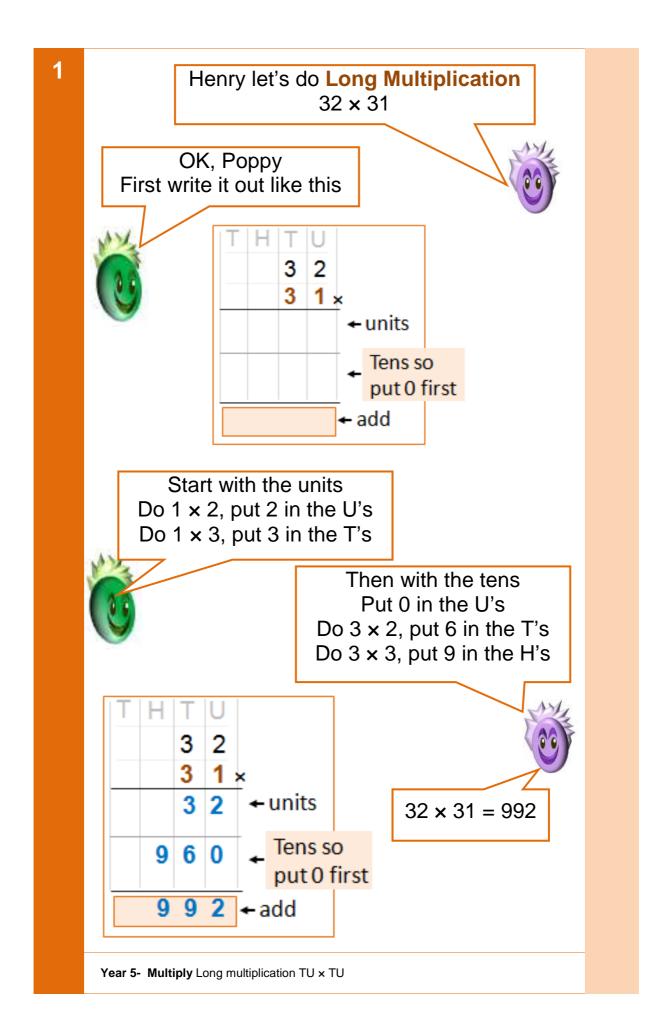
My best Bro is a Genius!

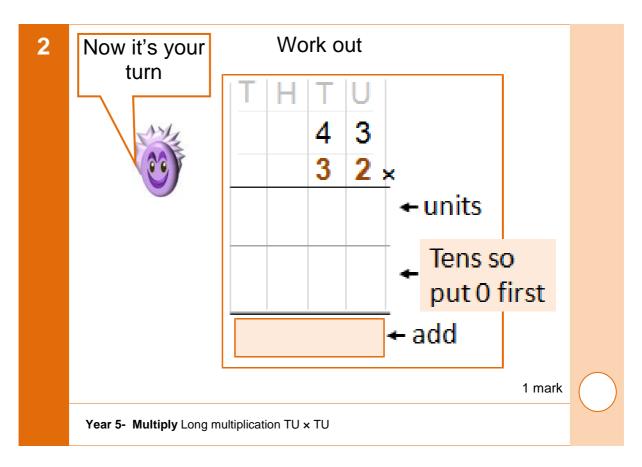


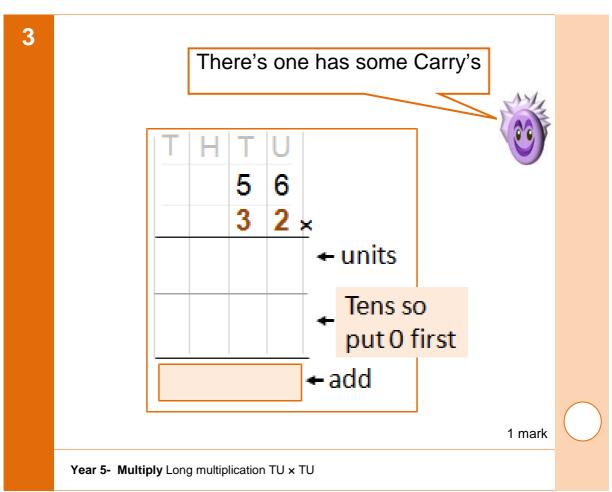
Year 5- Multiply Expanded written method Long multiplication TU x TU

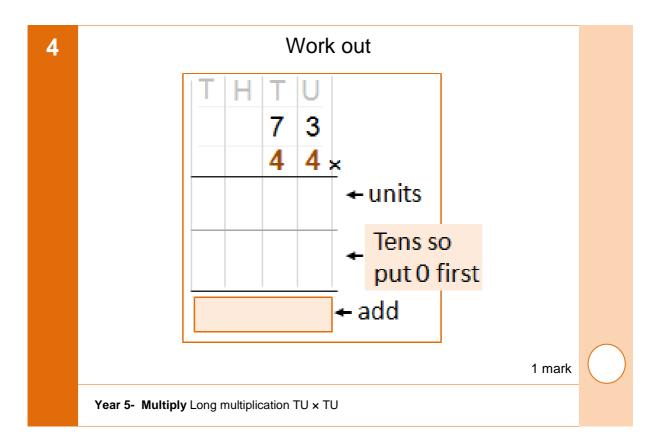


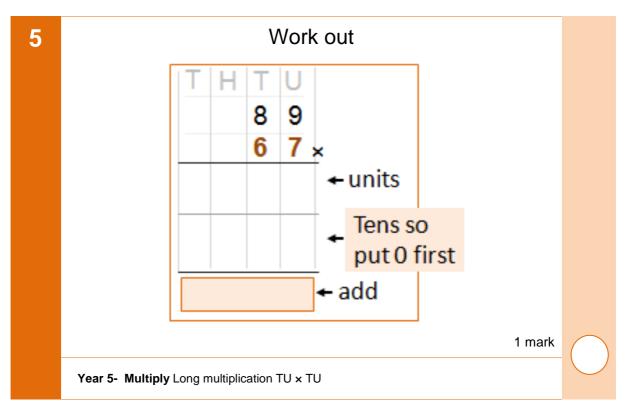


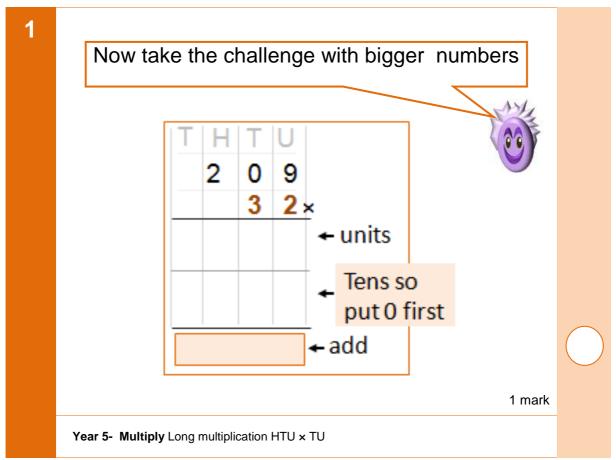


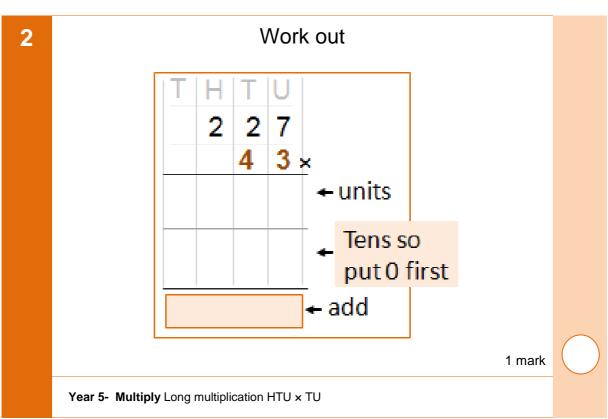




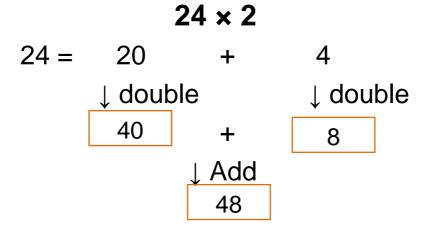








1 Doubling (x2) by breaking down the number



1 mark

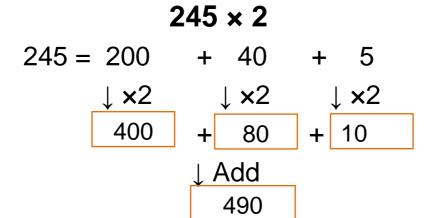
Year 5 Multiply: Multiply numbers mentally drawing upon known facts

2 Doubling (x2) by breaking down the number

1 mark

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

3 Doubling (x2) by breaking down the number



1 mark

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

Doubling (x2) by breaking down the number

1 mark

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

1

Write a number as a decimal number then

To multiply by 10

move the decimal point 1 place

to make the number bigger...

$$9.0 \times 10 = 90.0$$

$$\times 10$$

$$9.0 \longrightarrow 90.0$$

If you need spare boxes put them after the number

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

2 Multiply these numbers by 10

$$5.0 \times 10$$
 $5.0 \rightarrow \Box$

$$22.0 \times 10$$
 $\boxed{22.0} \rightarrow \boxed{}$

$$85.0 \times 10$$
 85.0 \rightarrow 3 marks

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

Write a number as a decimal number then

To multiply by 100

move the decimal point 2 places

to make the number bigger...

$$87.1 \times 100 = 8710.0$$
 $\times 100$
 $87.1 \longrightarrow 8710.0$

If you need spare boxes put them after the number

Year 5 Multiply: Multiply numbers mentally drawing upon known facts

Multiply - Nine times table

Multiply - Nine times table



Poppy has a TRICK:

to ×5, instead ×10 (add zero) then *halve* the answer



$$12 \times 5 \rightarrow Do 12 \times 10 = 120$$

↓ half 60

↓ half

1 mark

Year 5 - Poppy's trick for multiply by 5

2 Use Poppy's TRICK



↓ half

↓ half

2 marks

Year 5 - Poppy's trick for multiply by 5

