Year Five
Maths
Lesson 1

Fluency Starter

- Keep up your daily practice of 5 a day https://corbettmathsprimary.com/5-a-day/ and challenge yourself to Bronze, Silver, Gold or Platinum!

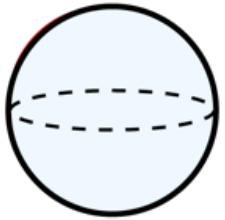
- Or Complete Flashback 4 for your daily starter (on the next slide).

- Log on to Doodlemaths for 15 minutes each day and try and keep in the Green Zone.
- There are also some Maths activities on Purple Mash to complete.

Fluency Starter

Flashback 4

Year 5 | Week 3 | Day 1



1) Subtract 2.78 from 3.92

2) What is 0.6 more than 0.77?

3) What percentage is the same as $\frac{3}{4}$?

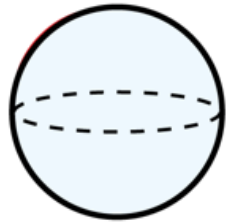
4) Divide 861 by 3

White Rose Maths

Fluency Starter Answers

Flashback 4

Year 5 | Week 3 | Day 1



1) Subtract 2.78 from 3.92 — 1.14

2) What is 0.6 more than 0.77? — 1.37

3) What percentage is the same as $\frac{3}{4}$? — 75%

4) Divide 861 by 3 — 287

White Rose Maths

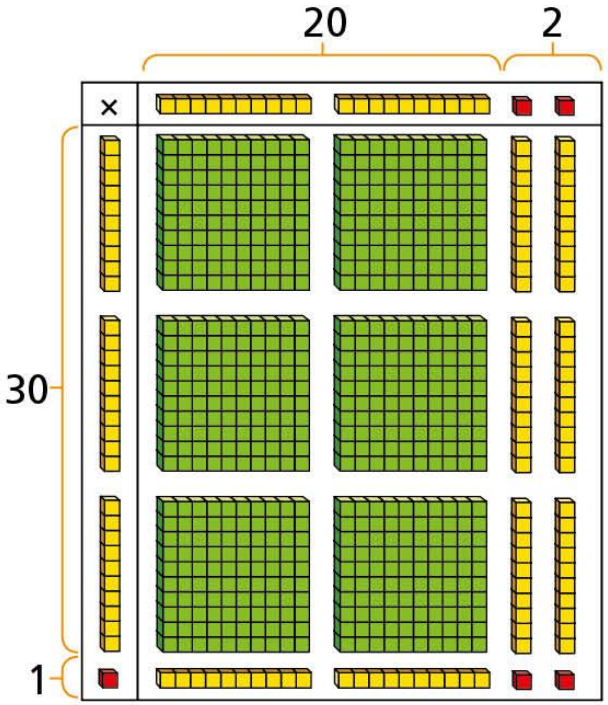
Lesson Aims

- I can multiply 2 digit numbers
- Watch this video
- https://vimeo.com/413573097

Multiply 2-digits (area model)

1 Kim is using base 10 to work out 31 × 22

Use Kim's model to help you complete the sentences.



There are ☐ ones altogether.

There are ☐ tens altogether.

There are ☐ hundreds altogether.

31 × 22 = ☐

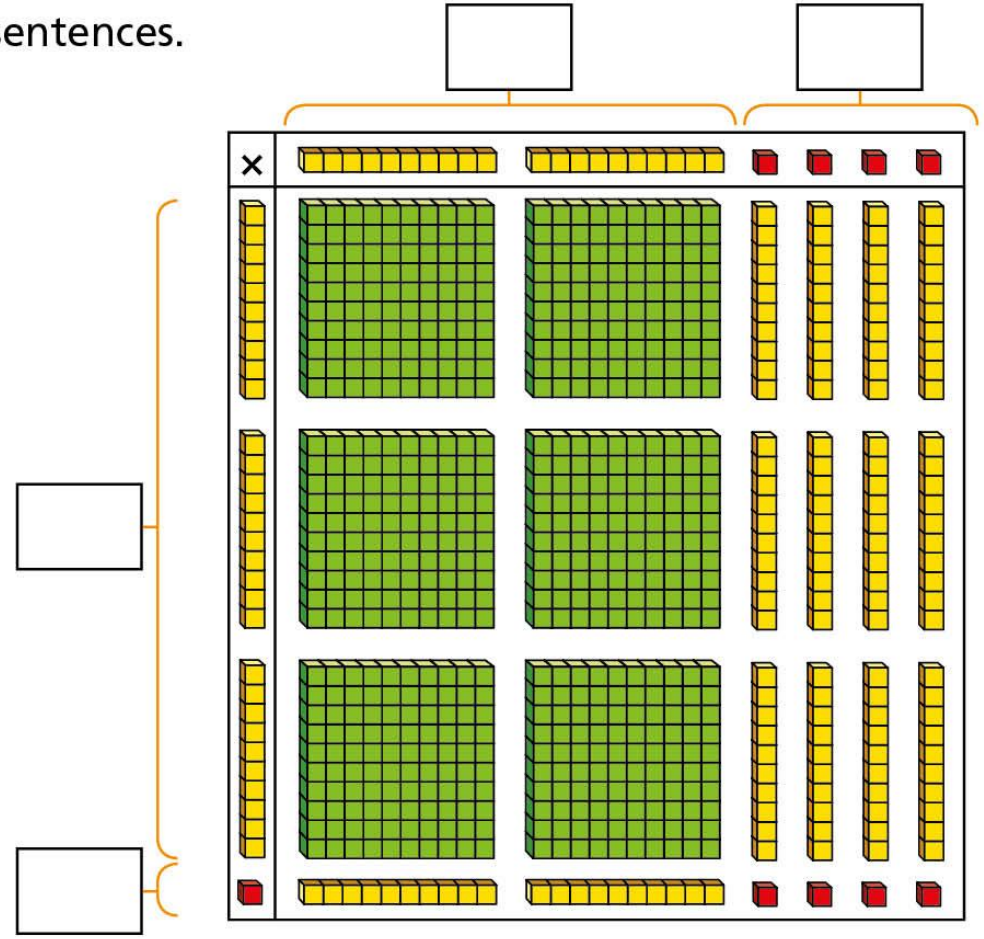
2 Use base 10 to work out the multiplications.

a) 12 × 14 = ☐

b) 23 × 13 = ☐

3 Amir is using base 10 to calculate 31 × 24

a) Add the missing information to the area model and complete the sentences.



3 There are ☐ ones altogether.

There are ☐ tens altogether.

There are ☐ hundreds altogether.

b) Describe any exchanges you need to make.

_____

_____

c) Complete the multiplication.

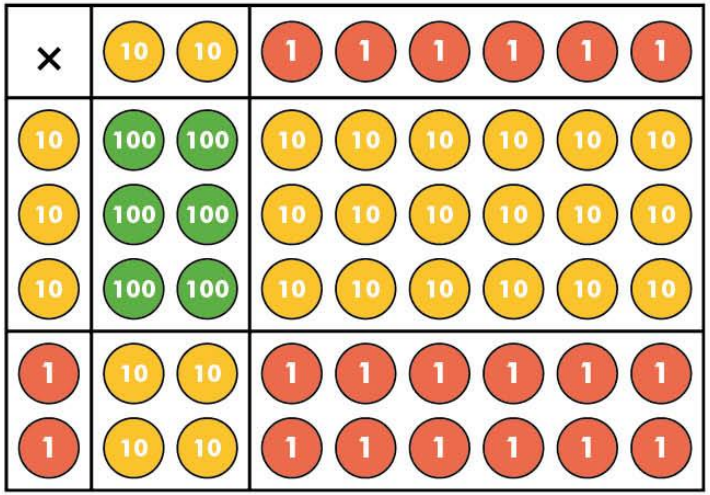
31 × 24 = ☐

4 Use base 10 to work out these multiplications.

a) 25 × 15 = ☐

b) 36 × 12 = ☐

5 Use the place value counters to complete the multiplication grid and sentence.



×	20	6
30		
2		

26 × 32 = ☐

6 Use an area model to help you complete the multiplication.

a) 28 × 14 = ☐

×	20	8
10		
4		

b) 27 × 16 = ☐

×		

c) 35 × 22 = ☐

d) 45 × 36 = ☐

7 Complete the multiplications.

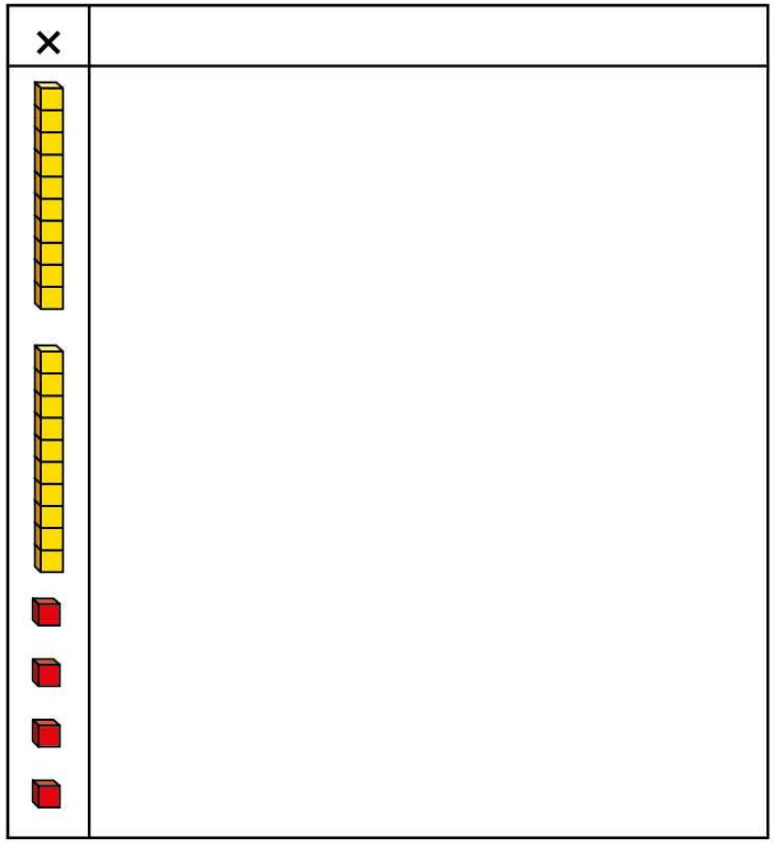
$21 \times 24 =$ ☐

$31 \times 25 =$ ☐

$18 \times 26 =$ ☐

8 $24 \times \square = 768$

Complete the area model to find the missing number.



Fluency Activity

- See activity sheet Day 1
- Complete as many questions as you are able.

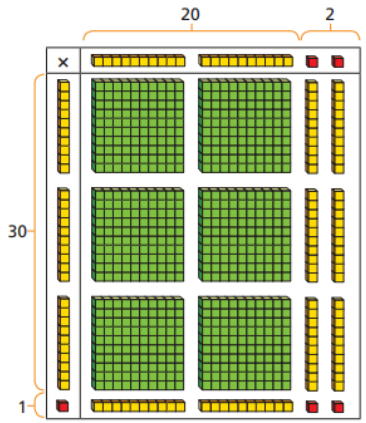
Fluency Activity Answers

Multiply 2-digits (area model)

White Rose Maths

1 Kim is using base 10 to work out 31 × 22

Use Kim's model to help you complete the sentences.



There are [2] ones altogether.

There are [8] tens altogether.

There are [6] hundreds altogether.

31 × 22 = [682]

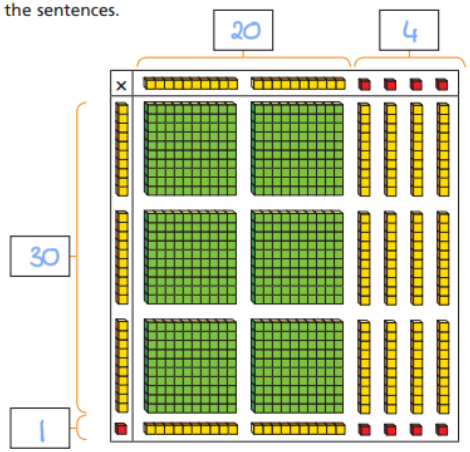
2 Use base 10 to work out the multiplications.

a) 12 × 14 = [168]

b) 23 × 13 = [299]

3 Amir is using base 10 to calculate 31 × 24

a) Add the missing information to the area model and complete the sentences.



There are [4] ones altogether.

There are [14] tens altogether.

There are [6] hundreds altogether.

b) Describe any exchanges you need to make.

Exchange 10 tens for 1 hundred.

c) Complete the multiplication.

31 × 24 = [744]

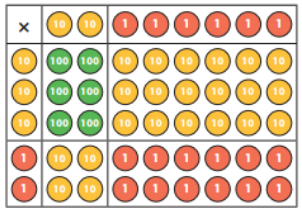
4 Use base 10 to work out these multiplications.

a) 25 × 15 = [375]

b) 36 × 12 = [432]

Fluency Activity Answers

5 Use the place value counters to complete the multiplication grid and sentence.



×	20	6
30	600	180
2	40	12

26 × 32 = 832

6 Use an area model to help you complete the multiplication.

a) 28 × 14 = 392

×	20	8
10	200	80
4	80	32

b) 27 × 16 = 432

×	20	7
10	200	70
6	120	42

c) 35 × 22 = 770

d) 45 × 36 = 1,620

7 Complete the multiplications.

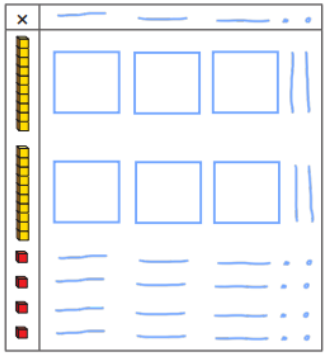
21 × 24 = 504

18 × 26 = 468

31 × 25 = 775

8 24 × 32 = 768

Complete the area model to find the missing number.



9 Use each digit card once to write a multiplication.

2	3	4	5

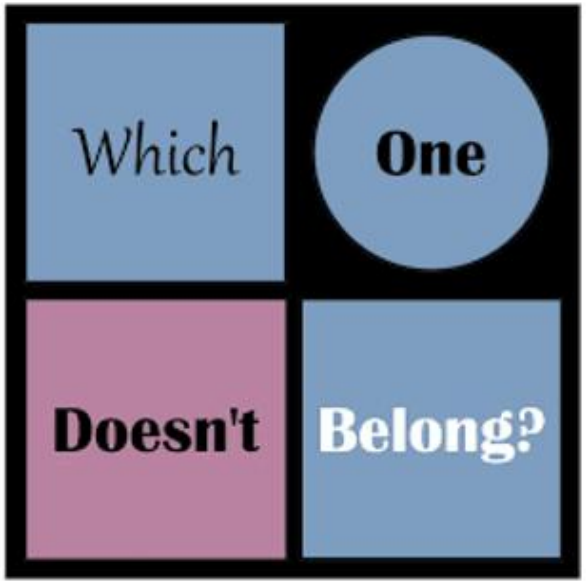
e.g. 23 × 45 = 1,035

How many different answers can you find?

Various answers

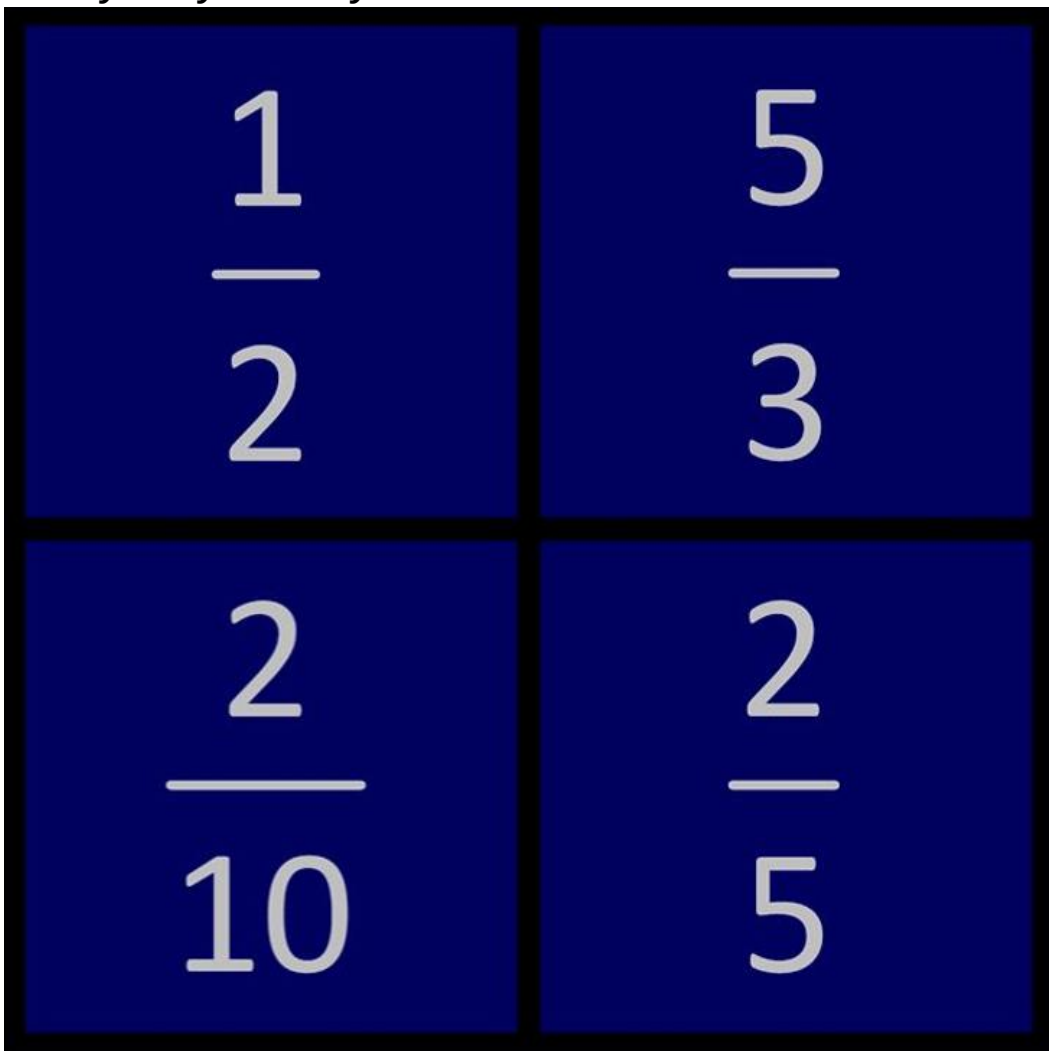
How many products are there between 1,000 and 1,500?

Problem Solving



Problem Solving

- How many ways can you find?



Problem Solving

- How many different ways did you find?
- Can you explain your reasoning?