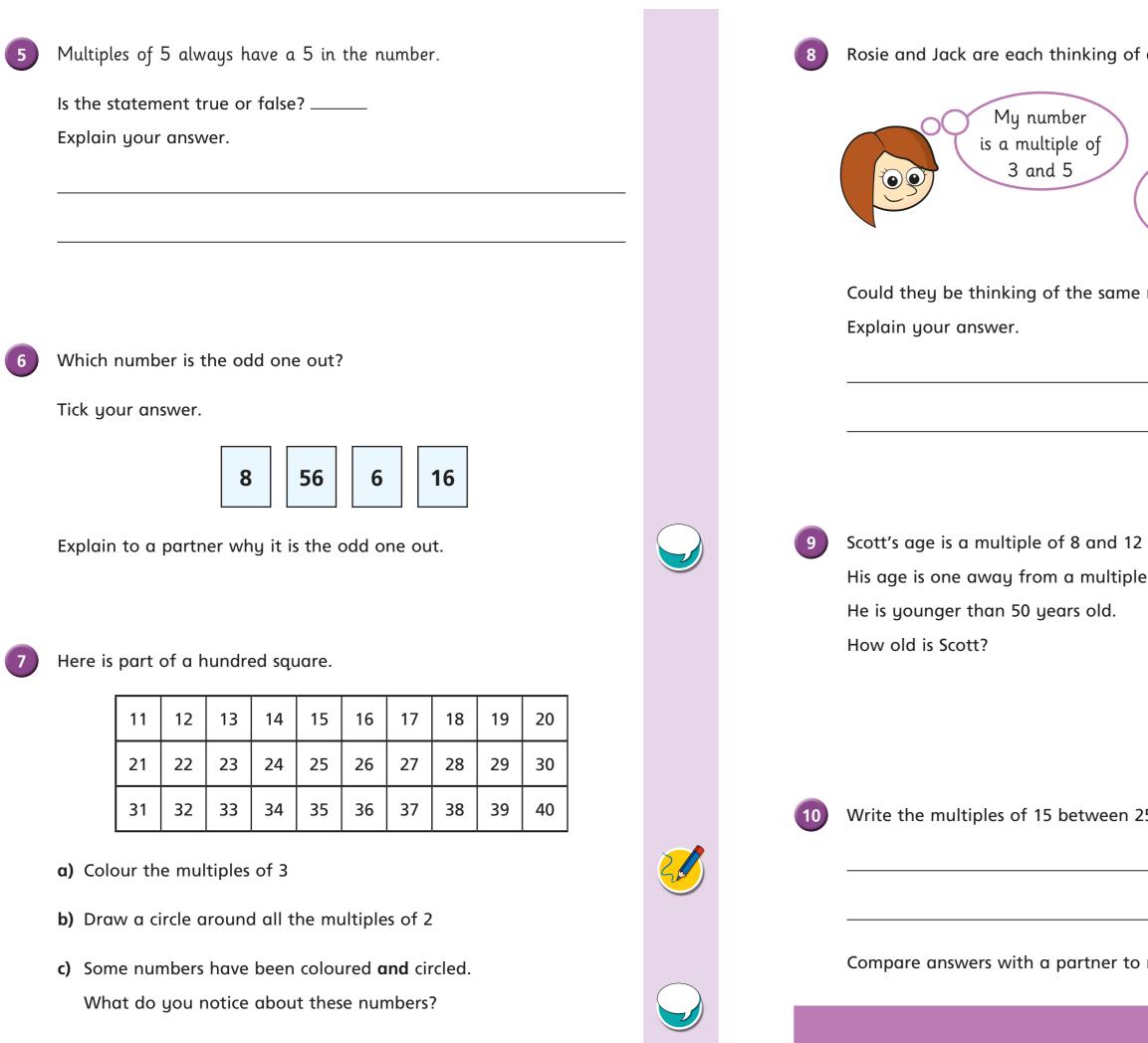


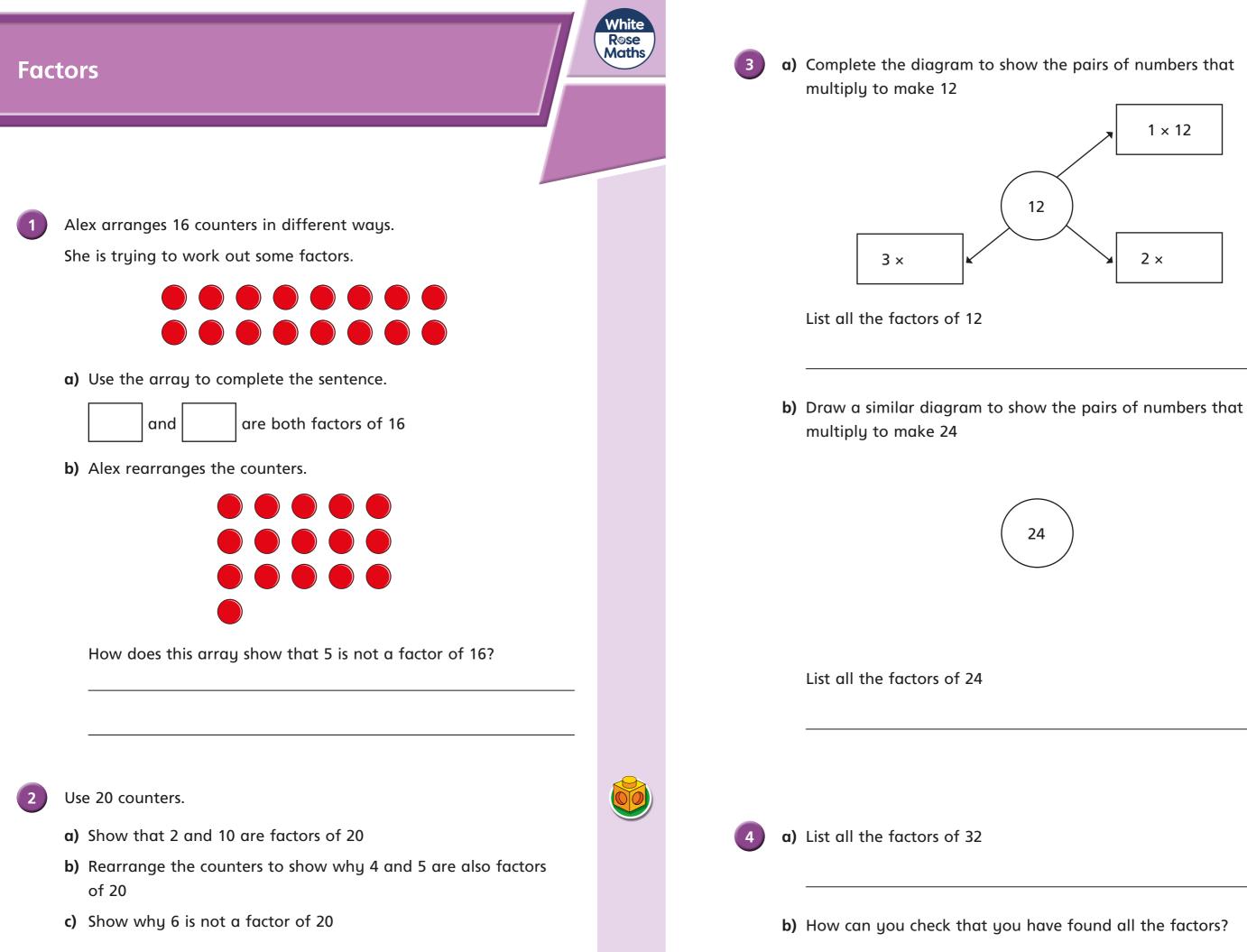
io 20	
o 20	
e multiples of 2 and 4? of 4?	
18 21 32	

126	432	9,735



of a number.	
My number is a multiple of 2 and 10	
ne number?	
12 ple of 7	
n 250 and 350	
to make sure you have them all.	\bigcirc

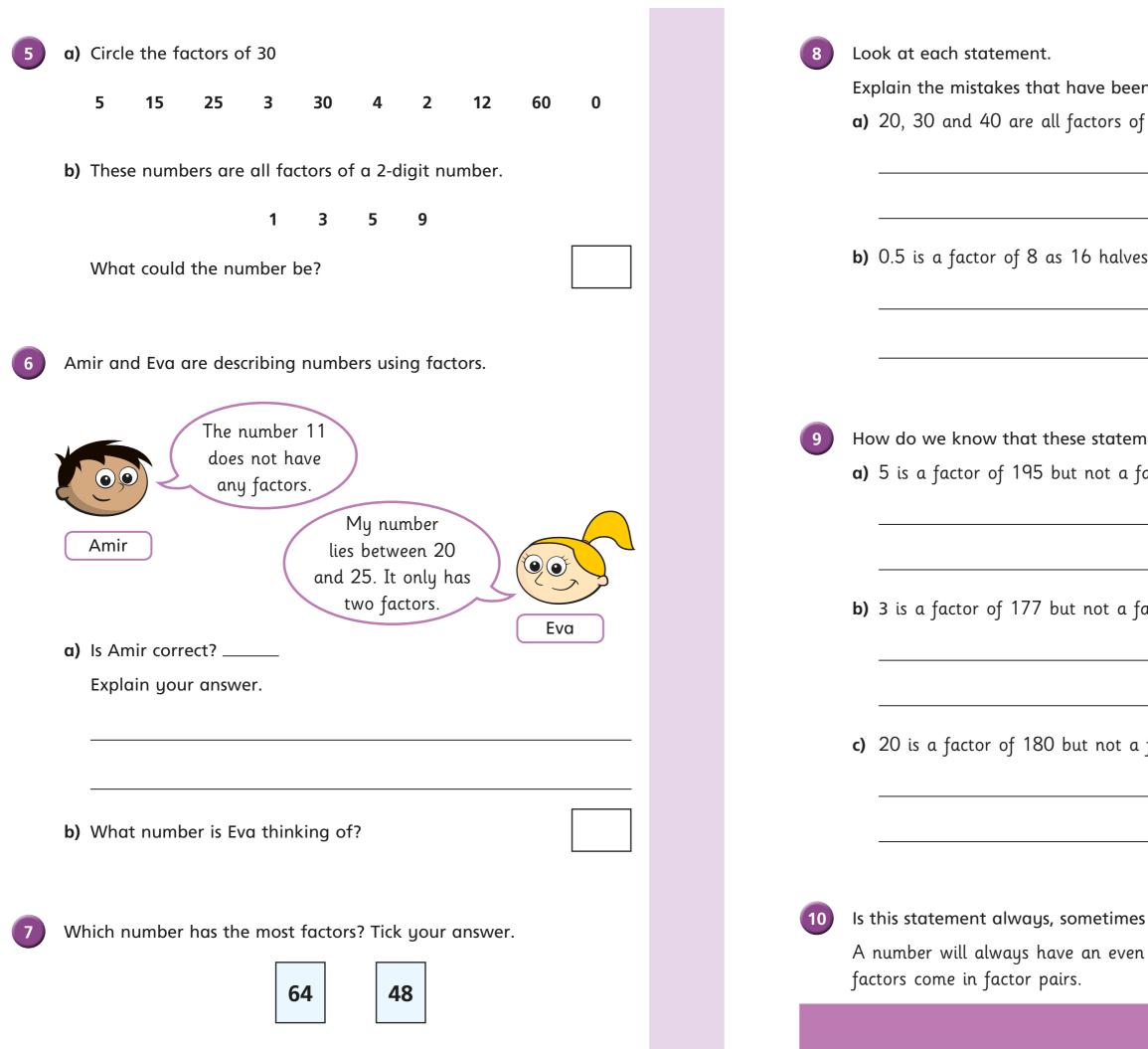
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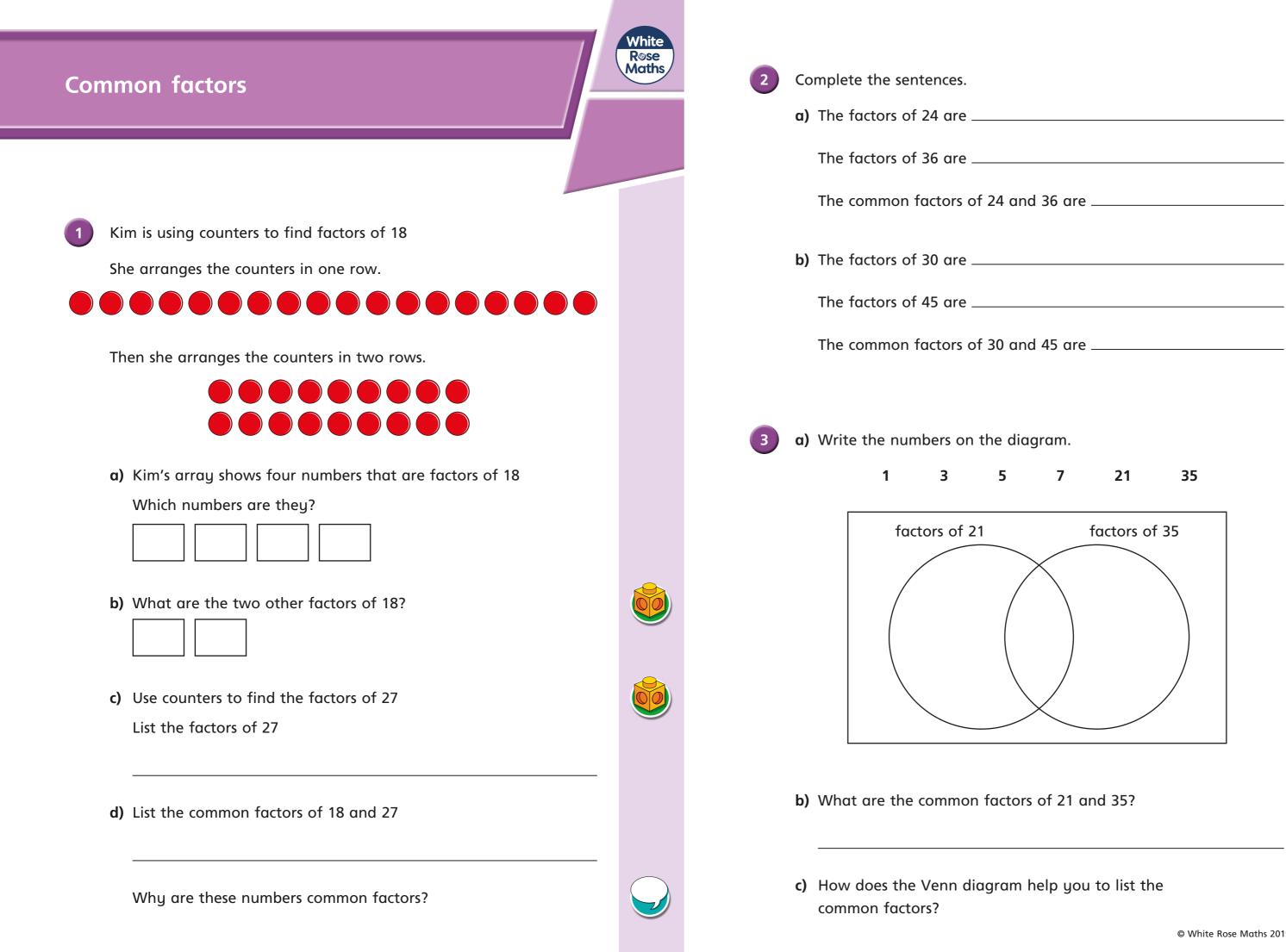
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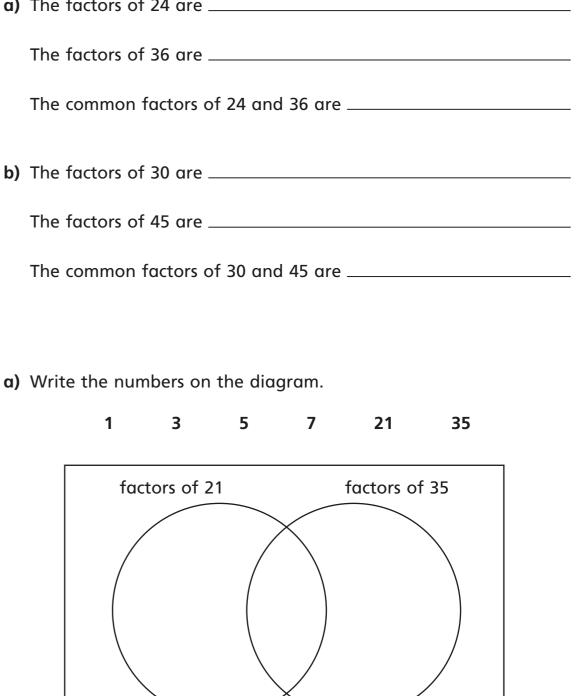


een made. of 10
ves equals 8
ements are true? a factor of 196
ı factor of 178
a factor of 190
nes or never true? ven number of factors because

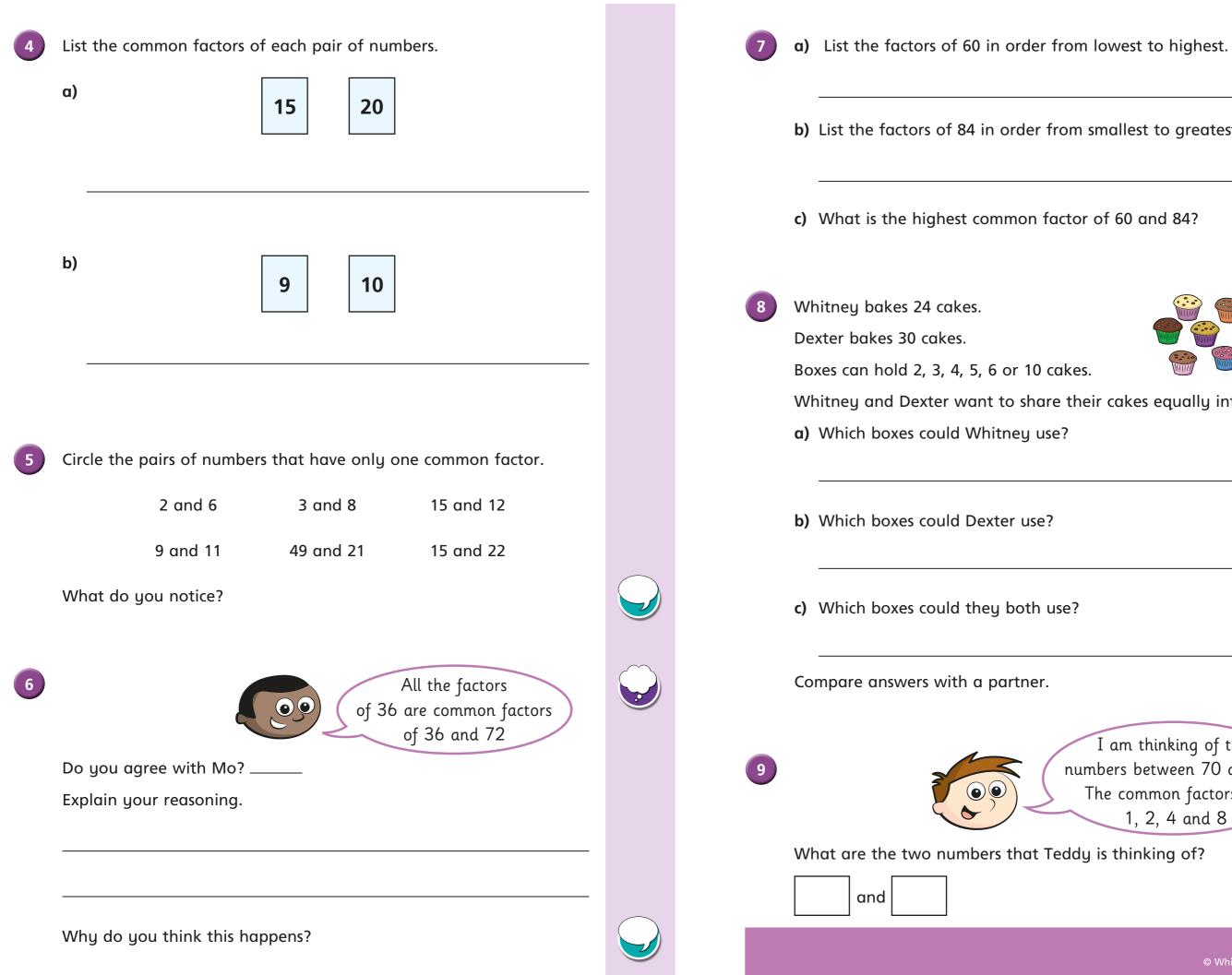






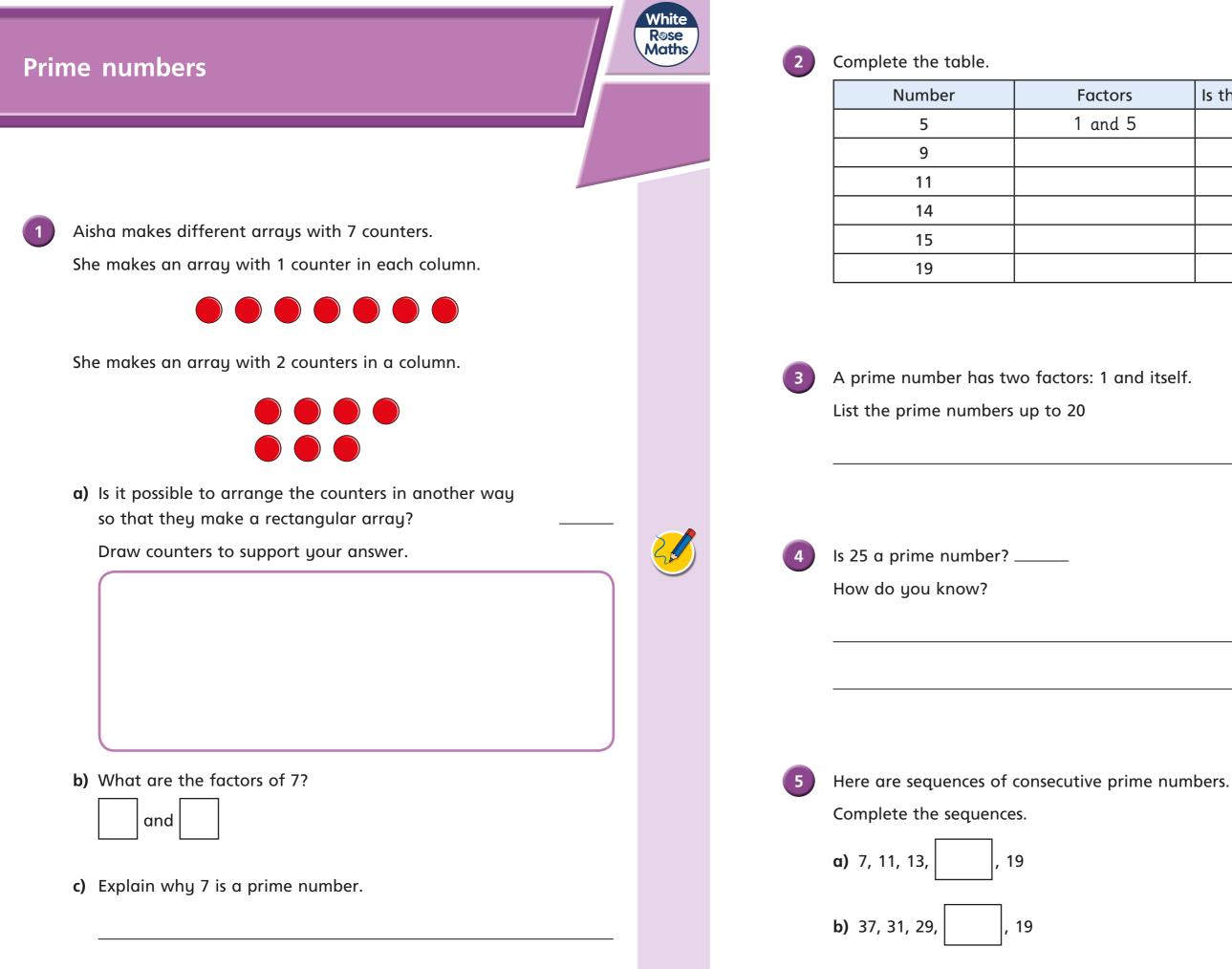






	\smile
rom smallest to greatest.	
actor of 60 and 84?	
cakes. The their cakes equally into boxes. e?	
use?	
I am thinking of two numbers between 70 and 80. The common factors are 1, 2, 4 and 8	
eddy is thinking of?	







ctors	Is the number prime?
and 5	Yes

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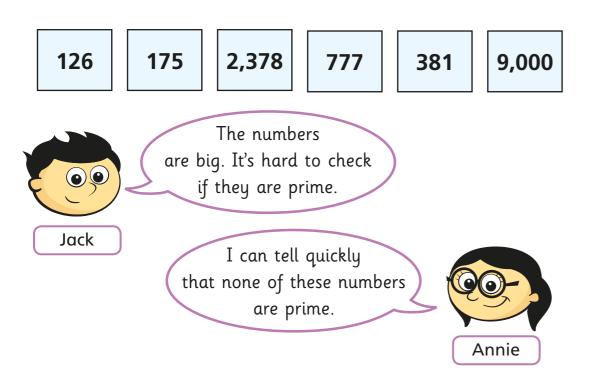


Colour all the prime numbers.

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

7

Here are some numbers.



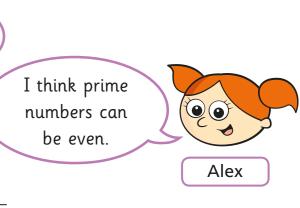
How does Annie know that none of the numbers are prime?

Compare answers with a partner.

8	Mo and Alex are talking about pri
	Prime numbers are always odd. Mo
	Who is correct? How do you know?
9	Teddy writes five consecutive num Three of the numbers are prime. What are the five consecutive num , , , , , , , , , , , , , , , , , , ,
10	Kim is thinking of a prime number It is in between a multiple of 11 a What number is Kim thinking of?

rime numbers.





nbers.

mbers?

,

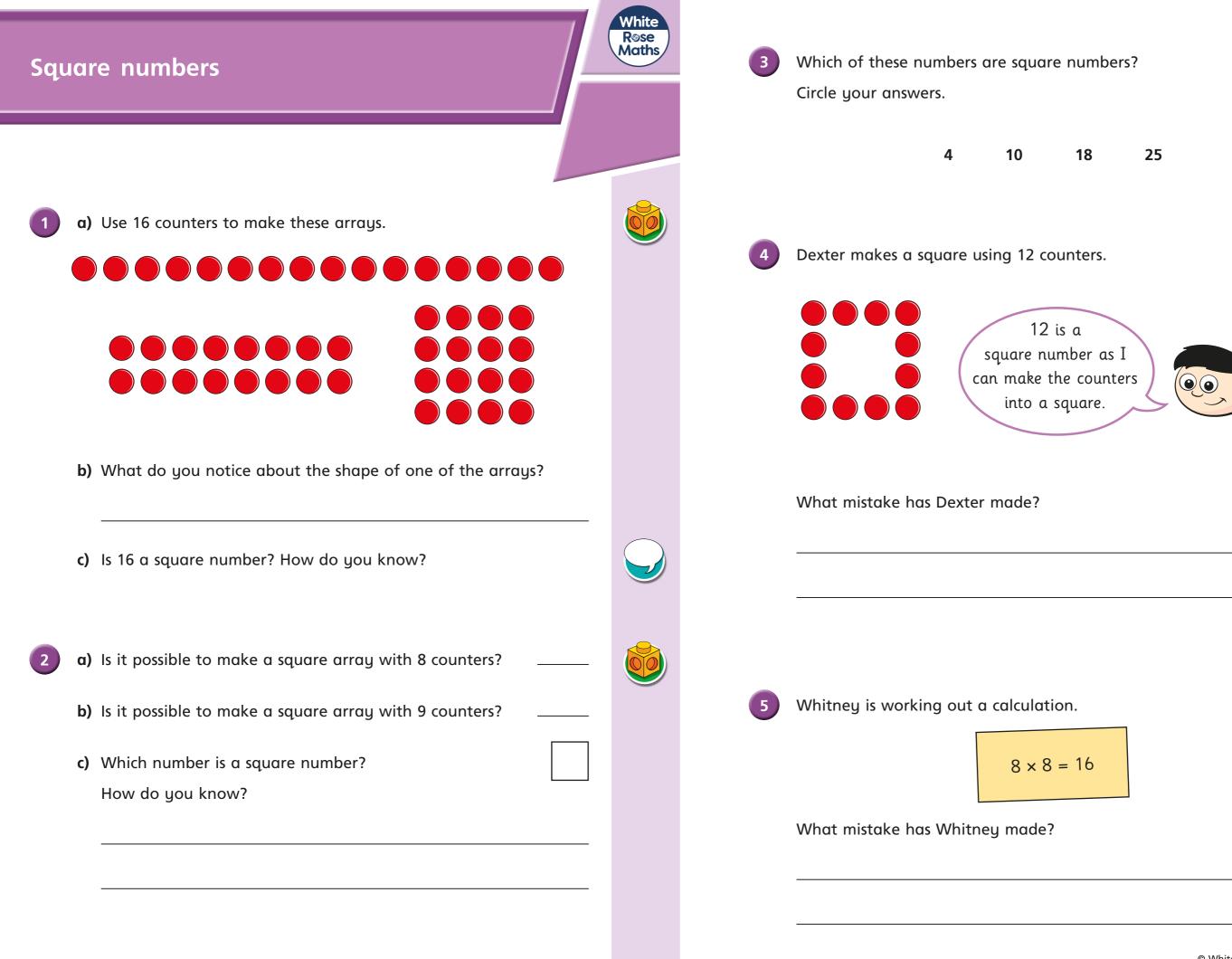
r.

and a factor of 48











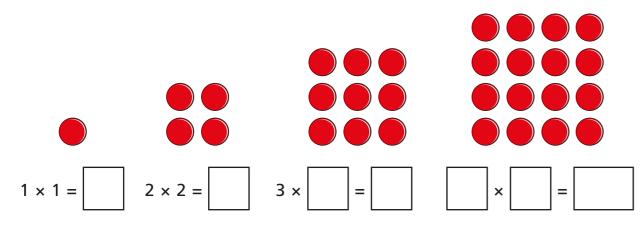


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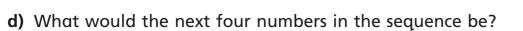
The arrays below show a sequence.

6

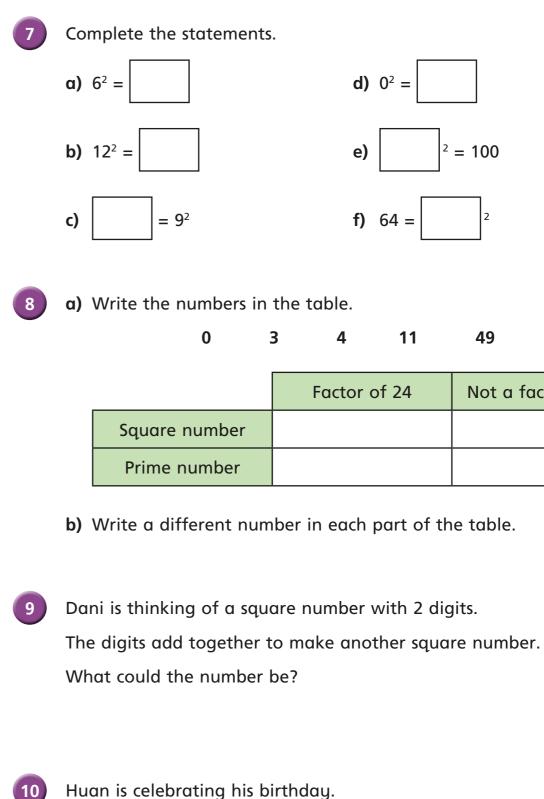
a) Complete the number sentences. Use the arrays to help you.



- **b)** What do these numbers have in common?
- c) Draw the next two numbers in the sequence and write a number sentence for each.







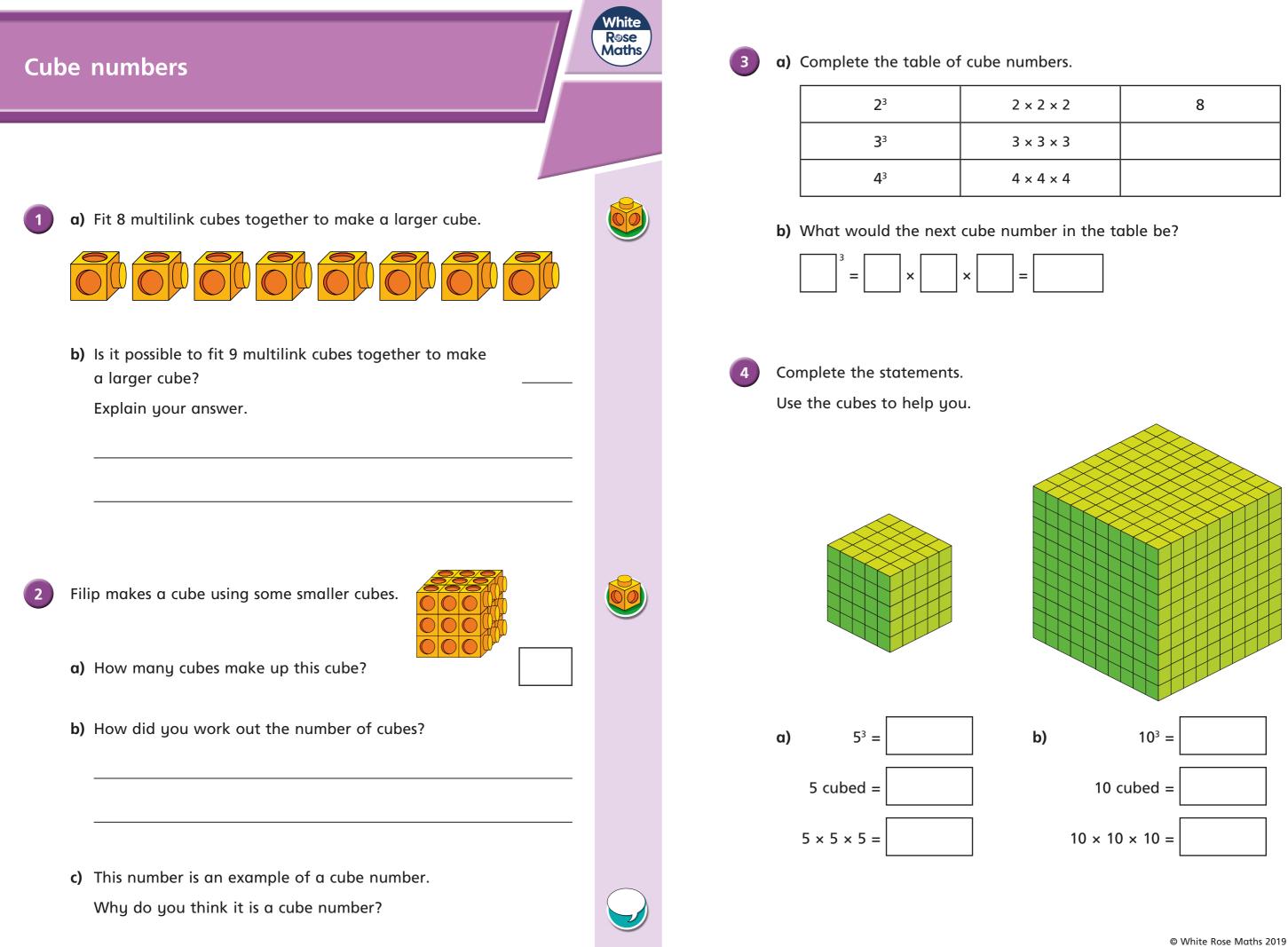
Huan is celebrating his birthday. His age is a square number. Last year he was a multiple of 12 Next year he will be a multiple of 10 How old is Huan?

tor of 24	Not a factor of 24









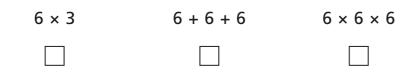
2 × 2 × 2	8
8 × 3 × 3	
× 4 × 4	





a) Which calculation is the same as 6³?

Tick your answer.



b) Kim has worked out 6³ using this method.

$$6^{3} = (6 \times 6) \times 6$$

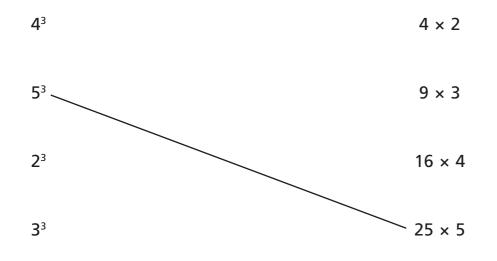
= 36 × 6
= 216
$$30 \qquad 6$$

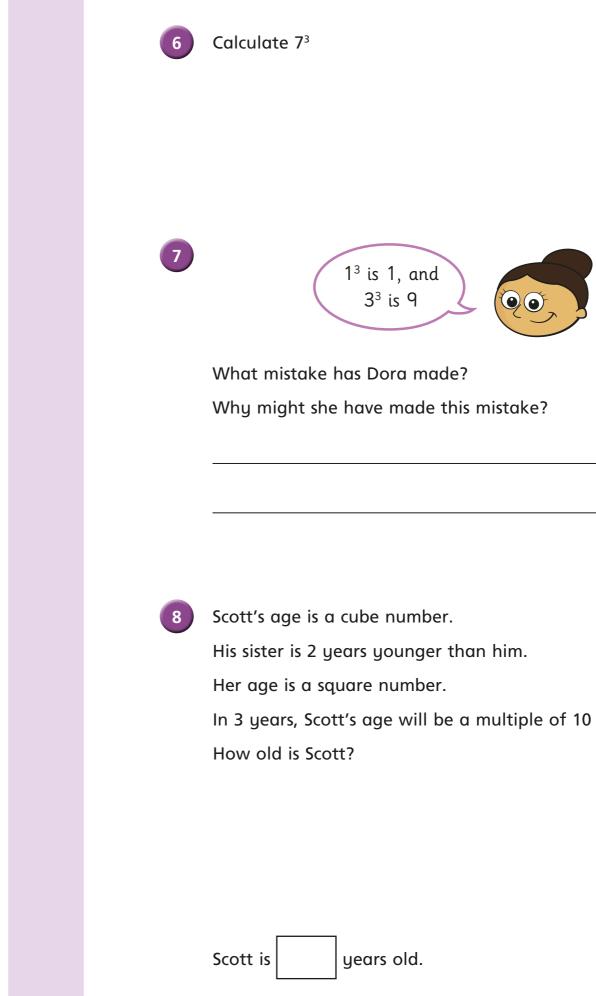
6 30 × 6 = 180 6 × 6 = 36
180 + 36 = 216

Is Kim's method correct?

How do you know?

c) Match the cube numbers to the calculations. One has been done for you.

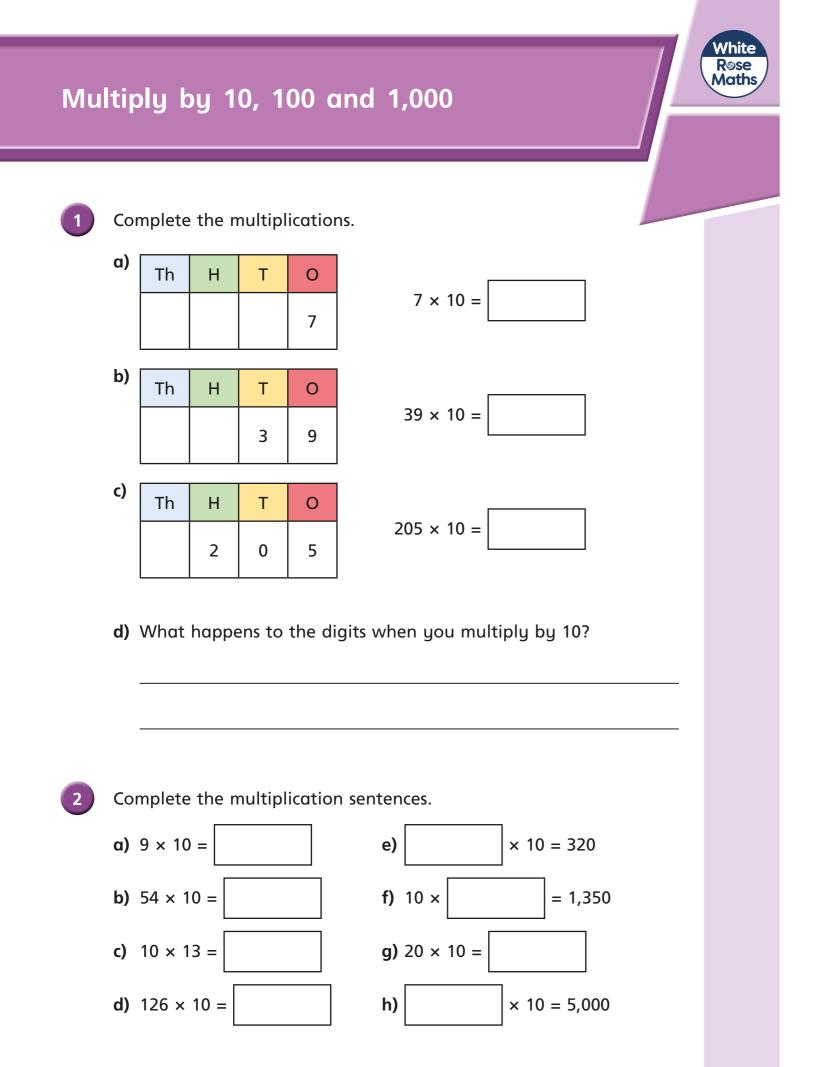












Multiply each number by 100 and then by 1,000

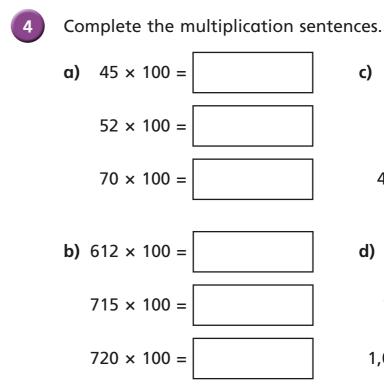
3

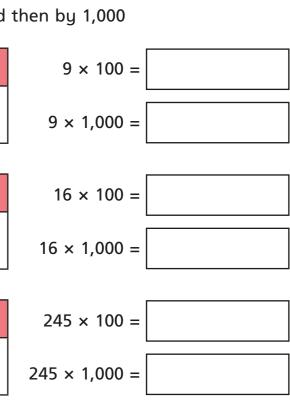
a)	HTh	TTh	Th	Н	Т	0
						9

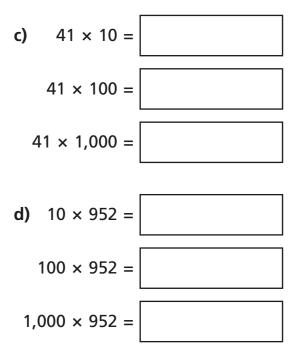
b)	HTh	TTh	Th	Н	Т	0
					1	6

c)	HTh	TTh	Th	Н	Т	0
				2	4	5

d) Explain to a partner how you multiply a number by 100 Ask them to explain how to multiply by 1,000





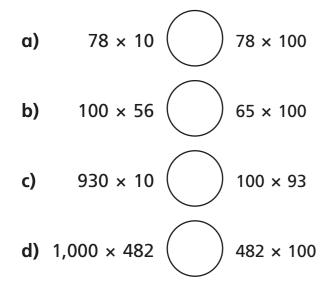


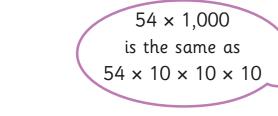




6

Write >, < or = to make the statements true.

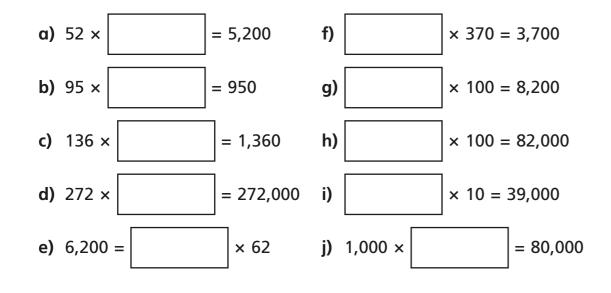




Is Rosie correct?

Explain how you know.

Complete the multiplication sentences.



Ron and Dani have paper rounds. 8 Ron delivers 75 papers a month. Dani delivers 10 times as many papers a month as Ron. How many papers do they deliver altogether?

9

Mrs Hall owns a bookshop.

- In January, she sold 145 books.
- In February she sold 10 times as many books.

• In March she sold 10 times as many books as in February. How many books did Mrs Hall sell in March? Show your workings.

Compare answers with a partner.

10

Amir thinks of a number. He multiplies it by 100 The answer has the same digit in the thousands and

hundreds columns.

The total of all the digits is 8 What could the number be?



papers

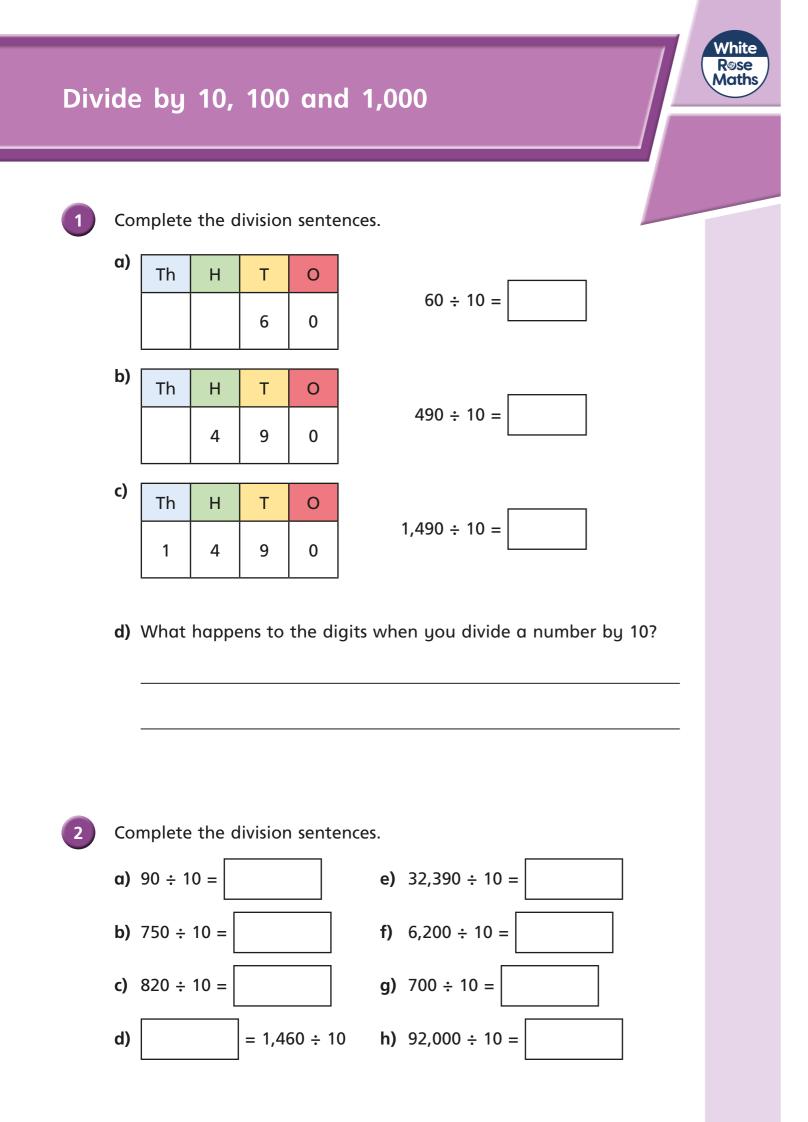




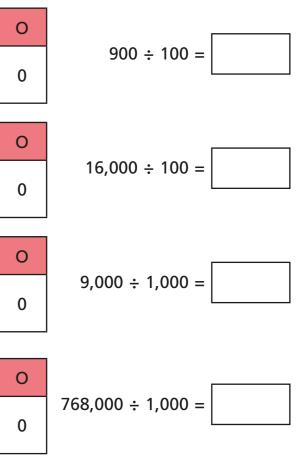


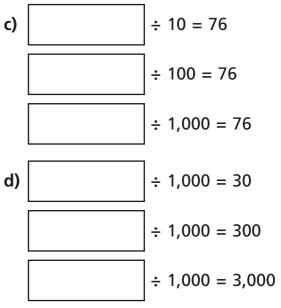






Complete the divisions. 3 a) TTh Th Н HTh Т 0 900 ÷ 100 = 9 0 0 b) TTh Th HTh | Н Т 0 $16,000 \div 100 =$ 6 0 1 0 0 **c)** HTh Th TTh 0 Н Т 9,000 ÷ 1,000 = 9 0 0 0 d) HTh TTh Th Н Т 0 768,000 ÷ 1,000 = 6 7 8 0 0 0 Explain to a partner how to divide a number by 100 4 Ask them to explain to you how to divide a number by 1,000 Complete the division sentences. 5 **a)** 4,500 ÷ 10 = **c)** $62,000 \div 10 =$ 739,300 ÷ 10 = **b)** 4,500 ÷ 100 = **d**) 62,000 ÷ 100 = 739,300 ÷ 100 =



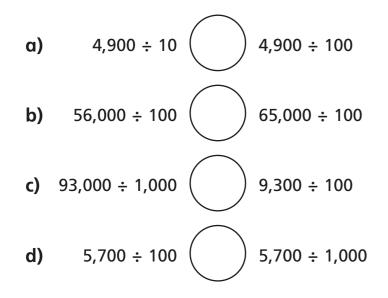


Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000			
	7,200		
		3,500	



Write >, < or = to make the statements true.





Complete the sentences.

a) Dividing a number by 10 and then by 10 again is the same as

b) Dividing a number by 1,000 is the same as dividing by 10

and then _____

Compare answers with a partner.

- In 2019, 568,000 houses were built. 9 In 2018, 10 times fewer houses were built. In 2017, 100 times fewer houses were built.
 - a) How many houses were built in 2018?

b) How many houses were built in 2017?

c) How many houses were built between 2017 and 2019?

10

Alex is thinking of a number. She divides it by 100

The answer has one more in the hundreds column than in the tens column.

The total of the digits is 15

What could the number be?

How many different answers can you find?

