

6

FOUR OPERATIONS (B)

White
Rose
Maths



From White Rose Maths schemes for Year 6 Autumn Term
BLOCK 2 - FOUR OPERATIONS (B)

- 1 Circle all the square numbers.

1 2 15 64 134

- 2 Tick the cards that are common factors of 12 and 20

6

5

60

2

4

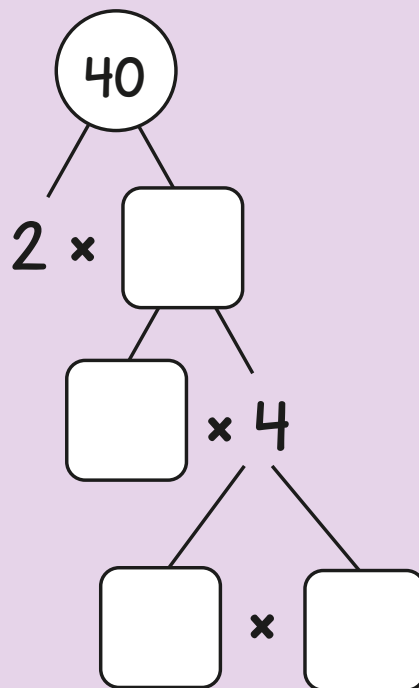
- 3 Use the fact that $20 \div 4 = 5$ to complete the divisions.

$$200 \div 4 = \square$$

$$204 \div 4 = \square$$

$$\square \div 4 = 0.5$$

- 4 Complete the prime factor tree.



- 5 Which two calculations give the same answer?

A

$$8 + 2 \times 6$$

B

$$(8 + 2) \times 6$$

C

$$8 + (2 \times 6)$$

_____ and _____

- 6 Tick the card that has the greatest value.

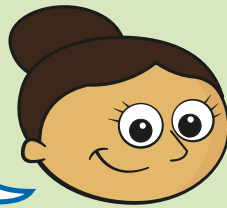
$$12^2$$

$$6^3$$

7

Dora thinks of a positive whole number.

It is an
odd number less
than 20



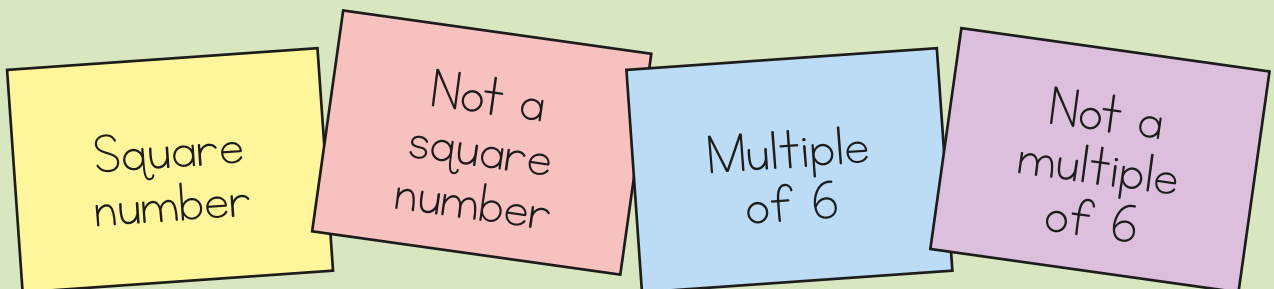
It is one
more than a multiple
of 7

Is Dora's number prime? _____

Explain your reasoning.

8

Complete the table by putting the cards in the correct place. One has been done for you.



	36 144	12 24 60 30
Not a multiple of 6	64 16 100 25	13 46 35

- 9 Work out the missing numbers.

$$2 \times 2 + 4 \times \square = 24$$

$$2 \times (2 + 4) \times \square = 24$$

- 10 Jack uses these digit cards.

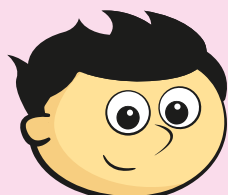
5

2

9

6

- ✿ He makes a 3-digit number and a 1-digit number.
- ✿ He multiplies them together.



The answer is an odd number.

What could the multiplication be?

$$\square \square \square \times \square$$

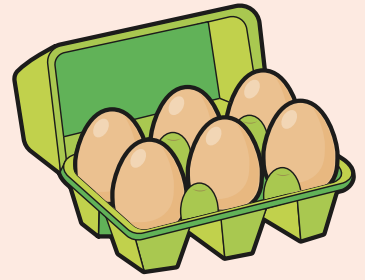
11

Alex has 4 boxes of eggs.

There are 6 eggs in each box.

She takes two eggs out of each box.

Circle the calculation that shows the total number of eggs in the boxes now.



$$(4 \times 6) - 2$$

$$4 \times (6 - 2)$$

$$4 \times 6 - 2$$

12

Work out 78^2

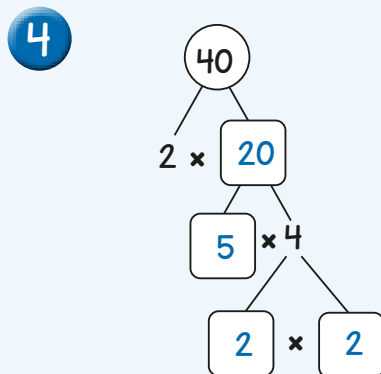
Answers



1 (1) (64)

2 2 4

3 $200 \div 4 = 50$
 $204 \div 4 = 51$
 $2 \div 4 = 0.5$



5 A and C

6 6^3

7 No

Dora's number is 15, which is not a prime number.

8

	Square number	Not a square number
Multiple of 6	36 144	12 24 60 30
Not a multiple of 6	64 16 100 25	13 46 35

9 $2 \times 2 + 4 \times 5 = 24$
 $2 \times (2 + 4) \times 2 = 24$

10 629×5 269×5
 265×9 625×9

11 $4 \times (6 - 2)$

12 6,084