

Name _____

- 1 Circle all the square numbers.

1 2 10 49 144

☐

2 marks

- 2 Tick the cards that are common factors of 12 and 18

6

9

36

2

4

☐

1 mark

- 3 Use the fact $12 \div 4 = 3$ to complete the missing numbers.

$$120 \div 4 = \square$$

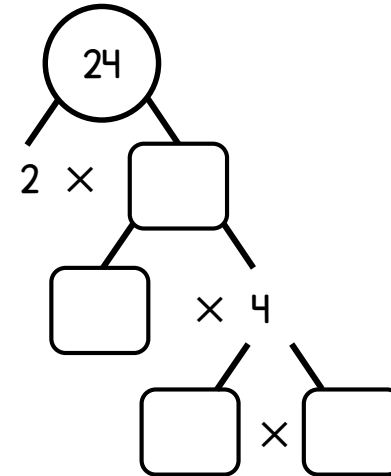
$$124 \div 4 = \square$$

$$\square \div 4 = 0.3$$

☐

3 marks

- 4 Complete the prime factor tree.


☐

2 marks

- 5 Which two calculations give the same answer?

A $6 + 4 \times 7$

B $(6 + 4) \times 7$

C $6 + (4 \times 7)$

_____ and _____

☐

1 mark

- 6 Tick the card that has the greatest value.

10^2

3^3

5^3

☐

1 mark

- 7 Dora thinks of a positive whole number.
She says,
- It is an odd number less than 30
 - It is one more than a multiple of 11
- Is her number prime?
Explain your reasoning.

- 8 Complete the table by putting the labels in the correct place.

A Square number **C** Multiple of 6
B Not a square number **D** Not a multiple of 6

	36 144	6 24 60 18
D	9 16 100 25 49	7 15 31

- 9 Work out 89^2

- 10 Harry uses these digit cards.



- He makes a 3-digit number and a 1-digit number.
- He multiplies them together.
- His answer is odd.

What could the multiplication be?



- 11 Alex has 3 boxes of eggs.
There are 6 eggs in each box.
He takes one egg out of each box.
Circle the calculation that shows the total number of eggs in the boxes now.

$(3 \times 6) - 1$ $3 \times (6 - 1)$ $3 \times 6 - 1$

- 12 Work out the missing numbers.

$2 \times 3 + 4 \times \square = 70$

$2 \times (3 + 4) \times \square = 70$

Circle how confident you feel with four operations.

1 2 3 4 5
Not Very
confident confident