Olifant Elementary	Cambridge Primary Mathematics	Name:	
	Grade 6 17-21 August 2026	Class:	Score:

References: CPM Learner's book, pp. 27-34; CPM Workbook, pp. 26-35; Cambridge Go Teacher's resources; CPM Learner's book - Glossary, p. 254, 256, 257, 261

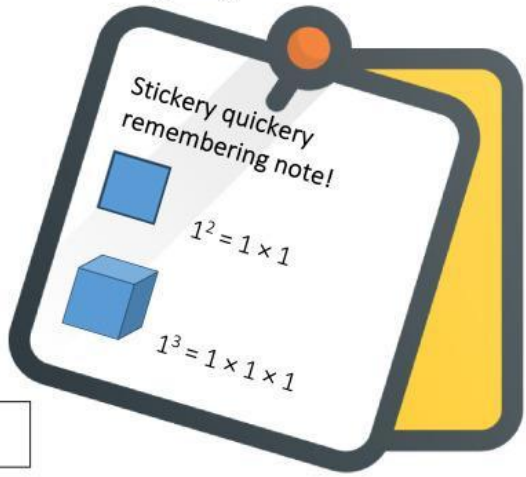
FOCUS

1 Use each of the digits 1, 3, 4, 5, 6 and 8 **once** to make the following 2-digit numbers.
One has been done for you.

A square number: ☐☐

A cube number: ☐☐

a multiple of 5: ☐ 5



2 Calculate.

a 7^2 = ☐ b 5^3 = ☐

c 8^2 = ☐ c 2^3 = ☐

3 Draw a ring around the expressions that are equal to 8^2.

$8 + 2$ 8×8 $8 + 8$ 8×2

$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$

4 Find all the common **factors** of these numbers.

a 6 and 8

.....

b 8 and 12

.....

5 Dolores is thinking of a number.
She says:

'My number is a multiple of 3. My number is a multiple of 7.'

Tick the number that Dolores could be thinking of.

10	27	21	72
☐	☐	☐	☐

PRACTICE

1 Calculate.

a $1^2 \times 1$ = ☐

b 5×5^2 = ☐

c 3×3^2 = ☐

c $4^2 \times 4$ = ☐

What do you notice about all your answers?

.....

2 Write a **2-digit** number **less than 100** in each section of this Carroll diagram.

	Odd	Not odd
Cube number		
Not a cube number		

3 Look at this set of numbers.

17 20 25 36 72

a Which two of numbers are **factors** of 100?

☐ , ☐

b Which two numbers are **multiples** of 4 and 9?

☐ , ☐

CHALLENGE

1 A light flashes every 3 minutes and a bell rings every 8 minutes.
If the light flashes and the bell rings **at the same time**,
How long will it be until this happens again?

.....

2 Put these **square numbers** and **cube numbers** in order of size starting with the smallest.

5^2 2^3 3^3 3^2

.....

3 Write the smallest 3-digit number that has 3 and 5 as **factors**.

H	T	O