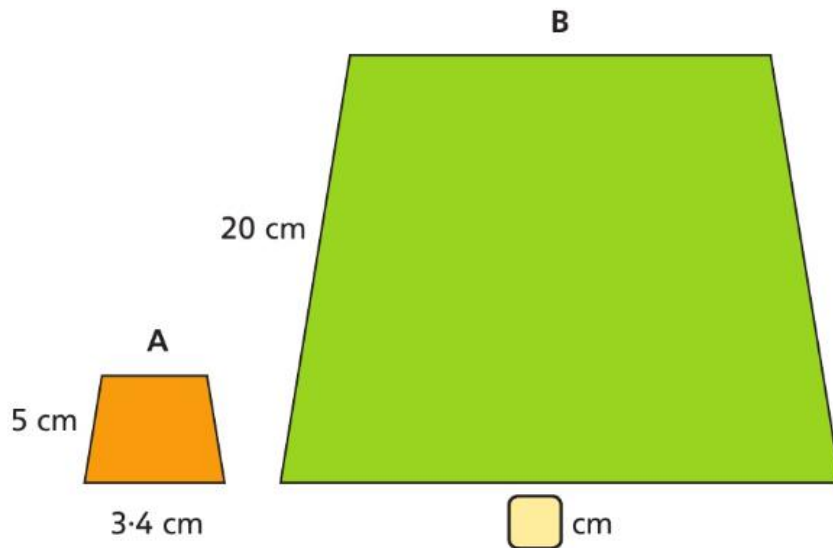


## Power Maths Unit 12 Ratio and Proportion

### End of Unit Check

- 1** On a farm, for every 1 cow there are 4 sheep.  
There are 24 cows. How many more sheep than cows are there?
- A** 4                      **B** 72                      **C** 24                      **D** 96
- 2** Max measures his goldfish. It is 12.5 cm long.  
It is five times bigger than when he bought it.  
How big was the goldfish when Max bought it?
- A** 2.5 cm                      **B** 7.5 cm                      **C** 17.5 cm                      **D** 62.5 cm
- 3** In a school, the ratio of children having a school dinner to children having a packed lunch is 2 : 3.  
There are 240 children in the school. How many have a packed lunch?
- A** 48                      **B** 96                      **C** 144                      **D** 160
- 4** On a map scale, 1 cm represents 2 m.  
Which of these statements is not true?
- A** A distance of 5 cm on the map is equal to 10 m in real life.  
**B** A distance of 1 cm on the map is equal to 200 cm in real life.  
**C** This is the same as the scale 1 : 200.  
**D** A distance of 50 m in real life is equal to 100 cm on the map.

- 5 Shape A is enlarged to create shape B.



What is the missing measurement?

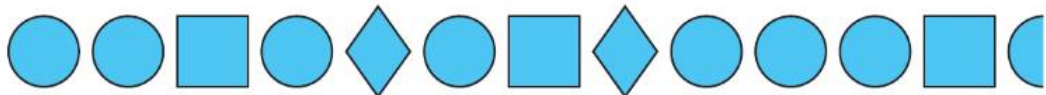
- A** 5.5 cm      **B** 6.8 cm      **C** 13.6 cm      **D** 34 cm

- 6 8 identical cubes and 5 identical spheres have a total mass of 200 g.

The mass of 4 cubes is 80 g.

What is the mass of 7 cubes and 2 spheres?

- 7 In a pattern, for every 7 circles there are 3 squares and 2 diamonds.



There are 63 circles in the pattern.

How many shapes are there altogether?