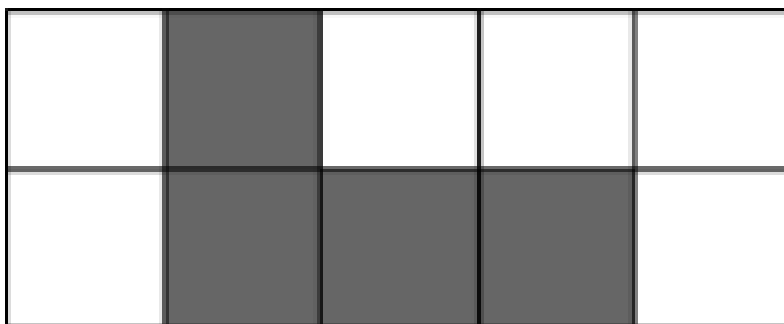


**Q1-Q2 (Percent shaded-Area-Per) Day 129** Name: \_\_\_\_\_

1. Below is a **grid** made up of **10 squares**. **Four** of these squares are **shaded**. Each square has a side of **1cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

2. Below is a **grid** made up of **10 squares**. **Six** of these squares are **shaded**. Each square has a side of **2cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

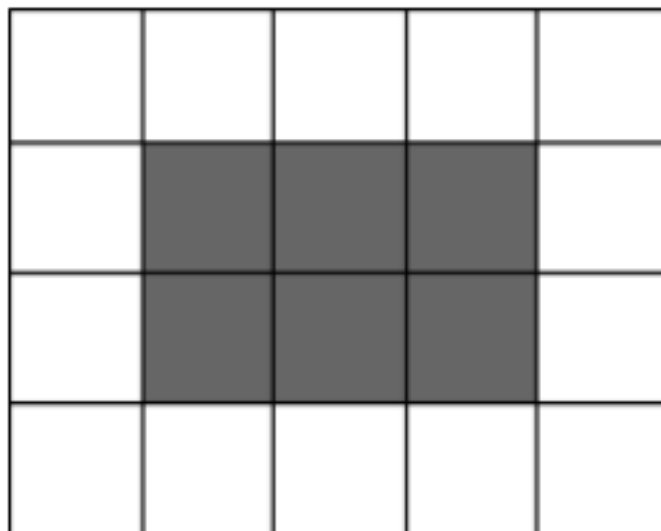
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

3. Below is a **grid** made up of **20 squares**. **Six** of these squares are **shaded**.  
**Each square has a side of 1cm.**



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

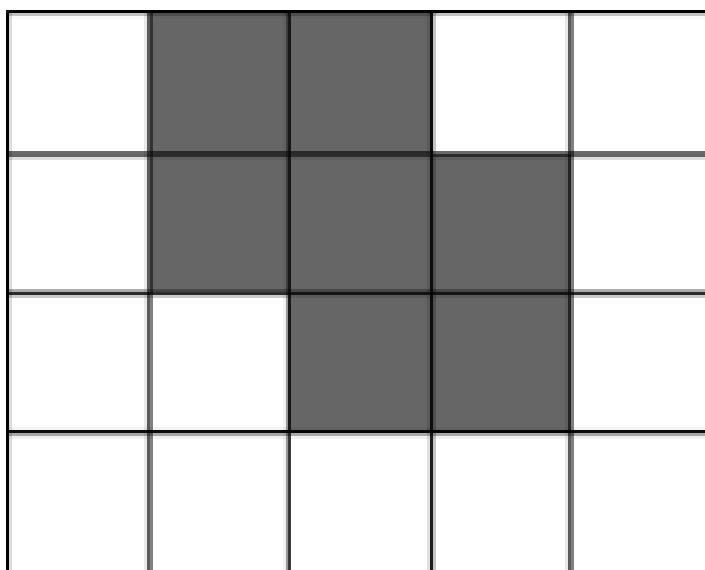
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_ cm<sup>2</sup>

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

4. Below is a **grid** made up of **20 squares**. **Seven** of these squares are **shaded**. Each square has a side of **2cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

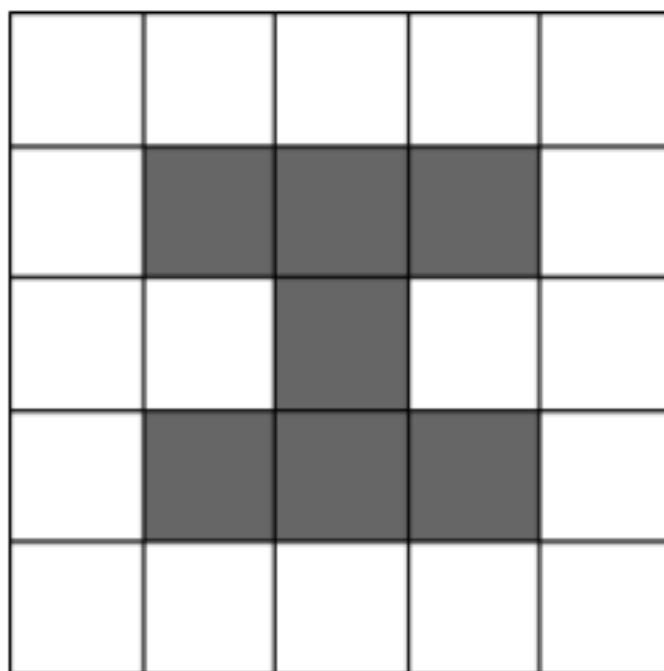
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

5. Below is a **grid** made up of 25 **squares**. **Seven** of these squares are **shaded**. Each square has a side of 1cm.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

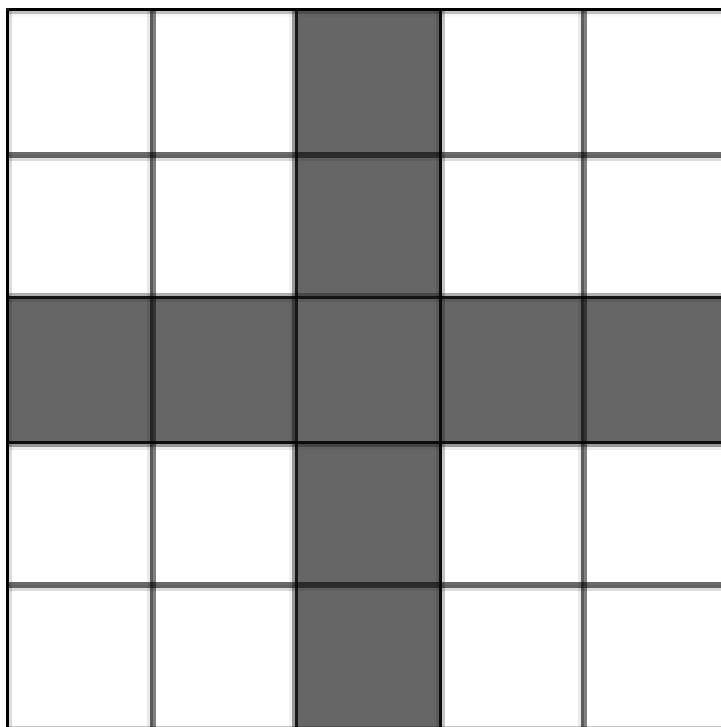
\_\_\_\_\_ %

b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_ cm<sup>2</sup>

Perimeter = \_\_\_\_\_ cm

6. Below is a **grid** made up of 25 **squares**. **Nine** of these squares are **shaded**. Each square has a side of 2cm.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

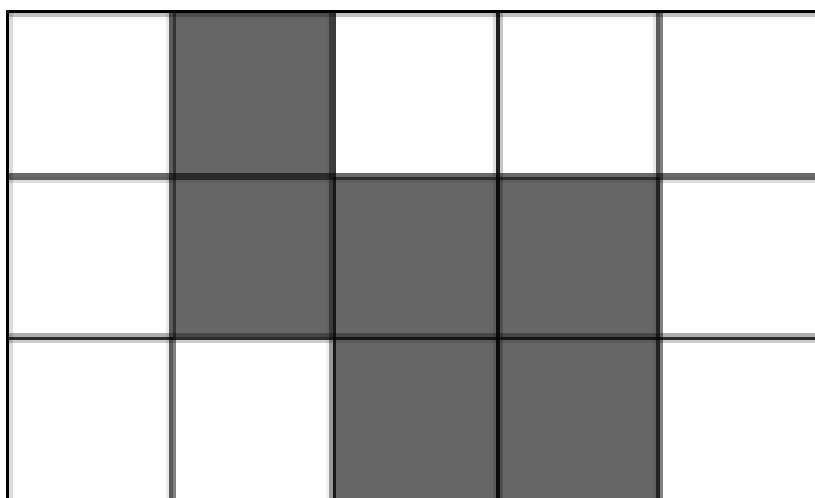
\_\_\_\_\_ %

b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_ cm<sup>2</sup>

Perimeter = \_\_\_\_\_ cm

7. Below is a **grid** made up of **15 squares**. **Six** of these squares are **shaded**. Each square has a side of **1cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

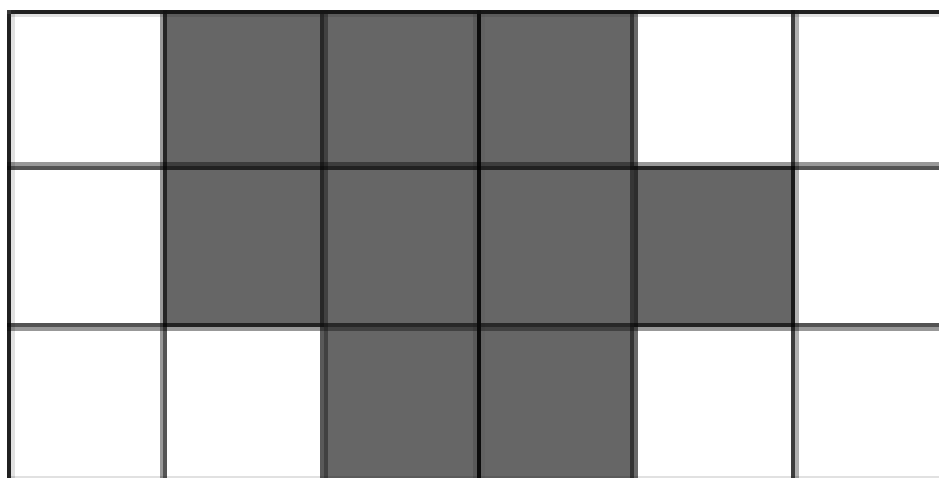
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

8. Below is a **grid** made up of **18 squares**. **Nine** of these squares are **shaded**. Each square has a side of **2cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

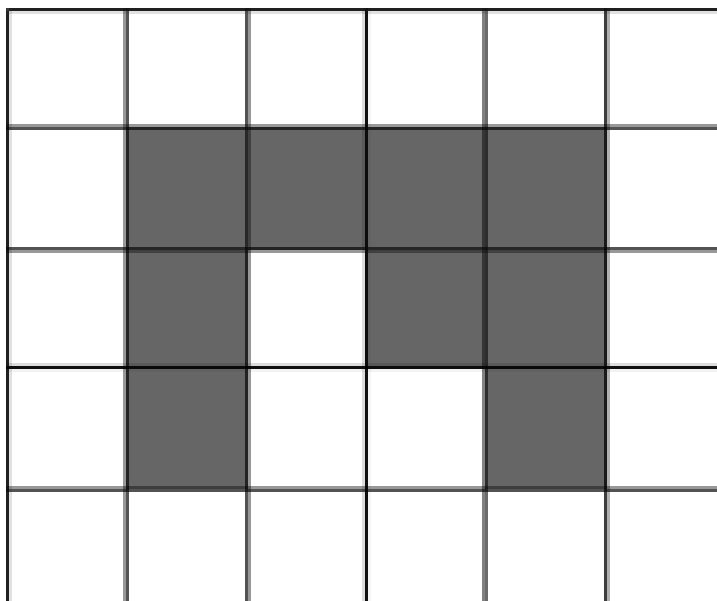
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

9. Below is a **grid** made up of **30 squares**. **Nine** of these squares are **shaded**. Each square has a side of **3cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

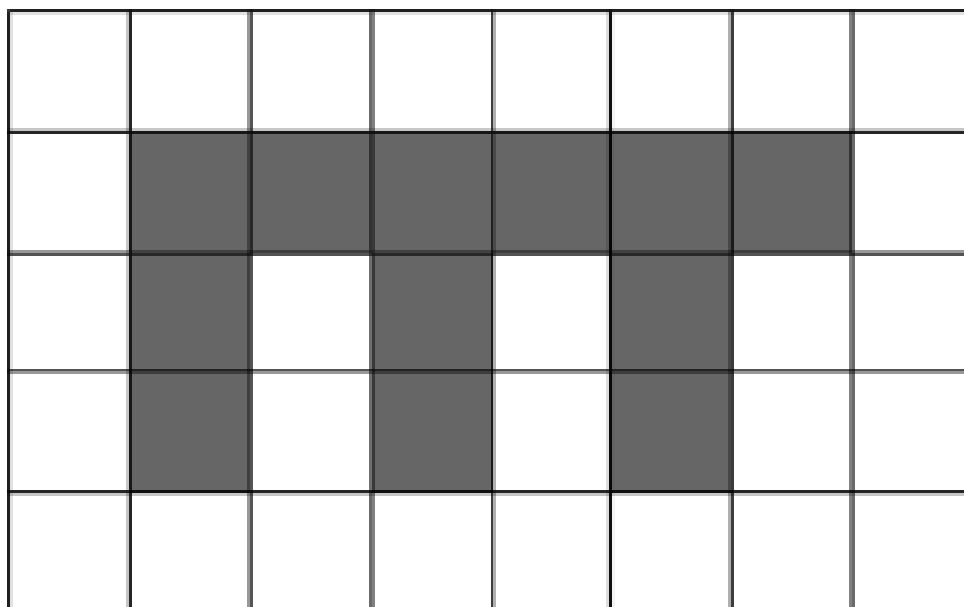
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_ cm<sup>2</sup>

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

10. Below is a **grid** made up of **40 squares**. **Twelve** of these squares are **shaded**. Each square has a side of 4cm.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

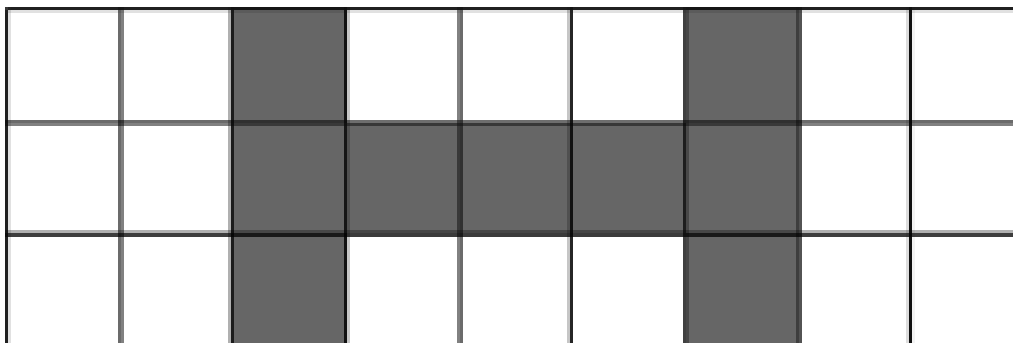
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_ cm<sup>2</sup>

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

11. Below is a **grid** made up of **27 squares**. **Nine** of these squares are **shaded**. Each square has a side of **5cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

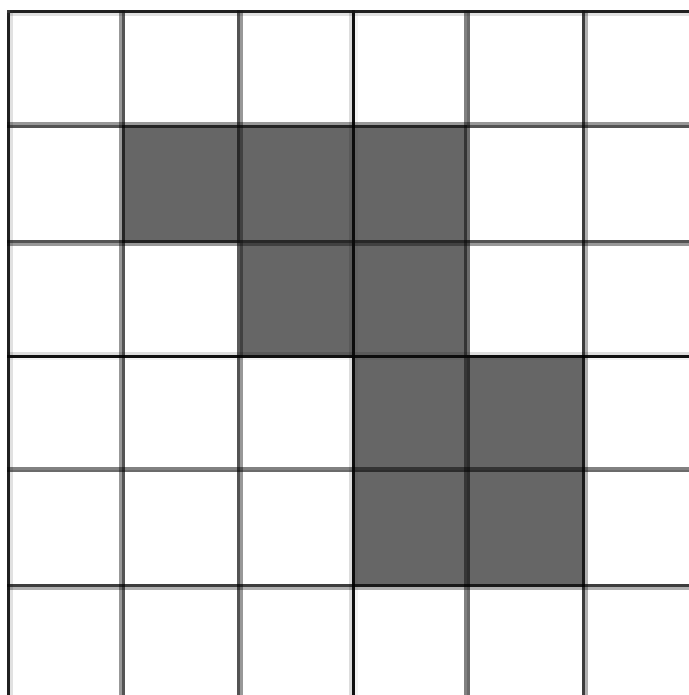
b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

\_\_\_\_\_

12. Below is a **grid** made up of **36 squares**. **Nine** of these squares are **shaded**. Each square has a side of **6cm**.



a) What **percentage** of the grid is **shaded**? Write your answer in the space below.

\_\_\_\_\_ %

b) Look again at the grid **above**. Find the **area** and **perimeter** of the **shaded shape**. Write your answers in the spaces below.

Area = \_\_\_\_\_  $\text{cm}^2$

Perimeter = \_\_\_\_\_ cm

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**Answers**

- |            |             |
|------------|-------------|
| 1. a) 40   | b) 4, 10    |
| 2. a) 60   | b) 24, 20   |
| 3. a) 30   | b) 6, 10    |
| 4. a) 35   | b) 28, 24   |
| 5. a) 28   | b) 7, 16    |
| 6. a) 36   | b) 36, 40   |
| 7. a) 40   | b) 6, 12    |
| 8. a) 50   | b) 36, 28   |
| 9. a) 30   | b) 81, 54   |
| 10.a) 30   | b) 192, 104 |
| 11.a) 33.3 | b) 225, 100 |
| 12.a) 25   | b) 324, 96  |