

Lesson
Objectives:

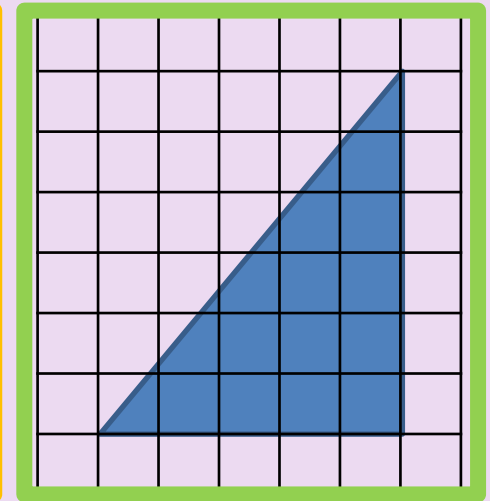
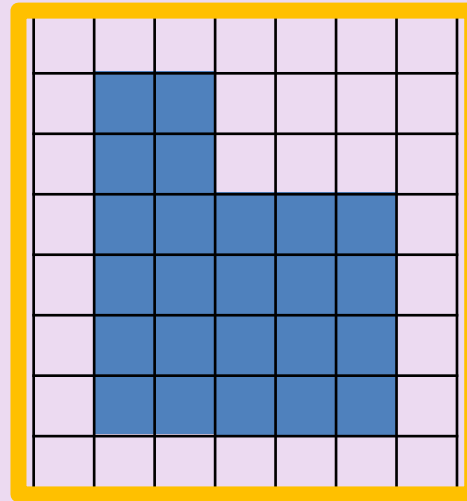
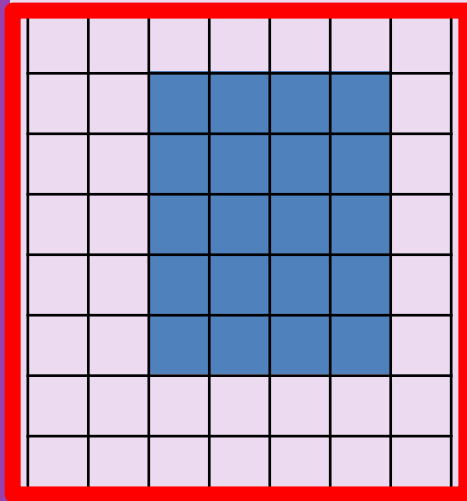
Developing students will be able to calculate area and perimeter of rectangles by counting.

Secure students will be able to calculate area and perimeter of other shapes by counting.

Excelling students will be able to calculate area and perimeter rectangles without counting squares.

Starter

Can you work out the area of each shape?
Each square is 1 cm^2 .



Keywords

Area, perimeter, length, unit, square, rectangle, triangle

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Developing students will be able to calculate area and perimeter of rectangles by counting.

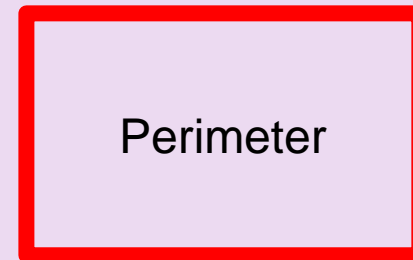
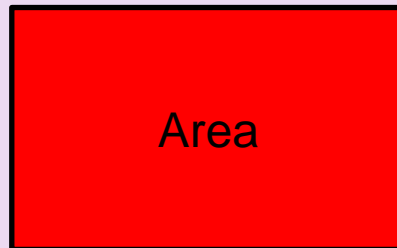
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Glossary

Area: the amount of space th shape takes up.
Measured in cm^2 , m^2 , mm^2 .

Perimeter: the distance around the edge of the shape. Measured in cm, m, mm.



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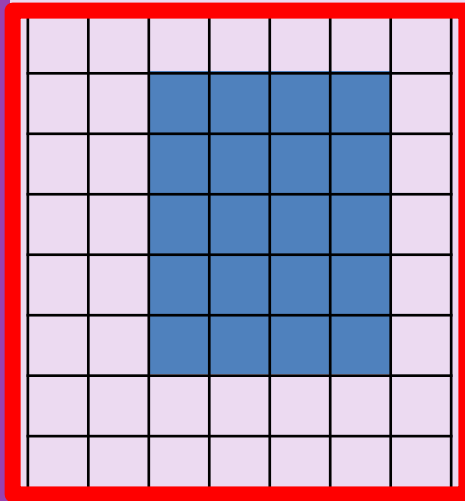
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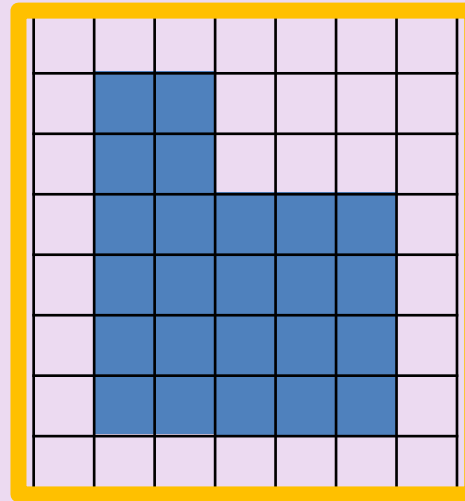
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Review

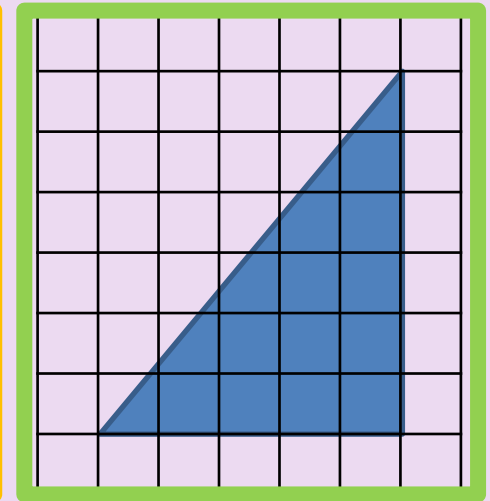
Can you work out the area of each shape?
Each square is 1 cm^2 .



20 cm^2



24 cm^2



15 cm^2

Keywords

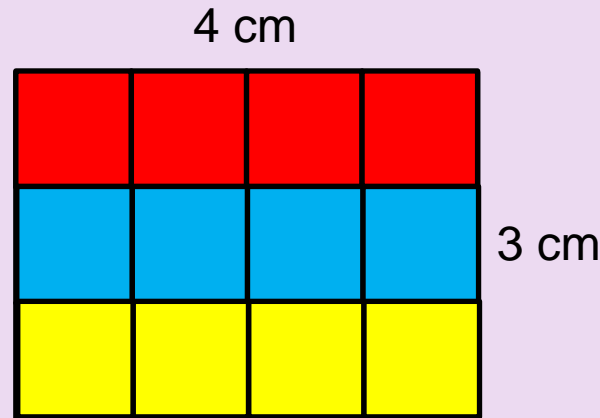
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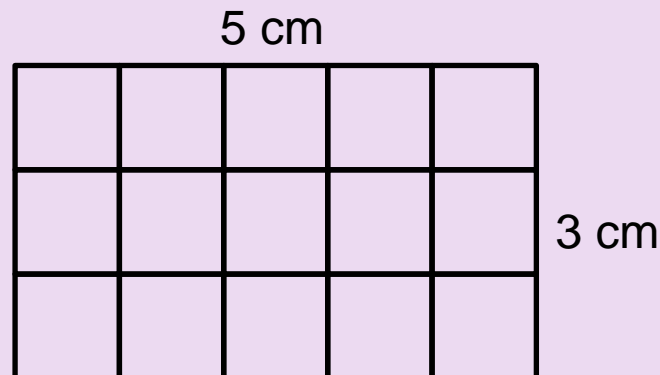
Excelling students will be able to calculate area and perimeter rectangles without counting squares.



$$\text{Area} = 12 \text{ cm}^2$$

3 lots of 4

$$3 \times 4 = 12 \text{ cm}^2$$



3 lots of 5

$$3 \times 5 = 15 \text{ cm}^2$$

Keywords

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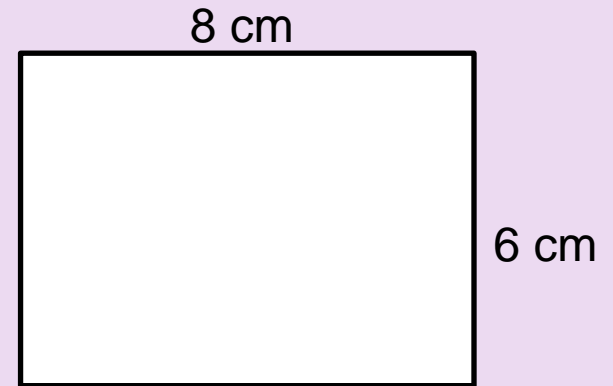
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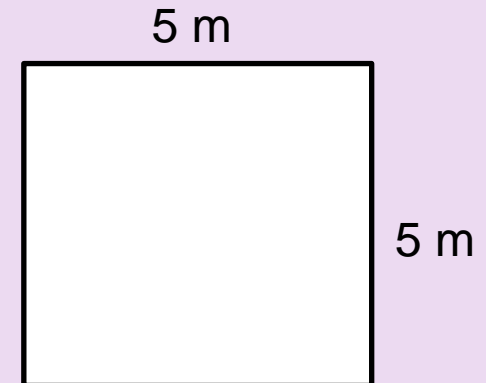
Secure students will be able to calculate area and perimeter of other shapes by counting.

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$$\begin{aligned}\text{Area} &= \\ 6 \text{ lots of } 8 \\ 6 \times 8 &= 48 \text{ cm}^2\end{aligned}$$



$$\begin{aligned}\text{Area} &= \\ 5 \text{ lots of } 5 \\ 5 \times 5 &= 25 \text{ m}^2\end{aligned}$$



Keywords

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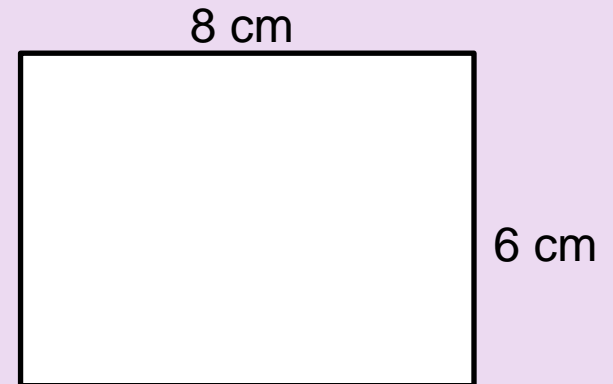
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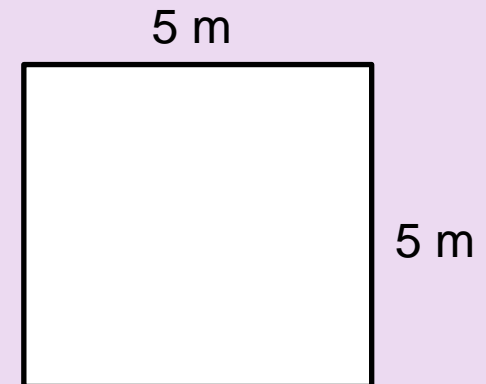
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$$\begin{aligned}\text{Perimeter} &= \\ 8 + 6 + 8 + 6 \\ &= 28 \text{ cm}\end{aligned}$$



$$\begin{aligned}\text{Perimeter} &= \\ 5 + 5 + 5 + 5 \\ &= 20 \text{ m}\end{aligned}$$



Keywords

Area, perimeter, length, unit, square, rectangle, triangle

Find the area



5 cm

6 cm

30 cm²

Find the perimeter



5 cm

1 cm

12 cm

Find the area



6 cm

9 cm

54 cm²

Find the area



3 cm

8 cm

24 cm²

Find the area



3 cm

11 cm

33 cm²

Find the perimeter

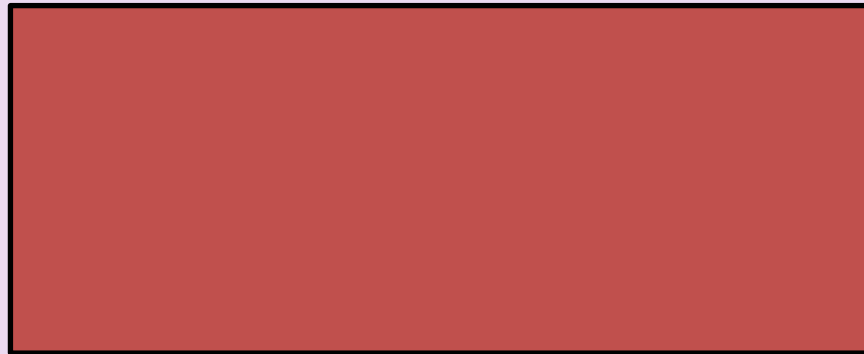


10 cm

14 cm

48 cm

Find the area

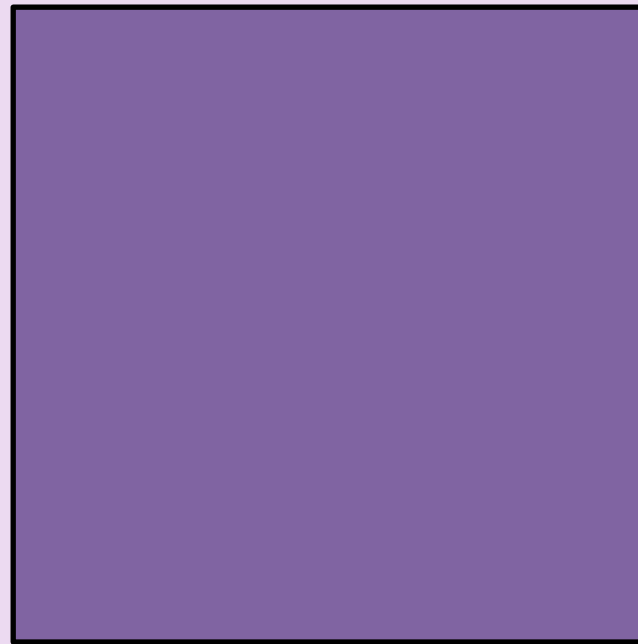


7 cm

9 cm

63 cm²

Find the area

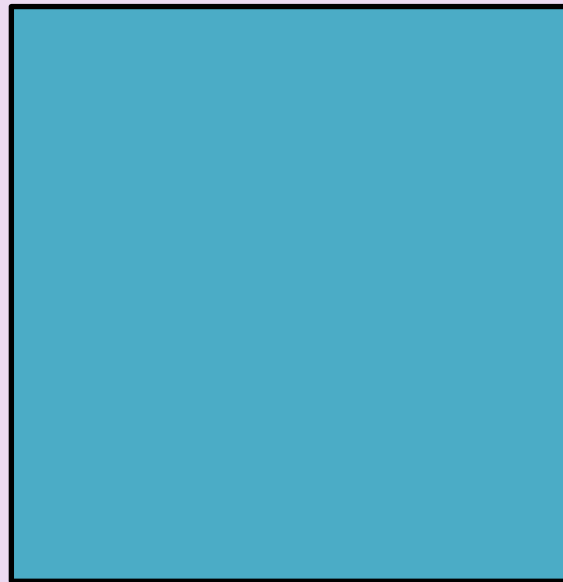


7 cm

7 cm

49 cm²

Find the perimeter

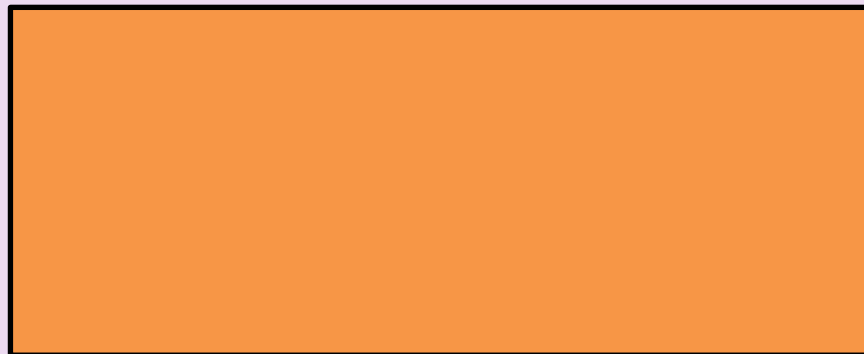


9 cm

9 cm

36 cm

Find the area

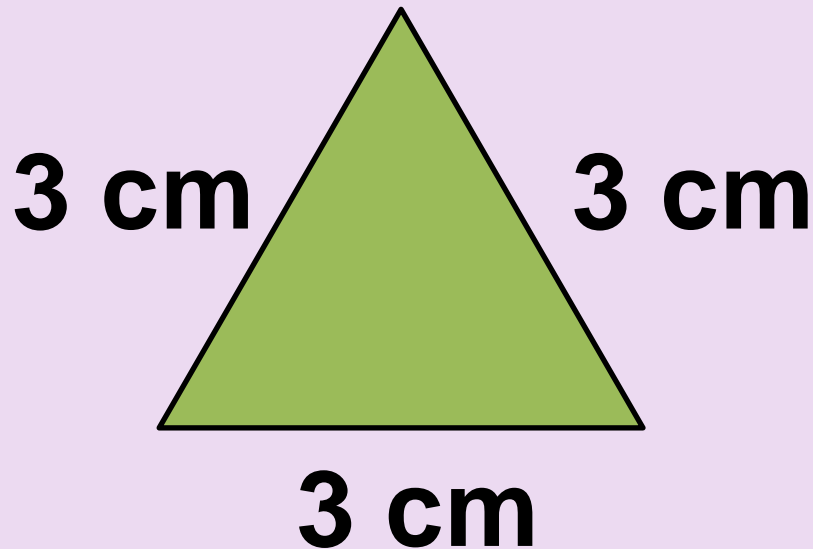


5 cm

2 cm

10 cm²

Find the perimeter



9 cm

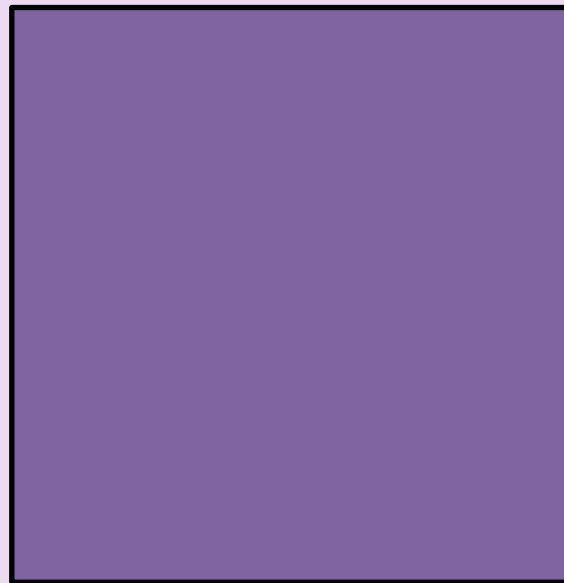
Does it
matter that
it's a
triangle?

Find the area



15 cm²

Find the perimeter

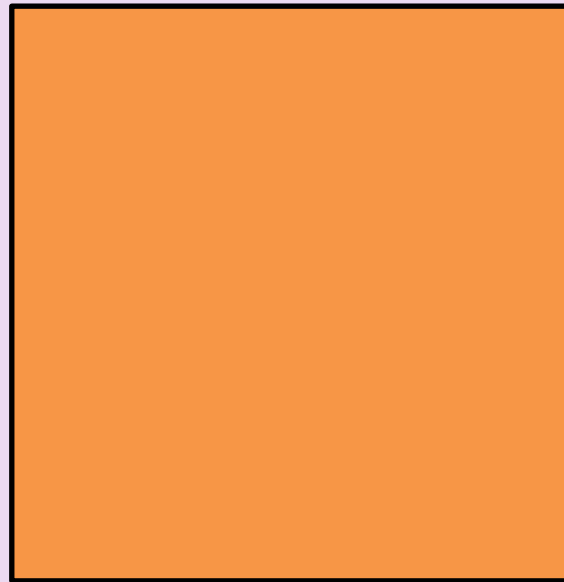


4 cm

4 cm

16 cm

Find the area



5 cm

5 cm

25 cm²

Find the area



3 cm

7 cm

21 cm²

Find the area



5 cm

11 cm

55 cm²