

UPPER PRIMARY

Beginner Maths

E-Booklet Part 3

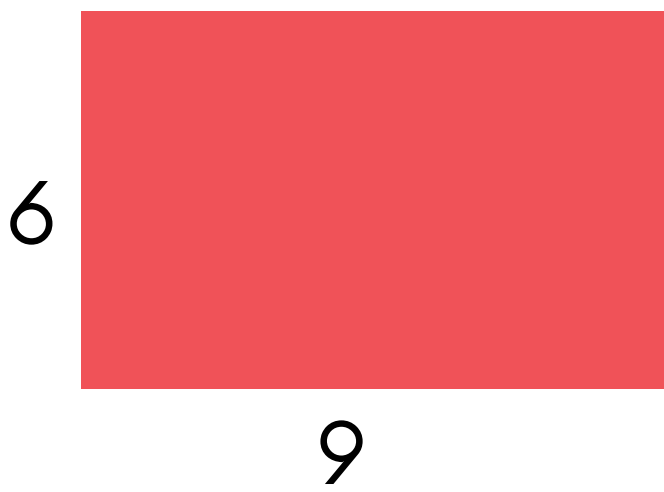


Areas of Rectangles & Squares

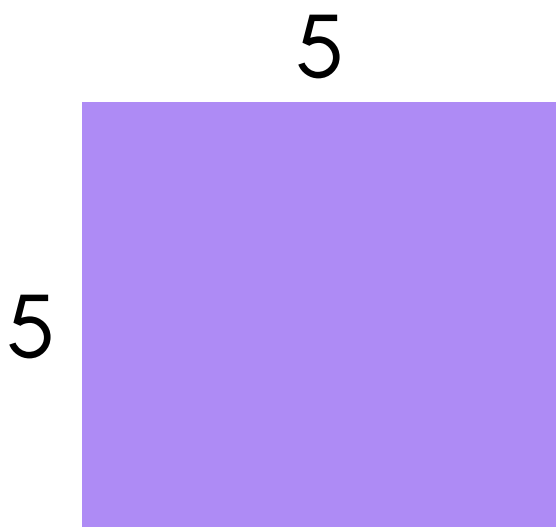
Upper Primary Beginner Maths

Find the area of each shape.

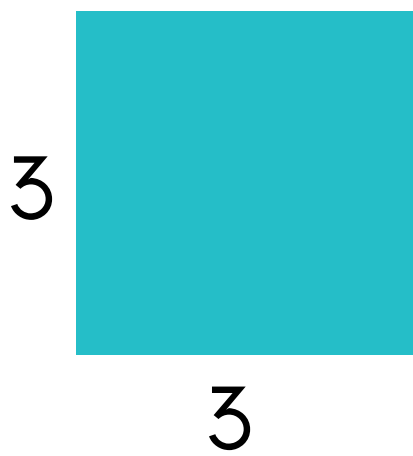
Area of rectangle = length x breadth
 Area of square = length x length (Squares have equal sides)



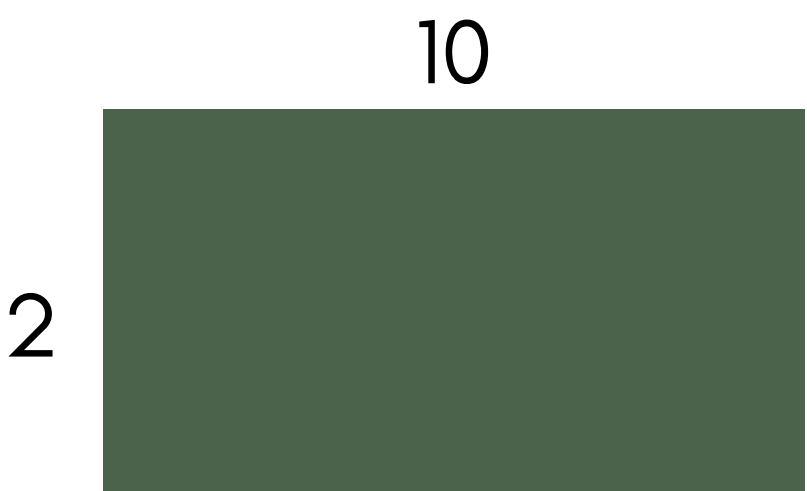
Area =



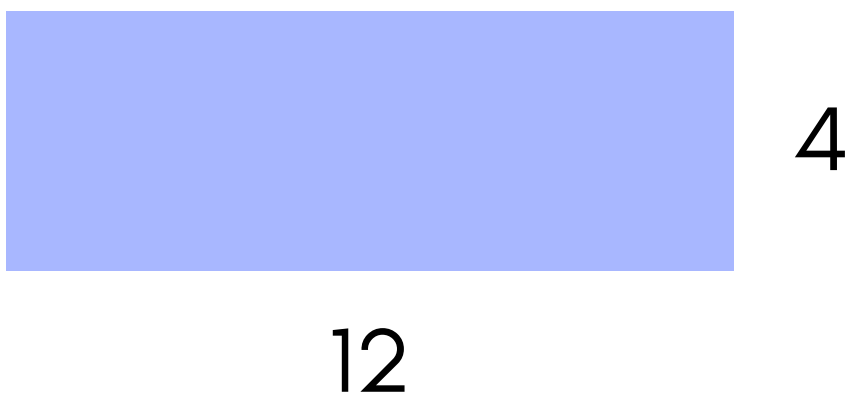
Area =



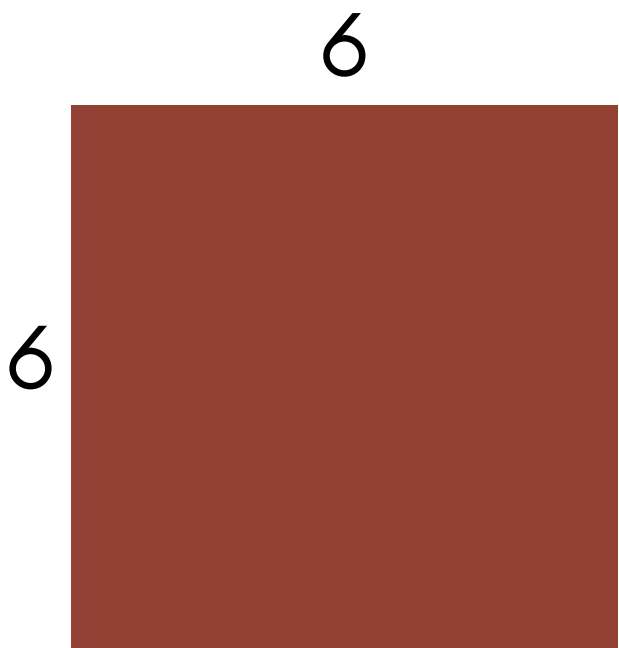
Area =



Area =



Area =



Area =

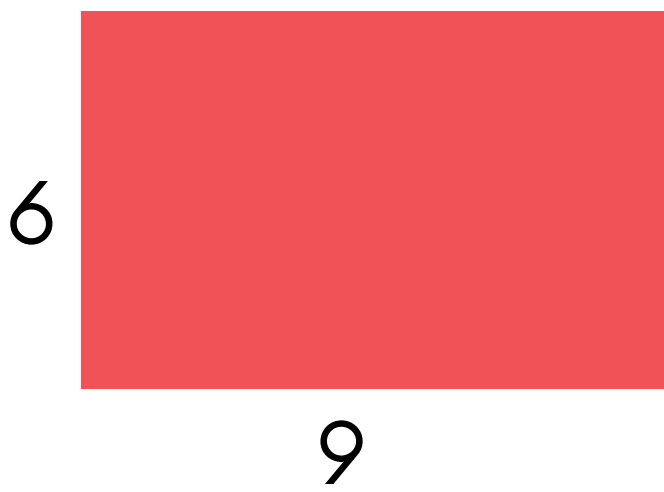


Areas of Rectangles & Squares

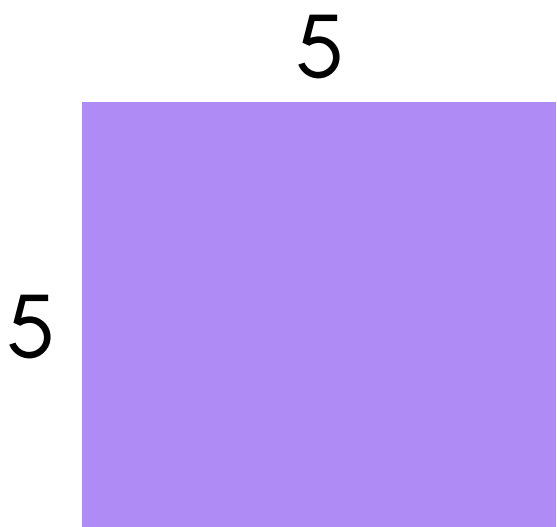
Upper Primary Beginner Maths

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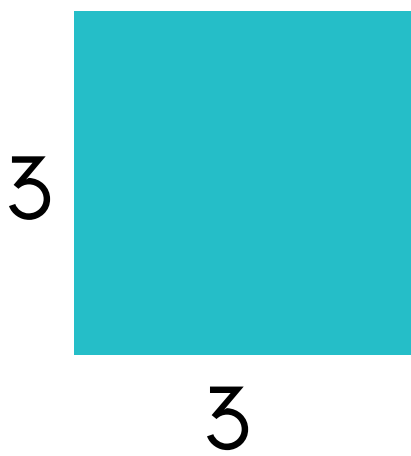
Area of rectangle = length x breadth
Area of square = length x length (Squares have equal sides)



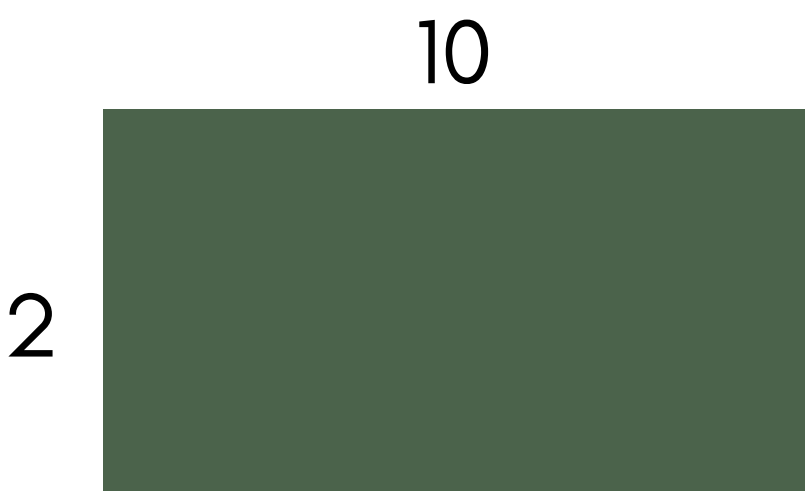
Area = 6×9
= 54 unit square



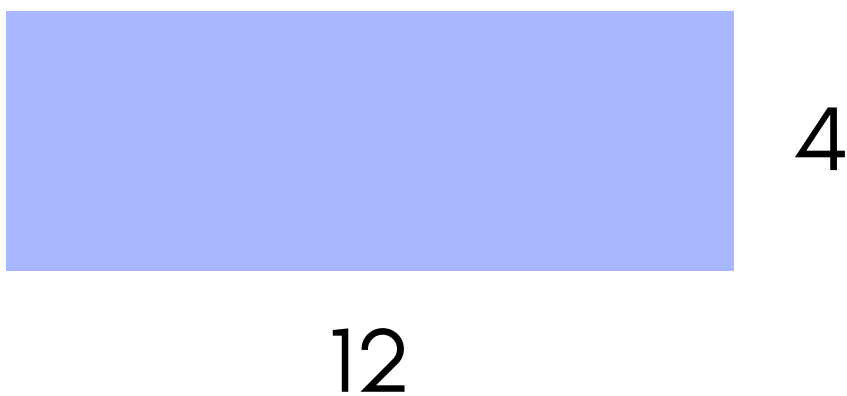
Area = 5×5
= 25 unit square



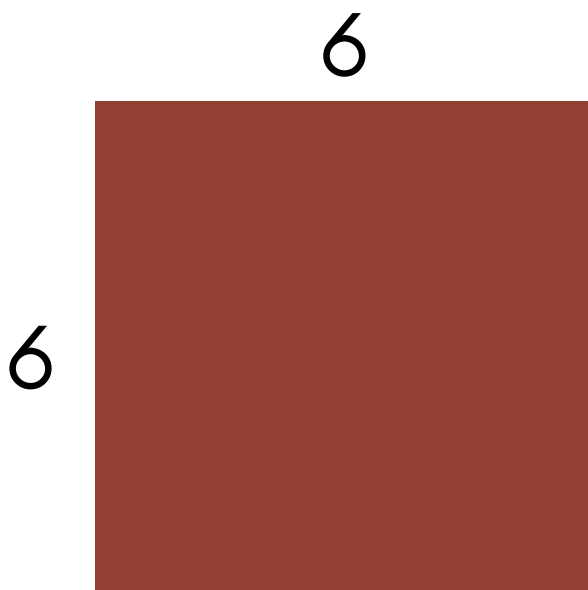
Area = 3×3
= 9 unit square



Area = 2×10
= 20 unit square



Area = 12×4
= 48 unit square



Area = 6×6
= 36 unit square

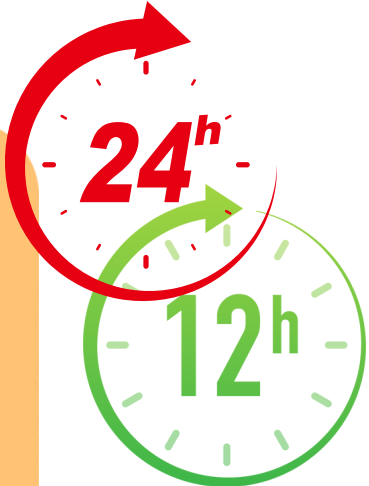


12 & 24 Hour Time

Upper Primary Beginner Maths

Convert the times below.

When transforming PM to 24-hour time, add 12 hours to the 12-hour PM format. To convert 24-hour (after 12:00) to 12-hour: Subtract 12 . For times between 1:00 AM and 11:59 AM, the hour number stays the same, just add a leading zero if needed.



12 Hour Time	24 Hour Time
2:00PM	
	15:00
4:30PM	
	20:00
9:30AM	
6:00PM	

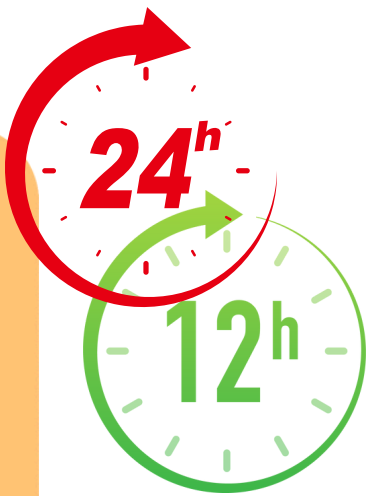


12 & 24 Hour Time - Solutions

Upper Primary Beginner Maths

Convert the times below.

When transforming PM to 24-hour time, add 12 hours to the 12-hour PM format. To convert 24-hour (after 12:00) to 12-hour: Subtract 12 . For times between 1:00 AM and 11:59 AM, the hour number stays the same, just add a leading zero if needed. in 24 hr time there is no AM or PM.



12 Hour Time	 24 Hour Time
2:00PM	14:00
3:00PM	15:00
4:30PM	16:30
8:00PM	20:00
9:30AM	09:30
6:00PM	18:00



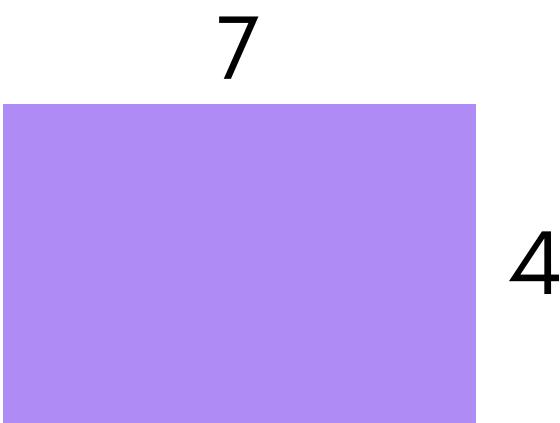
Perimeter of Rectangles

Upper Primary Beginner Maths

Find the perimeter of each rectangle.



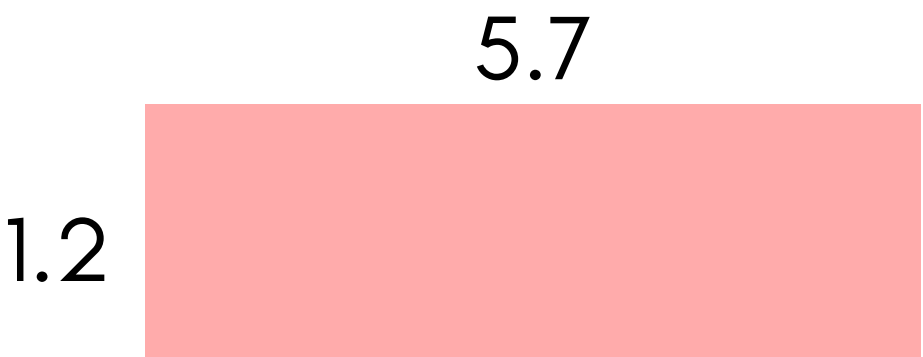
Perimeter =



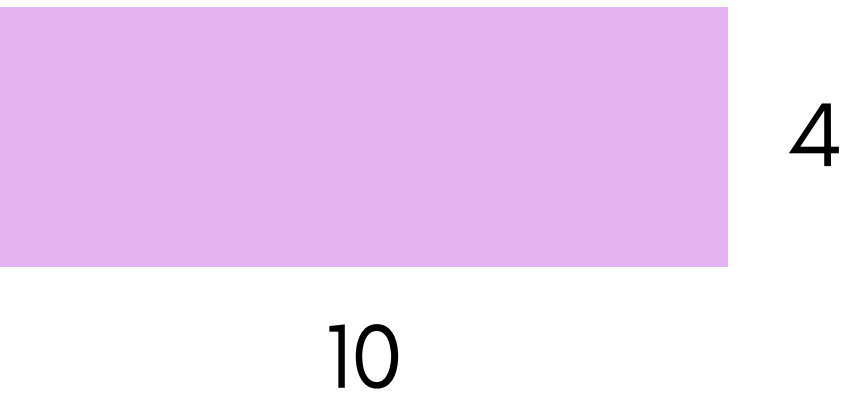
Perimeter =



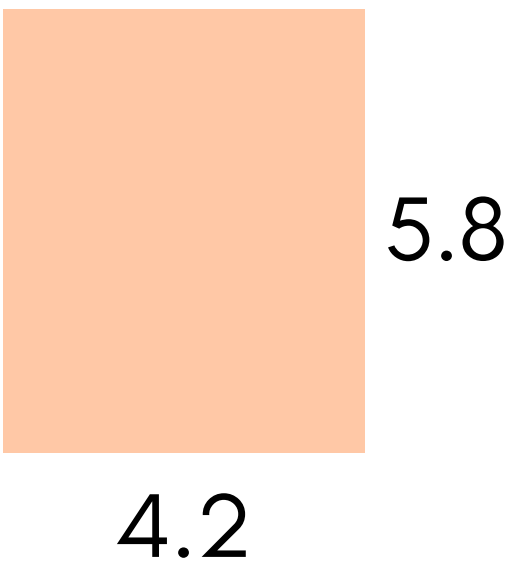
Perimeter =



Perimeter =



Perimeter =



Perimeter =



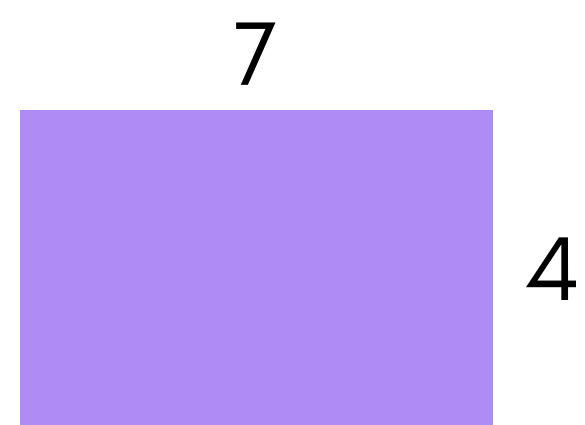
Perimeter of Rectangles - Solutions

Upper Primary Beginner Maths

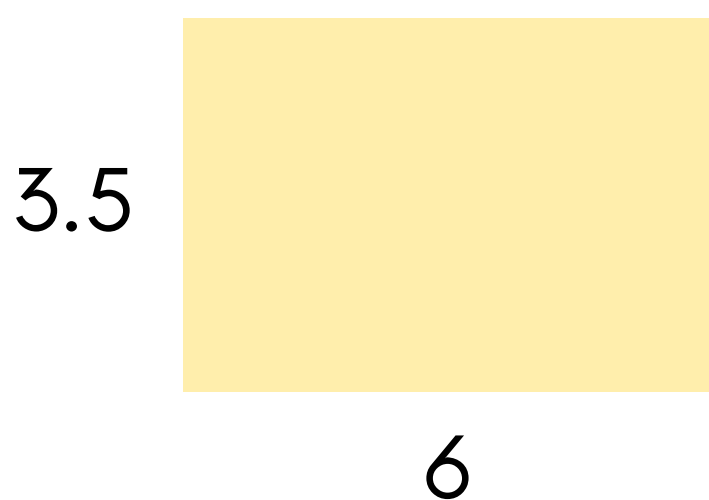
Find the perimeter of each rectangle.



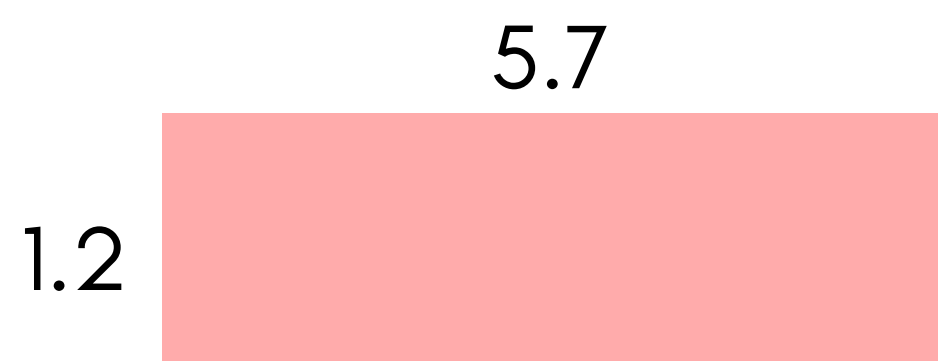
$$\begin{aligned}\text{Perimeter} &= 6+15+6+15 \\ &= 42 \text{ units}\end{aligned}$$



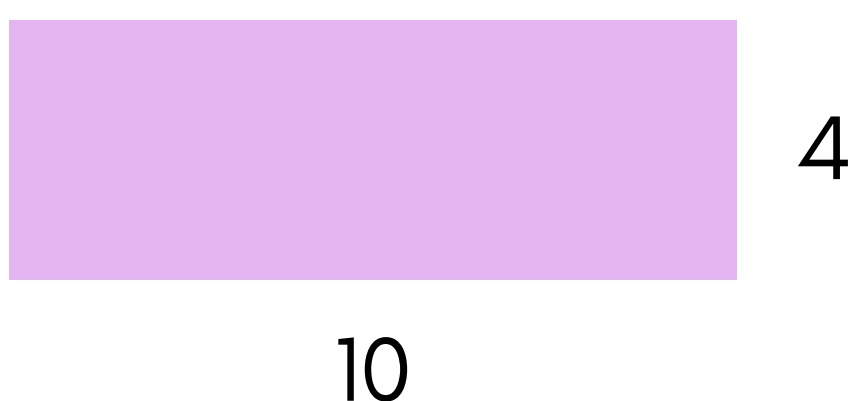
$$\begin{aligned}\text{Perimeter} &= 7+4+7+4 \\ &= 22 \text{ units}\end{aligned}$$



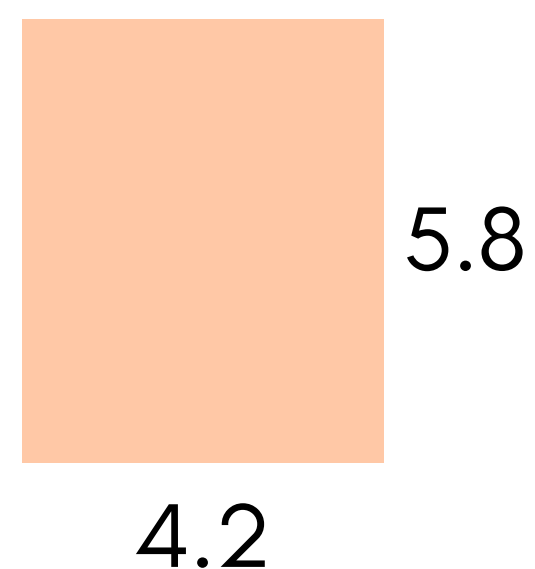
$$\begin{aligned}\text{Perimeter} &= 3.5+6+3.5+6 \\ &= 19 \text{ units}\end{aligned}$$



$$\begin{aligned}\text{Perimeter} &= 1.2+5.7+1.2+5.7 \\ &= 13.8 \text{ units}\end{aligned}$$



$$\begin{aligned}\text{Perimeter} &= 4+10+4+10 \\ &= 28 \text{ units}\end{aligned}$$



$$\begin{aligned}\text{Perimeter} &= 5.8+4.2+5.8+4.2 \\ &= 20 \text{ units}\end{aligned}$$

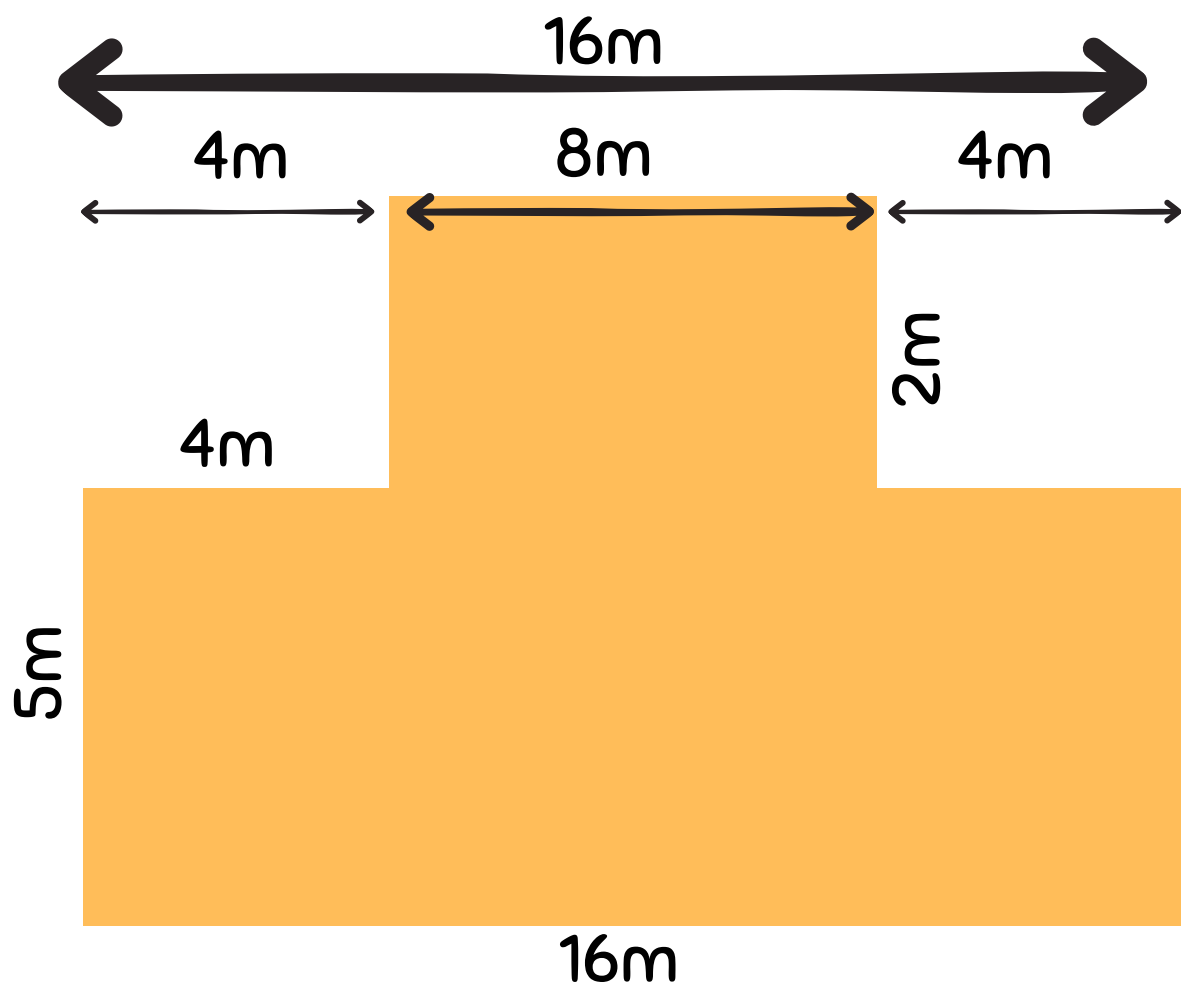


Word Problems on Perimeter Of Composite Shapes

Upper Primary Beginner Maths

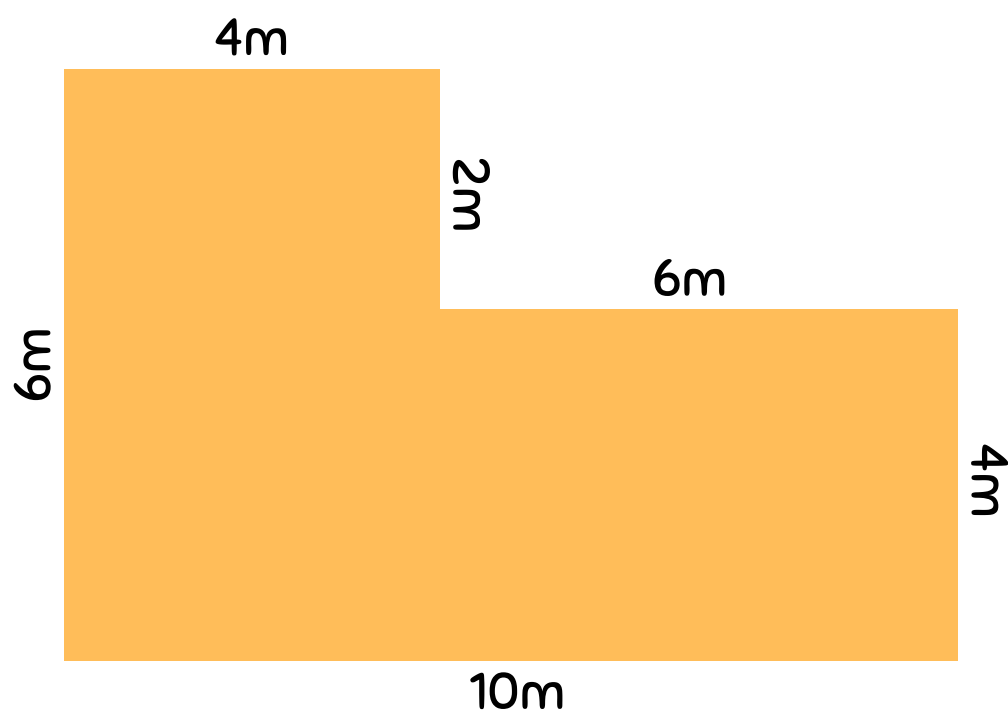
Solve the word problems.

- 1 Mr. Jones is employed as a gardener by the city council. He must walk around the perimeter of the local park to determine the total length of fencing required. Calculate the perimeter of the park.



Perimeter of the park =
=

- 2 The school caretaker needs to get a price to install new gutters around the entire perimeter of the school building. Work out the total length of the gutters. If the new gutters cost \$5 per metre, how much will the caretaker need to pay?



Cost of gutter
=
=

Perimeter of the park =
=

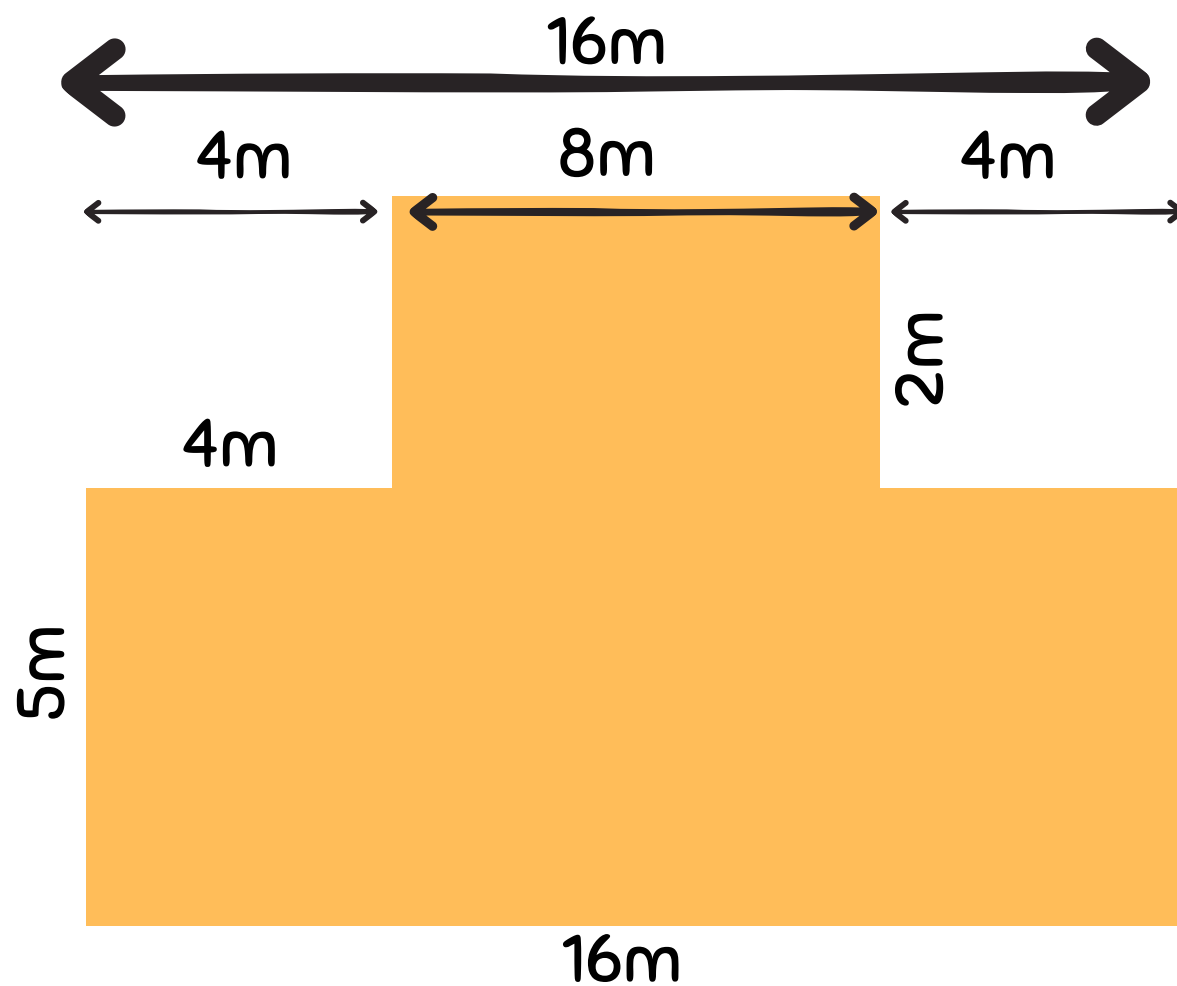


Word Problems on Perimeter Of Composite Shapes - Solutions

Upper Primary Beginner Maths

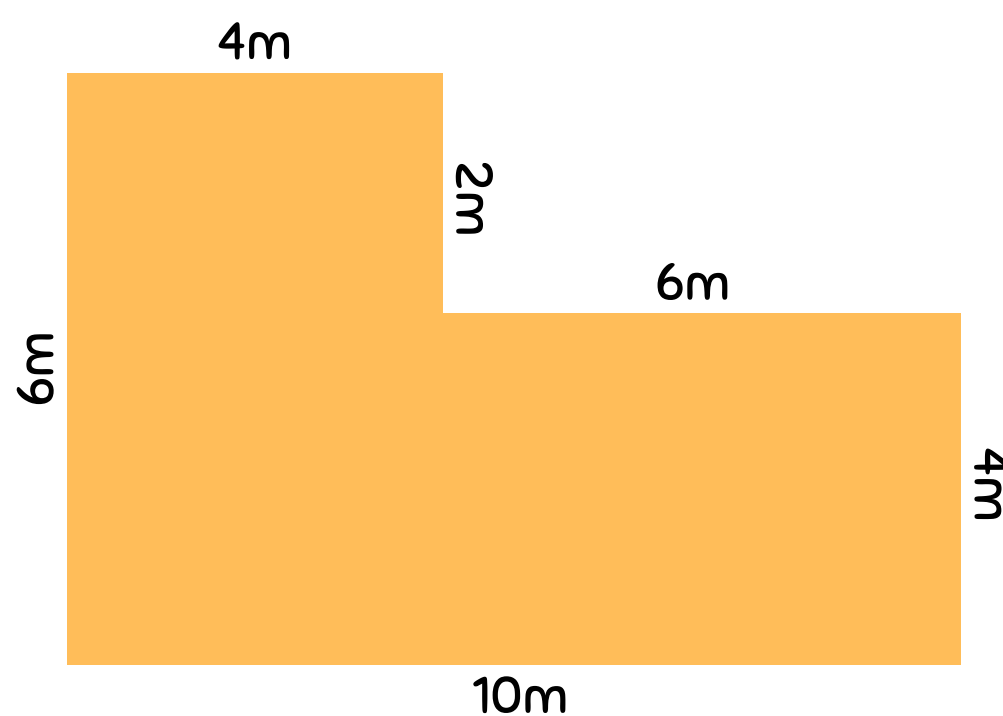
Solve the word problems.

- 1 Mr. Jones is employed as a gardener by the city council. He must walk around the perimeter of the local park to determine the total length of fencing required. Calculate the perimeter of the park.



$$\begin{aligned} \text{Perimeter of the park} &= 16+5+4+2+8+2+4+5 \\ &= 46 \text{ units} \end{aligned}$$

- 2 The school caretaker needs to get a price to install new gutters around the entire perimeter of the school building. Work out the total length of the gutters. If the new gutters cost \$5 per metre, how much will the caretaker need to pay?



$$\begin{aligned} \text{Cost of gutter} &= \$5 \times 32 \text{ m} \\ &= \$160 \end{aligned}$$

$$\begin{aligned} \text{Perimeter of the park} &= 10+6+4+2+6+4 \\ &= 32 \text{ m} \end{aligned}$$