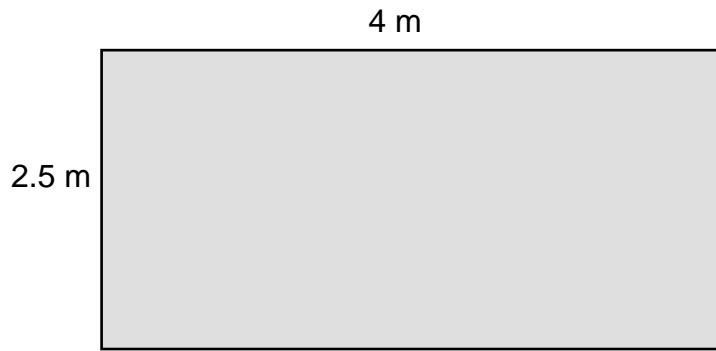


Area Word Problems

1. Damien has 300 bricks to make the patio shown on the right.

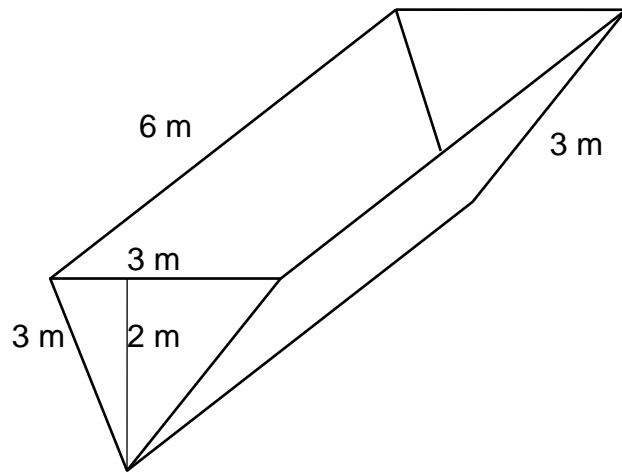
Each square metre requires 40 bricks.

How many more bricks does he need to buy?



2. Tania wants to paint her new water trough, both inside and out.

- a. What is the total surface area that she will have to paint?
- b. If one litre of paint covers 20 square metres, how many litres will she need to buy?



3. Tasha wants to put a nice brick path around her large circular garden. Her garden has a radius of 8 metres. The path is 1 metre wide.
- a. What is the area of the brick path?
- b. If Tasha needs 30 bricks per square metres, how many bricks will she need altogether?
- c. If the bricks cost 55c each, how much will the bricks cost altogether?

Hint: Area of a circle = $\pi \times \text{radius} \times \text{radius}$

