

AREA AND PERIMETER 1

Solve the following problems. Remember:

- ✓ write all the calculations in your folder, NOT only the final result.
- ✓ write full answers.



Jane wants to paint the walls in her bedroom. She has 4 walls which measure 3,00m x 3.50m. The height of the walls is 2,50m

On one wall she has a door of 2.40m x 0.70m.

On another wall she has 2 windows of 0.90m x 1.00m.

a) How many m² will she paint?

If 1 litre of paint covers 8 m²,

b) How many litres will she need if she wants to give 2 coats of paint?

If each pot of paint brings 3 litres and costs \$1.530,

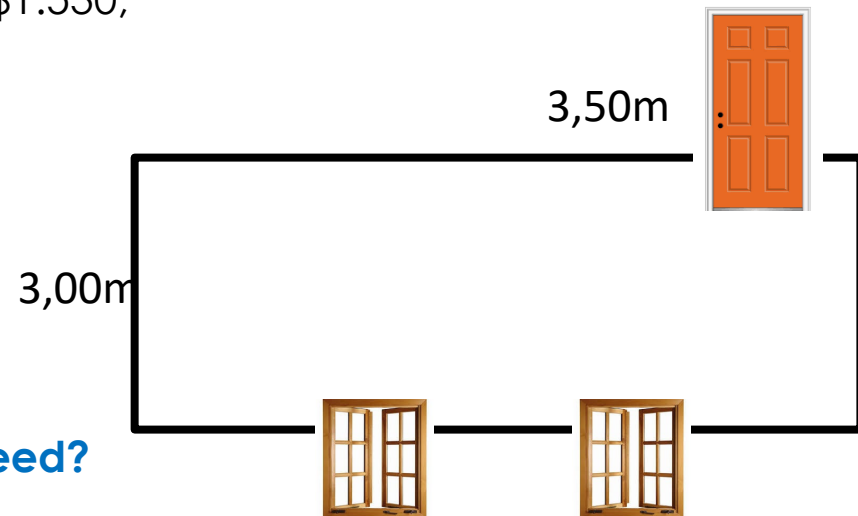
c) How many pots will she need?

d) How much will she spend?

She also wants to carpet the floor

e) How many m² of carpet will she need?

f) How many meters of baseboard will she need?



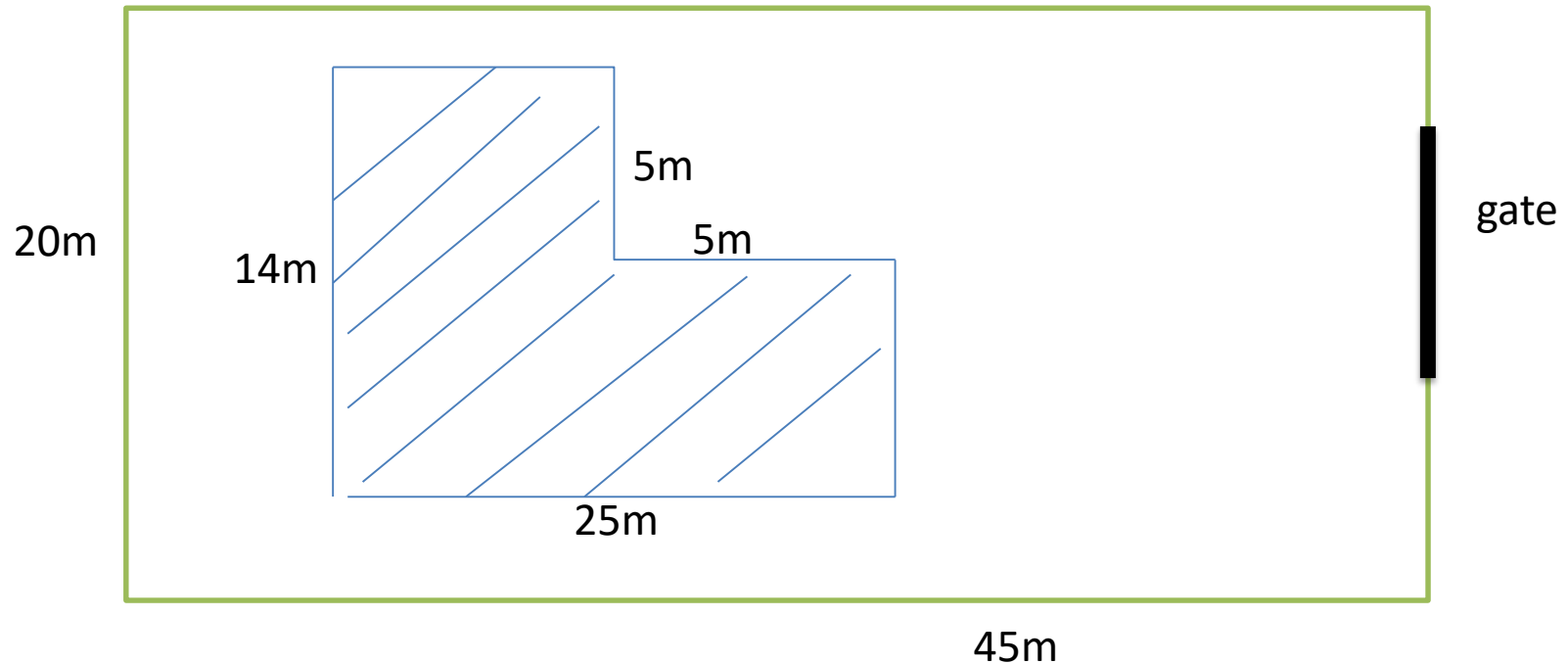


Peter has bought a plot of land and has built a house on it. Look at the plan and solve the problems.

- a) He wants to fence the land. If there's a gate 3m wide, how much wire will he need?
- b) The house is quite big, how many m² of garden does he have?

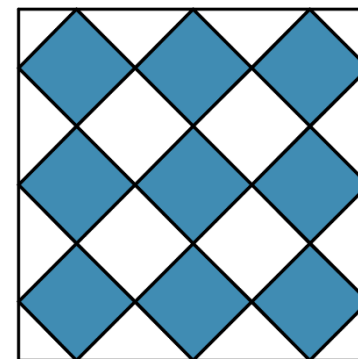
He wants to sow grass seeds in the garden. If each bag of seeds covers 3 m²,

- c) How many bags will he need?



3

Look at the image. If the side of the larger square is 6cm,

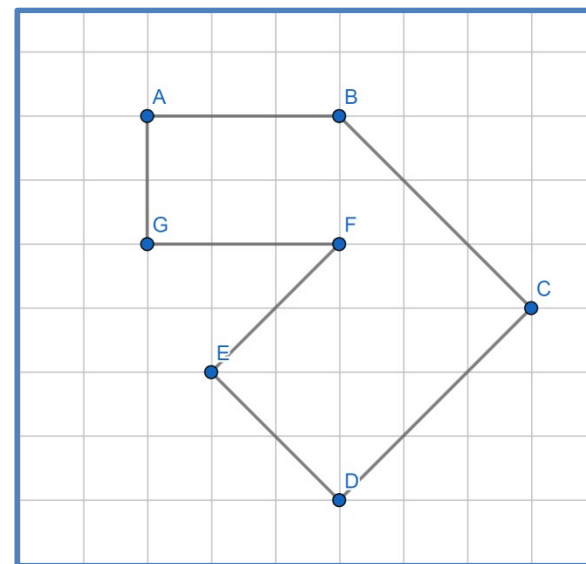


a) how much is the shaded area?

b) What fraction of the large square is shaded?

4

Calculate the shaded area knowing that the side of a square is 1 cm



5

Visit the site and do the quiz

https://www.mathgoodies.com/lessons/vol1/challenge_unit1