

m7 = 1 day to go!

Sean is making plans to build a shed with a rectangular floor.

The floor has length 4 m and width 3 m.

He thinks the area of the floor is too small.

He wants to have exactly double the floor area.

He writes down 3 ideas:

Idea 1 Add 2 m to the length and add 2 m to the width.

Idea 2 Double the length and double the width.

Idea 3 Double the length only.

Which idea will work?

Explain your answer.

Answer Idea _____ because _____

_____ [4]

4 The cost, £ C , of a taxi journey can be calculated using the formula

$$C = 2.50 + 1.25 \times M$$

£2.50 is the initial charge, M = number of miles.

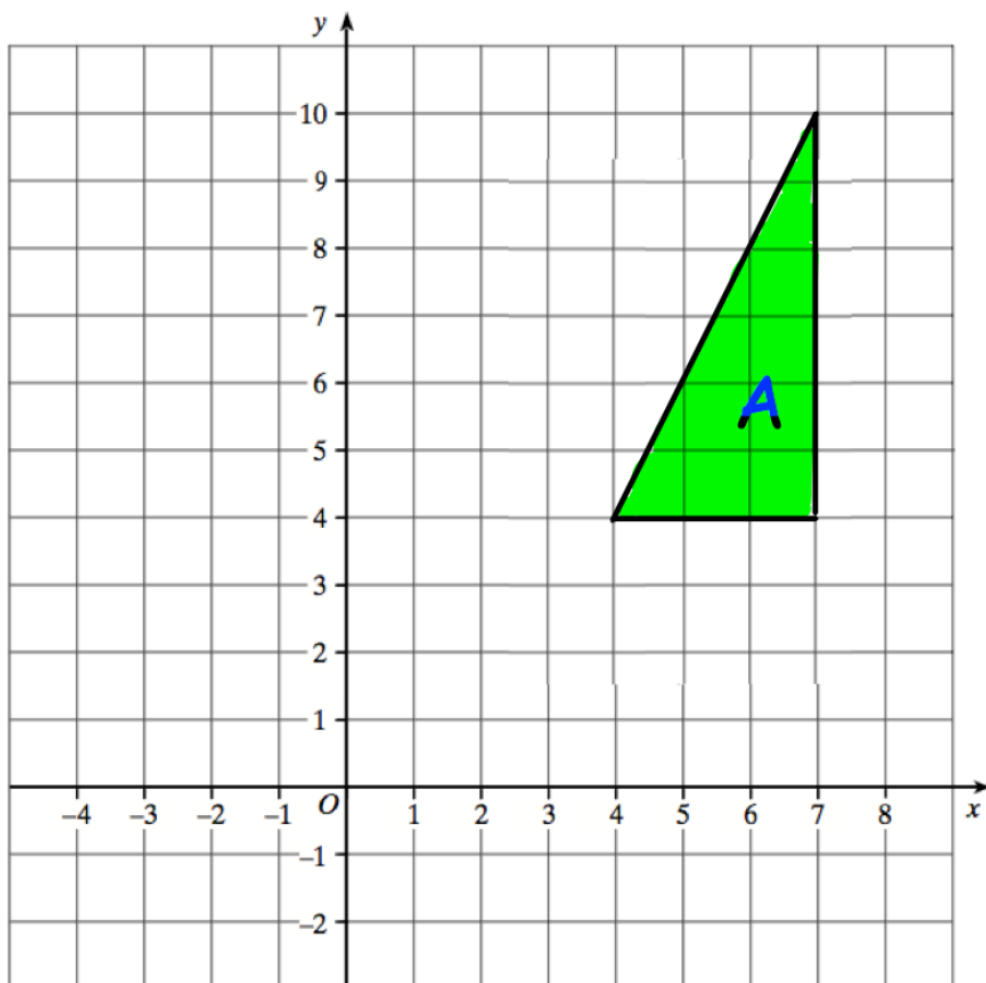
Julie has £10 and Kate has £20.

Kate says she can travel exactly twice the number of miles that Julie can by taxi.

Is Kate correct?

Explain your answer.

[3]



Draw the enlargement of shape A with scale factor $\frac{1}{3}$ and centre of enlargement (1,1).

(3)