



Similar Shapes



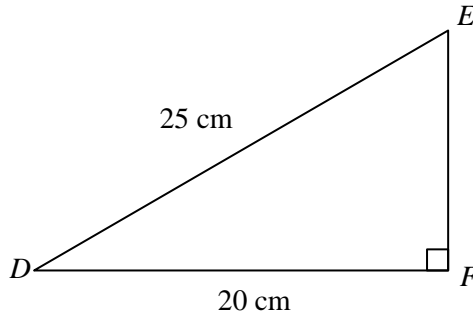
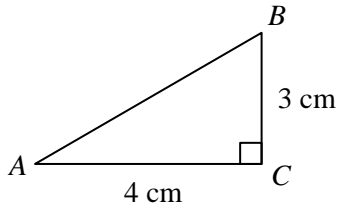
SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Triangle ABC and Triangle DEF are similar.



(a) Write down the scale factor of enlargement from triangle ABC to triangle DEF .

.....
(1)

(b) Work out the length of EF .

.....cm
(2)

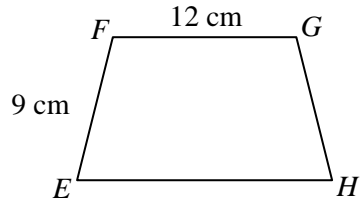
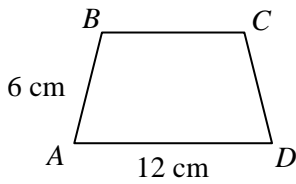
(c) Work out the length of AB .

.....cm
(2)

(Total for Question 1 is 5 marks)



2 Trapezium $ABCD$ and Trapezium $EFGH$ are similar.



(a) Write down the scale factor of enlargement from Trapezium $ABCD$ to Trapezium $EFGH$

.....
(1)

(b) Work out the length of EH .

..... cm
(2)

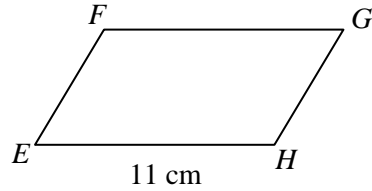
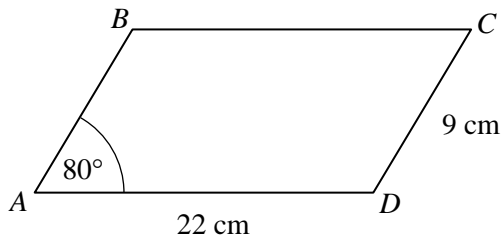
(c) Work out the length of BC .

..... cm
(2)

(Total for Question 2 is 5 marks)



3 Parallelogram $ABCD$ and Parallelogram $EFGH$ are similar.



(a) Write down the scale factor of enlargement from Parallelogram $ABCD$ to Parallelogram $EFGH$

.....
(1)

(b) Work out the length of GH .

..... cm
(2)

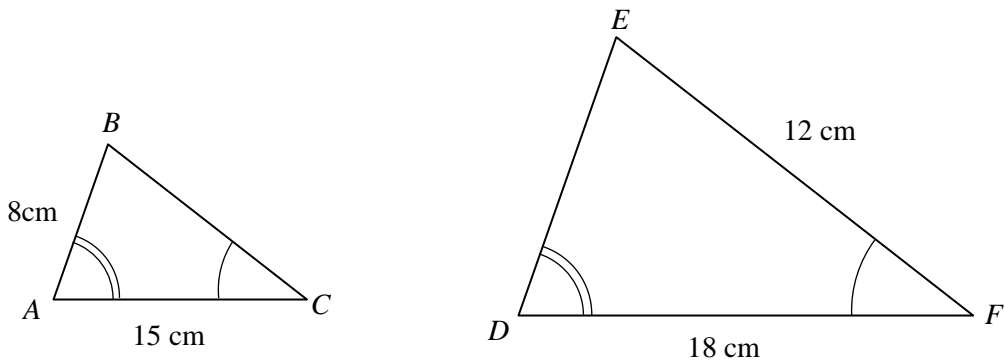
(c) Write down the size of angle FEH .

.....
(1)

(Total for Question 3 is 4 marks)



4 Triangle ABC and Triangle DEF are similar.



(a) Write down the scale factor of enlargement from Triangle ABC to Triangle DEF .

.....
(1)

(b) Work out the length of DE .

..... cm
(2)

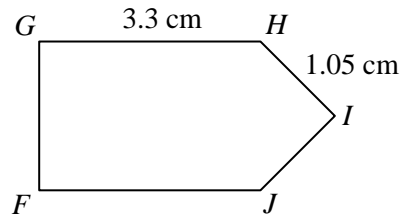
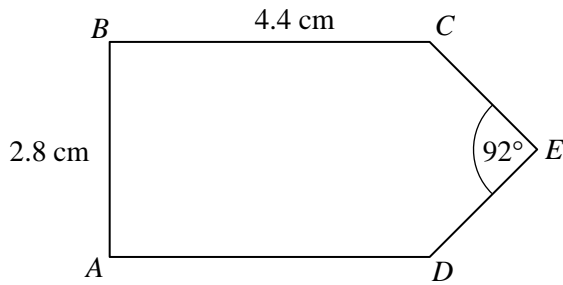
(c) Work out the length of BC .

..... cm
(2)

(Total for Question 4 is 5 marks)



5 Shape $ABCDE$ and Shape $FGHIJ$ are similar.



(a) Work out the length of GF .

..... cm
(2)

(b) Work out the length of CE .

..... cm
(2)

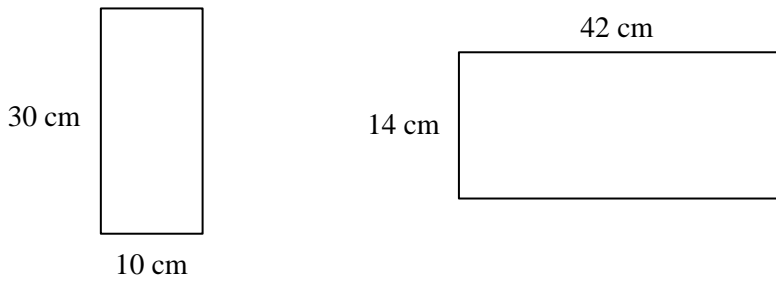
(c) Write down the size of angle HIJ .

.....
(1)

(Total for Question 5 is 5 marks)



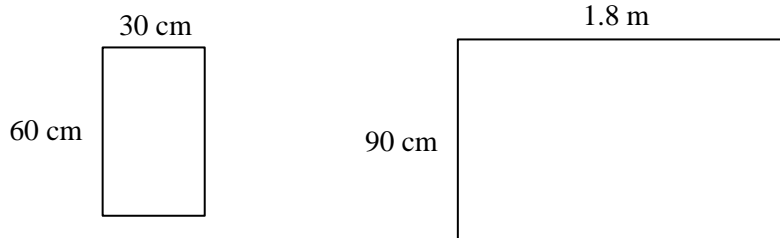
6 Here are two rectangles.



Show that these rectangles are mathematically similar.

(Total for Question 6 is 2 marks)

7 Here are two rectangles.

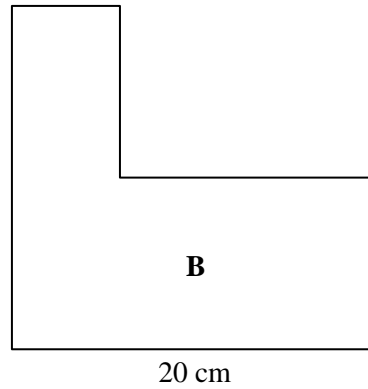
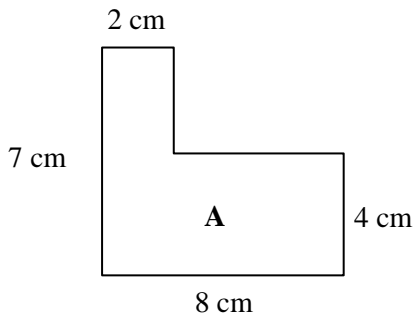


Show that these rectangles are mathematically similar.

(Total for Question 7 is 2 marks)



8 Shape **A** and Shape **B** are similar.



Work out the perimeter of shape **B**.

..... cm

(Total for Question 8 is 4 marks)

