

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

Figure B is a scale image of Figure A, as shown.

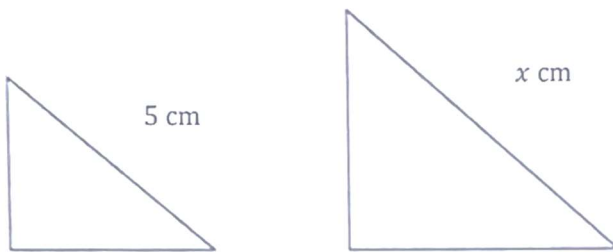


Figure A

Figure B

Scale factor!

$$5 \times 1.4 = 7$$

The scale that maps Figure A onto Figure B is 1:1.4.
 What is the value of x ?



Question 02

Figure B is a scale image of Figure A, as shown.
 Both figures are parallelograms.



Figure A

Figure B

$$10 \times \text{Scale factor} = 30$$

$$\div 10 \qquad \div 10$$

Scale factor = 3

$$x \times 3 = 42$$

$$\div 3 \qquad \div 3$$

What is the value of x ?

$$x = 14$$

Question 03

Figure B is a scale image of Figure A, as shown.

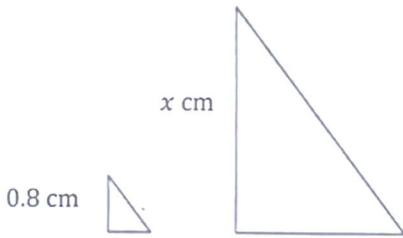


Figure A

Figure B

scale factor!

$$0.8 \times 2.5 = 2$$



The scale that maps Figure A onto Figure B is 1:2.5.
What is the value of x ?

Question 04

Figure B is a scale image of Figure A, as shown.

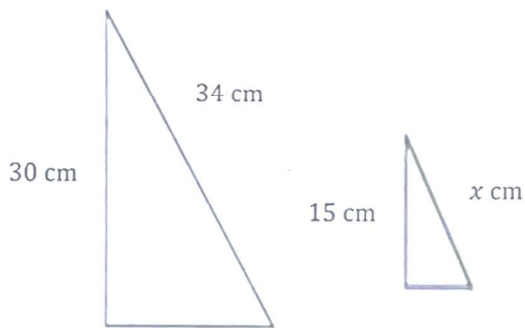


Figure A

Figure B

$$30 \times \text{scale factor} = 15$$
$$\div 30 \qquad \div 30$$

$$\text{scale factor} = 0.5$$

$$34 \times 0.5 = x$$

$$x = 17$$

What is the value of x ?