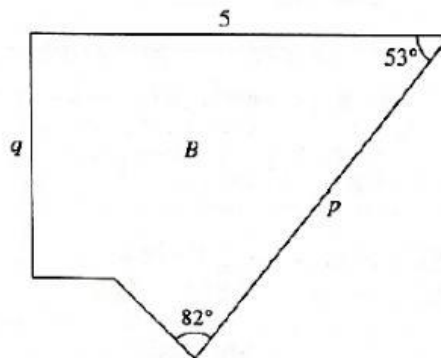
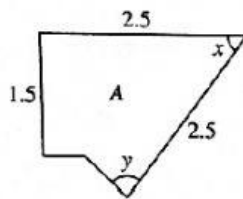


TEACHER'S NAME: _____

NAME: _____

CLASS: _____

4.1 SCALE DRAWINGSWrite answers in the spaces provided.**1. Mark / for the correct statement and X for the incorrect statements.**

- (a) Polygon B is larger than polygon A. ()
- (b) Polygon B has angles with the same measures as polygon A. ()
- (c) Polygon B has the same number of sides as polygon A. ()
- (d) Polygon B has the same perimeter as polygon A. ()
- (c) Polygon B has the same number of angles as polygon A. ()

2. Based on the diagram, complete the following.

- (a) Angle x = (Write numbers only)
- (b) Ratio of sides = (Write numbers only)
- (c) Length of q = (Write numbers only)

3. A scale on drawing is $1 : \frac{1}{2}$.

It means the scale drawing is
than the object.

Larger

/

Smaller

(Choose 1 answer)

4. A scale on drawing is $1\text{cm} : 10\text{km}$

It means the scale drawing is
than the object.

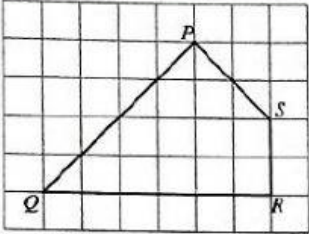
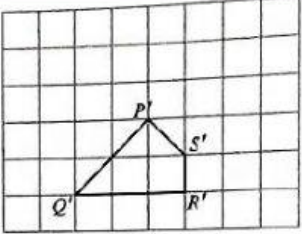
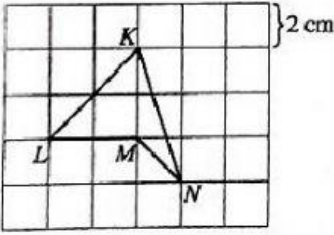
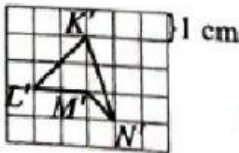
Larger

/

Smaller

(Choose 1 answer)

5. Determine the scale of the following in the form of $1 : n$.

Object	Scale Drawing	Scale ($1 : n$)
		 (Write the ratio. Example $1 : 5$)
		 (Write the ratio. Example $1 : 5$)

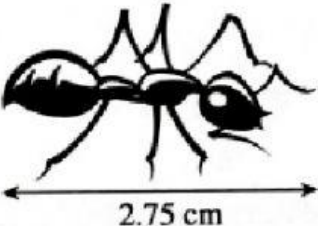
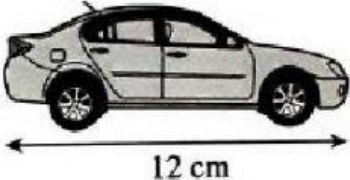
6. a) The actual distance between a library and a post office is 180 m. On a map, the distance between the two buildings is 18 cm. Calculate the scale used.

(Write the ratio. Example $1 : 100$)

- b) The length of a swimming pool in a scale drawing is 5 cm. The actual length of the swimming pool is 25 m. Calculate the scale used.

(Write the ratio. Example 1 : 100)

7. Calculate the actual length.

Measurement of scale drawing	Scale	Actual Length
	$1 : \frac{1}{5}$	cm (Write number only)
	1 : 40	cm (Write number only)

8. On the plan of a room drawn using a scale of 1 : 150, the length of the room is 6 cm. Calculate the actual length , in m , of the room.

m

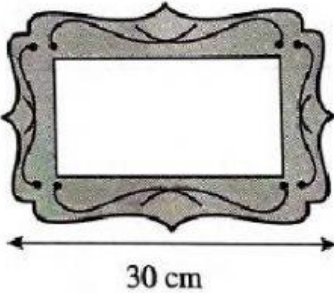
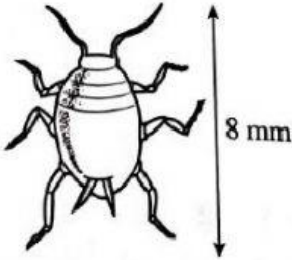
(Write number only)

9. A map is drawn to a scale of 1 cm to 15 km. Calculate the actual distance , in km , between two towns if the distance on the map is 4 cm.

km

(Write number only)

10. Determine the measurement of the scale drawings.

Measurement of the object	Scale	Length of the scale drawing
 30 cm	$1:6$	 cm (Write number only)
 8 mm	$1:\frac{1}{5}$	 mm (T Write number only)