

# Worksheet

05/09/2020

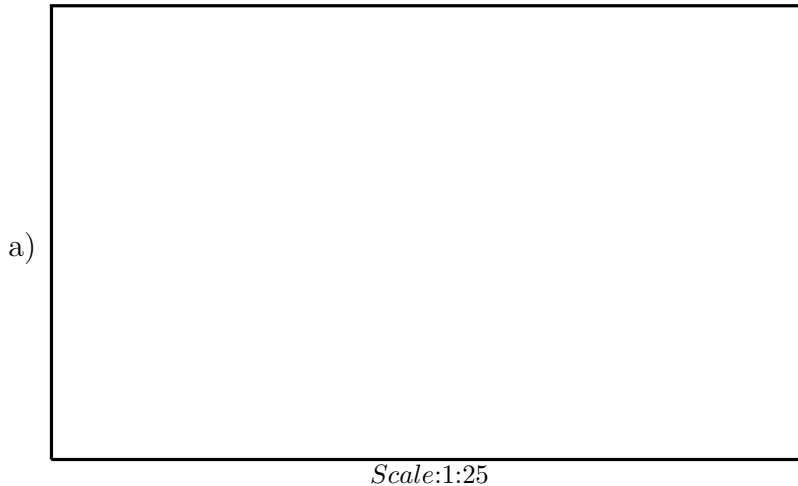
Free on dw-math.com

Problem quickname: 9001

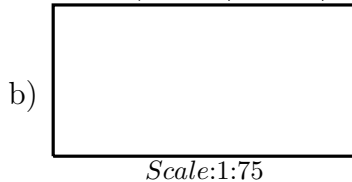
1)

Quick:  
9001

The rectangle shown has been reduced by the scale factor indicated. What is the length and width of the original unscaled rectangle?



Answer:

Drawing (length/width/area) : 1 dm/6 cm 2 mm/62 cm<sup>2</sup>Original (length/width/area): 2 m 5 dm/1 m 5 dm 5 cm/3 m<sup>2</sup> 87 dm<sup>2</sup> 50 cm<sup>2</sup>

Answer:

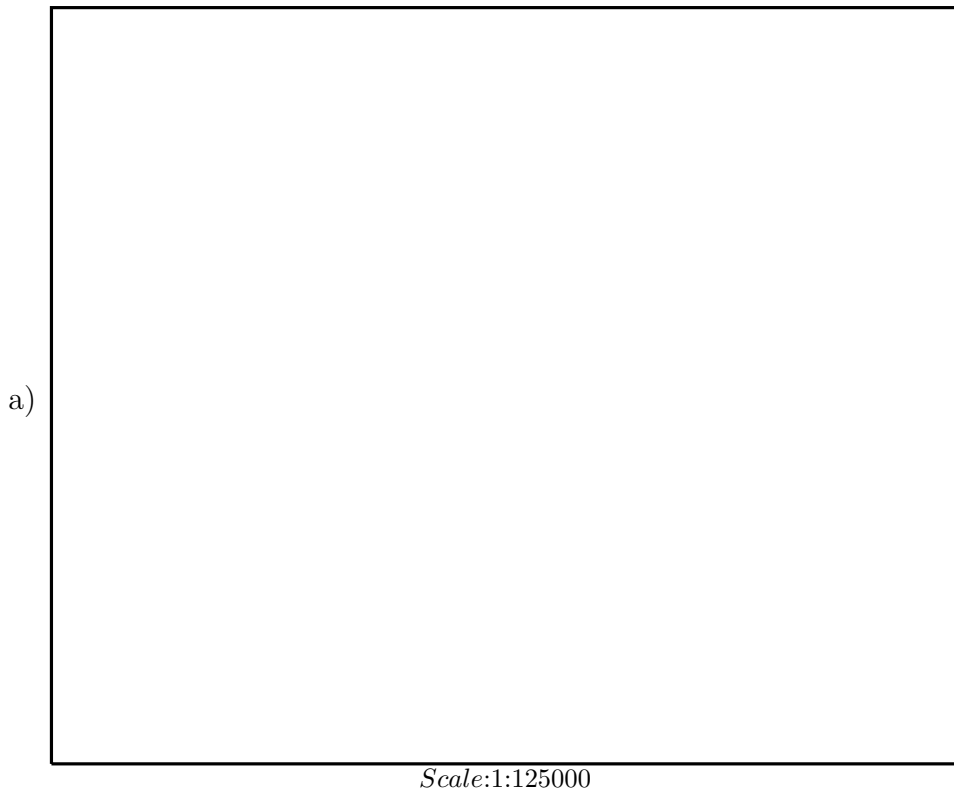
Drawing (length/width/area) : 4 cm 7 mm/2 cm 6 mm/12 cm<sup>2</sup> 22 mm<sup>2</sup>Original (length/width/area): 3 m 5 dm 2 cm 5 mm/1 m 9 dm 5 cm/6 m<sup>2</sup> 87 dm<sup>2</sup> 37 cm<sup>2</sup> 50 mm<sup>2</sup>

2)

Quick:  
9001

The rectangle shown has been reduced by the scale factor indicated. What is its area in

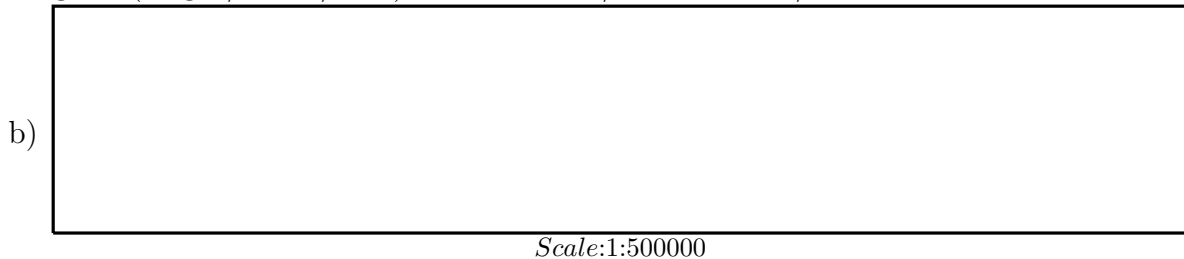
this drawing? What is the length, width and area of the original unscaled rectangle?



Answer:

Drawing (length/width/area) : 1 dm 2 cm 5 mm/1 dm/1 dm<sup>2</sup> 25 cm<sup>2</sup>

Original (length/width/area): 15 km 625 m/12 km 500 m/



Answer:

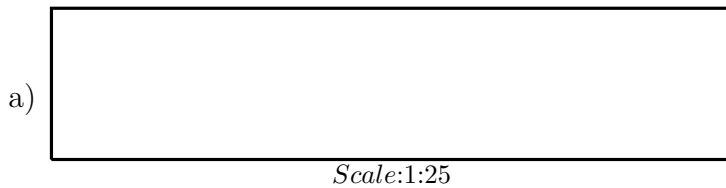
Drawing (length/width/area) : 1 dm 5 cm 6 mm/3 cm 6 mm/56 cm<sup>2</sup> 16 mm<sup>2</sup>

Original (length/width/area): 78 km/18 km/960 m<sup>2</sup> 74 dm<sup>2</sup> 13 cm<sup>2</sup> 76 mm<sup>2</sup>

3)

The rectangle shown has been reduced by the scale factor indicated. What is its area in this drawing? What is the length, width and area of the original unscaled rectangle?

Quick:  
9001



Answer:

Drawing (length/width/area) : 9 cm/2 cm 5 mm/22 cm<sup>2</sup> 50 mm<sup>2</sup>

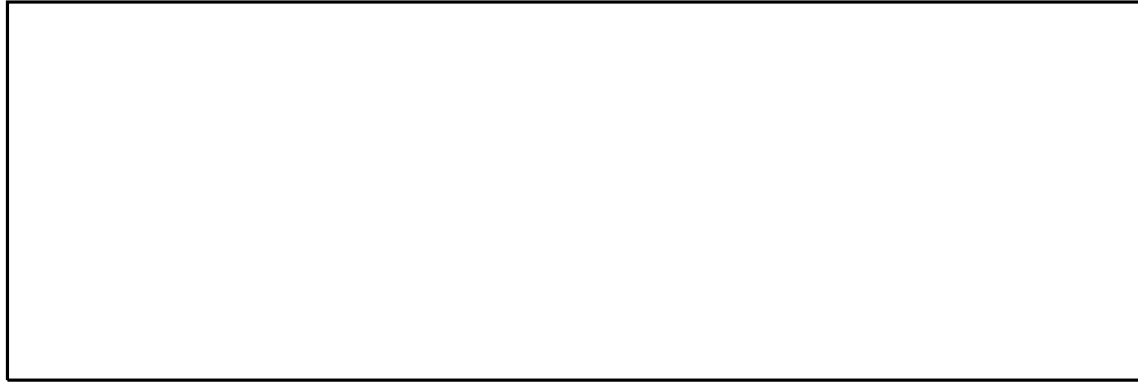
Original (length/width/area): 2 m 2 dm 5 cm/6 dm 2 cm 5 mm/1 m<sup>2</sup> 40 dm<sup>2</sup> 62 cm<sup>2</sup> 50 mm<sup>2</sup>

4)

The rectangle shown has been reduced by the scale factor indicated. What is the length and width of the original unscaled rectangle?

Quick:  
9001

a)



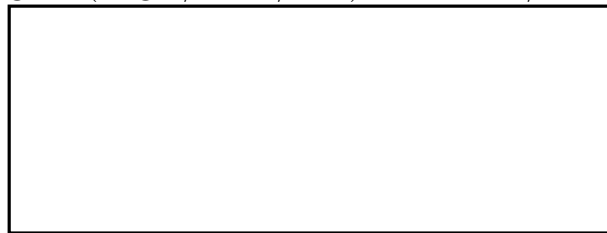
*Scale:1:5*

Answer:

Drawing (length/width/area) : 1 dm 5 cm 8 mm/5 cm 6 mm/88 cm<sup>2</sup> 48 mm<sup>2</sup>

Original (length/width/area): 7 dm 9 cm/2 dm 8 cm/22 dm<sup>2</sup> 12 cm<sup>2</sup>

b)



*Scale:1:75*

Answer:

Drawing (length/width/area) : 8 cm/3 cm 4 mm/27 cm<sup>2</sup> 20 mm<sup>2</sup>

Original (length/width/area): 6 m/2 m 5 dm 5 cm/15 m<sup>2</sup> 30 dm<sup>2</sup>

Good Luck!