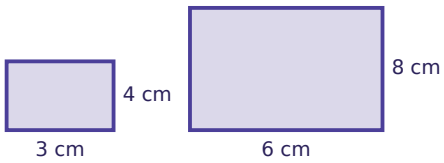
Task card 1 Scaled Copies: Scale Factor, Angle...

A rectangle is 3 cm by 4 cm. A scaled copy is 6 cm by 8 cm. What is the scale factor?



Task card 2 Scaled Copies: Scale Factor, Angle...

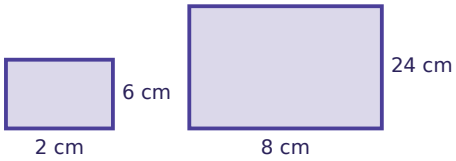
Is an 8 cm by 16 cm rectangle a scaled copy of a 2 cm by 4 cm rectangle? Write yes or no.

Task card 3 Scaled Copies: Scale Factor, Angle...

A rectangle is 6 cm by 8 cm. A scaled copy is 3 cm by 4 cm. What is the scale factor?

Task card 4 Scaled Copies: Scale Factor, Angle...

A rectangle is 2 cm by 6 cm. A scaled copy is 8 cm by 24 cm. What is the scale factor?



Task card 5 Scaled Copies: Scale Factor, Angle...

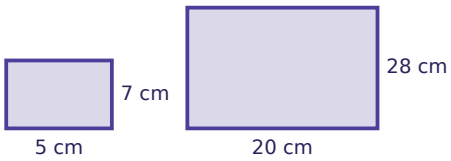
A rectangle is 8 cm by 10 cm. A scaled copy is 4 cm by 5 cm. What is the scale factor?

Task card 6 Scaled Copies: Scale Factor, Angle...

One angle of a figure measures 45°. The figure is copied with scale factor 4. What does the matching angle in the copy measure, in degrees?

Task card 7 Scaled Copies: Scale Factor, Angle...

A rectangle is 5 cm by 7 cm. A scaled copy is 20 cm by 28 cm. What is the scale factor?



Task card 8 Scaled Copies: Scale Factor, Angle...

A triangle has sides 6 cm, 10 cm and 6 cm. It is copied with scale factor $\frac{1}{2}$. How long is the copy of the 6 cm side, in cm?

Task card 9 Scaled Copies: Scale Factor, Angle...

A triangle has sides 6 cm, 5 cm and 4 cm. It is copied with scale factor 3. How long is the copy of the 4 cm side, in cm?

Task card 10 Scaled Copies: Scale Factor, Angle...

Is a 1 cm by 3 cm rectangle a scaled copy of a 4 cm by 6 cm rectangle? Write yes or no.

Task card 11 Scaled Copies: Scale Factor, Angle...

One angle of a figure measures 20°. The figure is copied with scale factor 4. What does the matching angle in the copy measure, in degrees?

Task card 12 Scaled Copies: Scale Factor, Angle...

One angle of a figure measures 40°. The figure is copied with scale factor 2. What does the matching angle in the copy measure, in degrees?

Task card 13 Scaled Copies: Scale Factor, Angle...

One angle of a figure measures 50°. The figure is copied with scale factor 2. What does the matching angle in the copy measure, in degrees?

Task card 14 Scaled Copies: Scale Factor, Angle...

A triangle has sides 4 cm, 2 cm and 4 cm. It is copied with scale factor 2. How long is the copy of the 4 cm side, in cm?

Task card 15 Scaled Copies: Scale Factor, Angle...

Is a 4 cm by 12 cm rectangle a scaled copy of a 2 cm by 6 cm rectangle? Write yes or no.

Task card 16 Scaled Copies: Scale Factor, Angle...

Is a 2 cm by 5 cm rectangle a scaled copy of a 4 cm by 10 cm rectangle? Write yes or no.

Task card 17 Scaled Copies: Scale Factor, Angle...

A figure has an area of 24 square cm. What is the area of a scaled copy made with scale factor 3, in square cm?

Task card 18 Scaled Copies: Scale Factor, Angle...

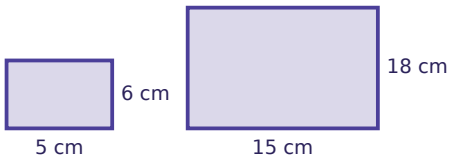
A triangle has sides 4 cm, 8 cm and 6 cm. It is copied with scale factor 4. How long is the copy of the 6 cm side, in cm?

Task card 19 Scaled Copies: Scale Factor, Angle...

On a map, 1 cm represents 25 km. Two towns are 10 cm apart on the map. How far apart are they in real life, in km?

Task card 20 Scaled Copies: Scale Factor, Angle...

A rectangle is 5 cm by 6 cm. A scaled copy is 15 cm by 18 cm. What is the scale factor?

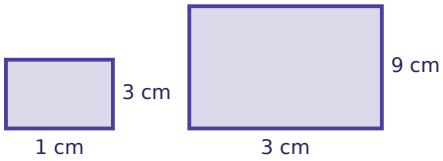


Task card 21 Scaled Copies: Scale Factor, Angle...

A triangle has sides 1 cm, 6 cm and 6 cm. It is copied with scale factor 2. How long is the copy of the 6 cm side, in cm?

Task card 22 Scaled Copies: Scale Factor, Angle...

A rectangle is 1 cm by 3 cm. A scaled copy is 3 cm by 9 cm. What is the scale factor?



Task card 23 Scaled Copies: Scale Factor, Angle...

On a map, 1 cm represents 25 km. Two towns are 9 cm apart on the map. How far apart are they in real life, in km?

Task card 24 Scaled Copies: Scale Factor, Angle...

One angle of a figure measures 70°. The figure is copied with scale factor $\frac{1}{2}$. What does the matching angle in the copy measure, in degrees?

Scaled Copies: Scale Factor, Angles & Area Task Cards

Recording sheet · Grade 7 · Use the scale factor. Remember: lengths are multiplied by the scale factor, angles stay the same, and areas are multiplied by the scale factor squared.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Scaled Copies: Scale Factor, Angles & Area Task Cards: Answer Key

Grade 7 · Easy

The answers online

1. 2	**2.** yes	**3.** $\frac{1}{2}$
4. 4	**5.** $\frac{1}{2}$	**6.** 45
7. 4	**8.** 3	**9.** 12
10. no	**11.** 20	**12.** 40
13. 50	**14.** 8	**15.** yes
16. yes	**17.** 216	**18.** 24
19. 250	**20.** 3	**21.** 12
22. 3	**23.** 225	**24.** 70