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

Is a 12 cm by 15 cm rectangle a scaled copy of an 8 cm by 10 cm rectangle? Write yes or no.

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

On a map, 1 cm represents 2 km. Two towns are 10 cm apart on the map. How far apart are they in real life, in km?

Task card 3 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 $\frac{5}{2}$, in square cm?

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

A triangle has sides 4 cm, 7 cm and 6 cm. It is copied with scale factor 3. How long is the copy of the 6 cm side, in cm?

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

A figure has an area of 48 square cm. What is the area of a scaled copy made with scale factor $\frac{1}{2}$, in square cm?

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

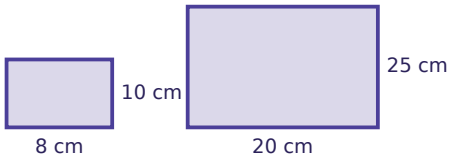
On a map, 1 cm represents 50 km. Two towns are 10 cm apart on the map. How far apart are they in real life, in km?

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

Is an 18 cm by 20 cm rectangle a scaled copy of a 6 cm by 8 cm rectangle? Write yes or no.

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

A rectangle is 8 cm by 10 cm. A scaled copy is 20 cm by 25 cm. What is the scale factor?



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

A scaled copy has an area of 192 square cm. The original has an area of 12 square cm. What scale factor was used?

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

Is a 6 cm by 9 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...

Is a 4 cm by 5 cm rectangle a scaled copy of an 8 cm by 10 cm rectangle? Write yes or no.

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

On a map, 1 cm represents 10 km. Two towns are 4 cm apart on the map. How far apart are they in real life, in km?

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

On a map, 1 cm represents 5 km. Two towns are 5 cm apart on the map. How far apart are they in real life, in km?

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

A map has a scale of 1 to 100,000. Two points are 6 cm apart on the map. How far apart are they in real life, in meters?

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

On a map, 1 cm represents 50 km. Two towns are 9 cm apart on the map. How far apart are they in real life, in km?

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

Is a 3 cm by 15 cm rectangle a scaled copy of a 2 cm by 10 cm rectangle? Write yes or no.

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

A figure has an area of 5 square cm. What is the area of a scaled copy made with scale factor 2, in square cm?

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

A figure has an area of 15 square cm. What is the area of a scaled copy made with scale factor 2, in square cm?

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

A figure has an area of 42 square cm. What is the area of a scaled copy made with scale factor 3, in square cm?

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

A map has a scale of 1 to 5,000. Two points are 3 cm apart on the map. How far apart are they in real life, in meters?

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

A scaled copy has an area of 108 square cm. The original has an area of 12 square cm. What scale factor was used?

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

A figure has an area of 18 square cm. What is the area of a scaled copy made with scale factor $\frac{1}{3}$, in square cm?

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

On a map, 1 cm represents 50 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

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

A figure has an area of 48 square cm. What is the area of a scaled copy made with scale factor $\frac{5}{2}$, in square cm?

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 · Medium

The answers online

1. yes	**2.** 20	**3.** 150
4. 18	**5.** 12	**6.** 500
7. no	**8.** $\frac{5}{2}$	**9.** 4
10. yes	**11.** yes	**12.** 40
13. 25	**14.** 6000	**15.** 450
16. yes	**17.** 20	**18.** 60
19. 378	**20.** 150	**21.** 3
22. 2	**23.** 150	**24.** 300