Task card 1 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 $\frac{2}{3}$, in square cm?

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

On a map, 1 cm represents 10 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

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

A rectangle is 12 cm by 15 cm. A scaled copy is 8 cm by 10 cm. What is the scale factor?

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

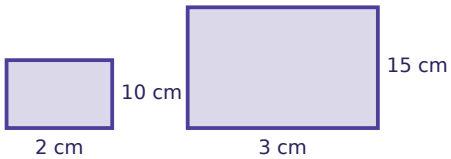
A scaled copy has an area of 486 square cm. The original has an area of 54 square cm. What scale factor was used?

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

A figure has an area of 90 square cm. What is the area of a scaled copy made with scale factor $\frac{1}{3}$, in square cm?

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

A rectangle is 2 cm by 10 cm. A scaled copy is 3 cm by 15 cm. What is the scale factor?

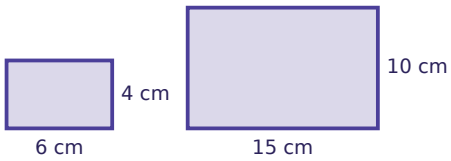


Task card 7 Scaled Copies: Scale Factor, Angle...

A figure has an area of 20 square cm. What is the area of a scaled copy made with scale factor 3, in square cm?

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

A rectangle is 6 cm by 4 cm. A scaled copy is 15 cm by 10 cm. What is the scale factor?



Task card 9 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 2, in square cm?

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

A figure has an area of 180 square cm. What is the area of a scaled copy made with scale factor $\frac{1}{3}$, in square cm?

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

A map has a scale of 1 to 20,000. Two points are 3 cm apart on the map. How far apart are they in real life, in meters?

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

On a map, 1 cm represents 10 km. Two towns are 11 cm apart on the map. How far apart are they in real life, in km?

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

A scaled copy has an area of 216 square cm. The original has an area of 24 square cm. What scale factor was used?

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

On a map, 1 cm represents 2 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

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

A scaled copy has an area of 64 square cm. The original has an area of 16 square cm. What scale factor was used?

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

Is an 8 cm by 12 cm rectangle a scaled copy of a 2 cm by 6 cm rectangle? Write yes or no.

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

Is a 14 cm by 10 cm rectangle a scaled copy of an 8 cm by 4 cm rectangle? Write yes or no.

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

A map has a scale of 1 to 1,000. Two points are 7 cm apart on the map. How far apart are they in real life, in meters?

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

Is a 6 cm by 16 cm rectangle a scaled copy of a 3 cm by 8 cm rectangle? Write yes or no.

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

Is a 12 cm by 21 cm rectangle a scaled copy of a 4 cm by 7 cm rectangle? Write yes or no.

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

On a map, 1 cm represents 25 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

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

A rectangle is 6 cm by 9 cm. A scaled copy is 4 cm by 6 cm. What is the scale factor?

Task card 23 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 24 Scaled Copies: Scale Factor, Angle...

A figure has an area of 14 square cm. What is the area of a scaled copy made with scale factor 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 · Hard

The answers online

1. 8	**2.** 30	**3.** $\frac{2}{3}$
4. 3	**5.** 10	**6.** $\frac{3}{2}$
7. 180	**8.** $\frac{5}{2}$	**9.** 72
10. 20	**11.** 600	**12.** 110
13. 3	**14.** 6	**15.** 2
16. no	**17.** no	**18.** 70
19. yes	**20.** yes	**21.** 75
22. $\frac{2}{3}$	**23.** 6000	**24.** 56