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?

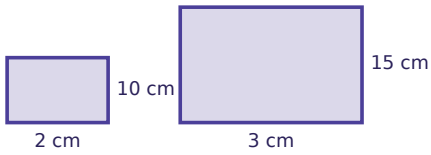
On a map, 1 cm represents 10 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

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

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

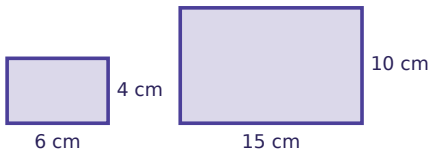
A figure has an area of 90 square cm. What is the area of a scaled copy made with scale factor $\frac{1}{3}$, in square cm?

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



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?

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



Scaled Copies: Scale Factor, Angles & Area · 2

ANSWER

30

Scaled Copies: Scale Factor, Angles & Area · 1

ANSWER

8

Scaled Copies: Scale Factor, Angles & Area · 4

ANSWER

3

Scaled Copies: Scale Factor, Angles & Area · 3

ANSWER

$$\frac{2}{3}$$

Scaled Copies: Scale Factor, Angles & Area · 6

ANSWER

$$\frac{3}{2}$$

Scaled Copies: Scale Factor, Angles & Area · 5

ANSWER

10

Scaled Copies: Scale Factor, Angles & Area · 8

ANSWER

$$\frac{5}{2}$$

Scaled Copies: Scale Factor, Angles & Area · 7

ANSWER

180

Scaled Copies: Scale Factor, Angles & Area · 9

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?

Scaled Copies: Scale Factor, Angles & Area · 10

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?

Scaled Copies: Scale Factor, Angles & Area · 11

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?

Scaled Copies: Scale Factor, Angles & Area · 12

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?

Scaled Copies: Scale Factor, Angles & Area · 13

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

Scaled Copies: Scale Factor, Angles & Area · 14

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?

Scaled Copies: Scale Factor, Angles & Area · 15

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

Scaled Copies: Scale Factor, Angles & Area · 16

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

Scaled Copies: Scale Factor, Angles & Area · 10

ANSWER

20

Scaled Copies: Scale Factor, Angles & Area · 9

ANSWER

72

Scaled Copies: Scale Factor, Angles & Area · 12

ANSWER

110

Scaled Copies: Scale Factor, Angles & Area · 11

ANSWER

600

Scaled Copies: Scale Factor, Angles & Area · 14

ANSWER

6

Scaled Copies: Scale Factor, Angles & Area · 13

ANSWER

3

Scaled Copies: Scale Factor, Angles & Area · 16

ANSWER

no

Scaled Copies: Scale Factor, Angles & Area · 15

ANSWER

2

Scaled Copies: Scale Factor, Angles & Area · 17

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

Scaled Copies: Scale Factor, Angles & Area · 18

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?

Scaled Copies: Scale Factor, Angles & Area · 19

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

Scaled Copies: Scale Factor, Angles & Area · 20

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

Scaled Copies: Scale Factor, Angles & Area · 21

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?

Scaled Copies: Scale Factor, Angles & Area · 22

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

Scaled Copies: Scale Factor, Angles & Area · 23

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?

Scaled Copies: Scale Factor, Angles & Area · 24

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 · 18

ANSWER

70

Scaled Copies: Scale Factor, Angles & Area · 17

ANSWER

no

Scaled Copies: Scale Factor, Angles & Area · 20

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 19

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 22

ANSWER

$$\frac{2}{3}$$

Scaled Copies: Scale Factor, Angles & Area · 21

ANSWER

75

Scaled Copies: Scale Factor, Angles & Area · 24

ANSWER

56

Scaled Copies: Scale Factor, Angles & Area · 23

ANSWER

6000