Scaled Copies: Scale Factor, Angles & Area · 1

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

Scaled Copies: Scale Factor, Angles & Area · 2

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?

Scaled Copies: Scale Factor, Angles & Area · 3

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?

Scaled Copies: Scale Factor, Angles & Area · 4

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?

Scaled Copies: Scale Factor, Angles & Area · 5

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?

Scaled Copies: Scale Factor, Angles & Area · 6

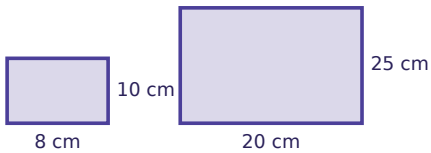
On a map, 1 cm represents 50 km. Two towns are 10 cm apart on the map. How far apart are they in real life, in km?

Scaled Copies: Scale Factor, Angles & Area · 7

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

Scaled Copies: Scale Factor, Angles & Area · 8

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



Scaled Copies: Scale Factor, Angles & Area · 2

ANSWER

20

Scaled Copies: Scale Factor, Angles & Area · 1

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 4

ANSWER

18

Scaled Copies: Scale Factor, Angles & Area · 3

ANSWER

150

Scaled Copies: Scale Factor, Angles & Area · 6

ANSWER

500

Scaled Copies: Scale Factor, Angles & Area · 5

ANSWER

12

Scaled Copies: Scale Factor, Angles & Area · 8

ANSWER

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

Scaled Copies: Scale Factor, Angles & Area · 7

ANSWER

no

Scaled Copies: Scale Factor, Angles & Area · 9

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

Scaled Copies: Scale Factor, Angles & Area · 10

Is a 6 cm by 9 cm rectangle a scaled copy of a 4 cm by 6 cm rectangle? Write yes or no.

Scaled Copies: Scale Factor, Angles & Area · 11

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

Scaled Copies: Scale Factor, Angles & Area · 12

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?

Scaled Copies: Scale Factor, Angles & Area · 13

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?

Scaled Copies: Scale Factor, Angles & Area · 14

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 · 15

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?

Scaled Copies: Scale Factor, Angles & Area · 16

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

Scaled Copies: Scale Factor, Angles & Area · 10

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 9

ANSWER

4

Scaled Copies: Scale Factor, Angles & Area · 12

ANSWER

40

Scaled Copies: Scale Factor, Angles & Area · 11

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 14

ANSWER

6000

Scaled Copies: Scale Factor, Angles & Area · 13

ANSWER

25

Scaled Copies: Scale Factor, Angles & Area · 16

ANSWER

yes

Scaled Copies: Scale Factor, Angles & Area · 15

ANSWER

450

Scaled Copies: Scale Factor, Angles & Area · 17

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?

Scaled Copies: Scale Factor, Angles & Area · 18

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?

Scaled Copies: Scale Factor, Angles & Area · 19

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?

Scaled Copies: Scale Factor, Angles & Area · 20

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?

Scaled Copies: Scale Factor, Angles & Area · 21

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

Scaled Copies: Scale Factor, Angles & Area · 22

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?

Scaled Copies: Scale Factor, Angles & Area · 23

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?

Scaled Copies: Scale Factor, Angles & Area · 24

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 · 18

ANSWER

60

Scaled Copies: Scale Factor, Angles & Area · 17

ANSWER

20

Scaled Copies: Scale Factor, Angles & Area · 20

ANSWER

150

Scaled Copies: Scale Factor, Angles & Area · 19

ANSWER

378

Scaled Copies: Scale Factor, Angles & Area · 22

ANSWER

2

Scaled Copies: Scale Factor, Angles & Area · 21

ANSWER

3

Scaled Copies: Scale Factor, Angles & Area · 24

ANSWER

300

Scaled Copies: Scale Factor, Angles & Area · 23

ANSWER

150