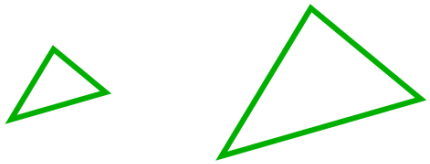
A scale drawing is

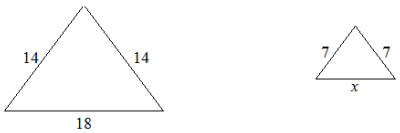


A scale model is

A scale is

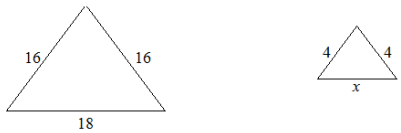
A scale factor is

The triangles below are similar. Find the value of x.



A. 8 B. 11 C. 9 D. 10.5

The triangles below are similar. Find the value of x.



A. 5.2 B. 4.5 C. 6 D. 5.8

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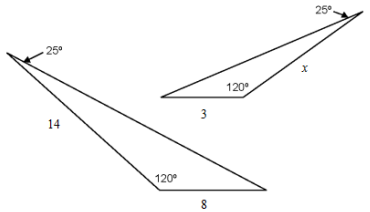
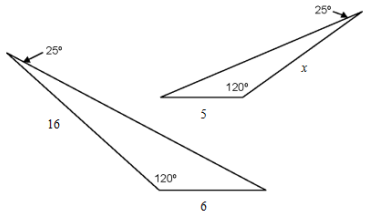
The triangles below are similar. Find the value of *x*.



A. $7\frac{1}{2}$ B. 9 C. $6\frac{1}{3}$ D. $5\frac{1}{4}$

powered by ExamView

The triangles below are similar. Find the value of *x*.



A. $10\frac{1}{3}$ B. 12 C. $13\frac{1}{3}$ D. 15

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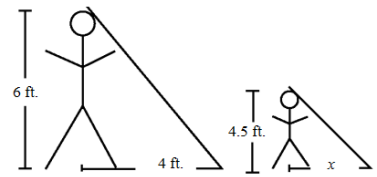
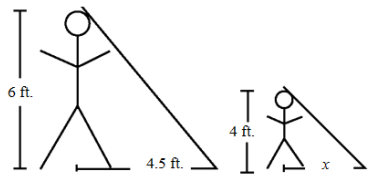
A 6-ft adult has a shadow 4 ft long. How long is the shadow of a 4.5-ft child standing next to the adult?



A. 3 ft B. 3.5 ft C. 4 ft D. 2.5 ft

powered by ExamView

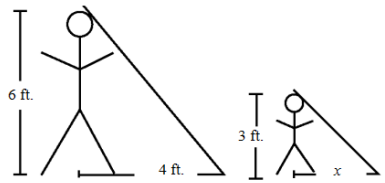
A 6-ft adult has a shadow 4.5 ft long. How long is the shadow of a 4-ft child standing next to the adult?



A. 2.5 ft B. 3 ft C. 4.5 ft D. 3.5 ft

powered by ExamView

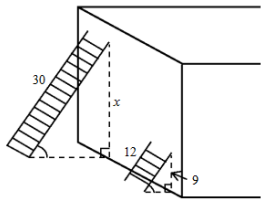
A 6-ft adult has a shadow 4 ft long. How long is the shadow of a 3-ft child standing next to the adult?



A. 3 ft B. 1 ft C. 2 ft D. 4 ft

powered by ExamView

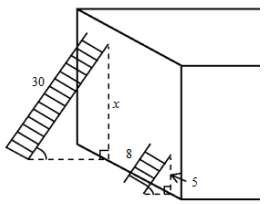
The ladders shown below are standing against the wall at the same angle. How high up the wall does the longer ladder go? (All measurements are in feet.)



A. 11.5 ft B. 21 ft C. 22.5 ft D. 27 ft

powered by ExamView

The ladders shown below are standing against the wall at the same angle. How high up the wall does the longer ladder go? (All measurements are in feet.)



A. 22.5 ft B. 18.75 ft C. 8.75 ft D. 27 ft

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A scale drawing uses the scale 3 in. = 20 ft. Find the missing measure.

48 in. = _____ ft

A. 320 B. 900 C. 160 D. 250

powered by ExamView

A scale drawing uses the scale 3 in. = 20 ft. Find the missing measure.

36 in. = _____ ft

A. 660 B. 240 C. 120 D. 130

powered by ExamView

A scale drawing uses the scale 3 in. = 20 ft. Find the missing measure.

_____ in. = $26\frac{2}{3}$ ft

A. 9.67 B. 4 C. 4.33 D. 1.33

powered by ExamView

A scale drawing uses the scale 3 in. = 20 ft. Find the missing measure.

_____ in. = $66\frac{2}{3}$ ft

A. 49.67 B. 6.33 C. 10 D. 3.33

powered by ExamView

The width of a picture is 12 cm. Using a color copier, you reduce the width of the picture to 4 cm. What is the scale factor of the dilation?

A. $\frac{1}{3}$ B. $\frac{1}{4}$ C. 3 D. 4

powered by ExamView

The width of a picture is 10 cm. Using a color copier, you reduce the width of the picture to 5 cm. What is the scale factor of the dilation?

A. $\frac{1}{2}$ B. 5 C. 2 D. $\frac{1}{5}$

powered by ExamView

The scale of a map is 1 in. : 90 mi. How many actual miles does 0.85 inch represent?

A. 76.5 miles B. 114.8 miles C. 105.9 miles D. 6,885 miles

powered by ExamView

The scale of a map is 1 in. : 100 mi. How many actual miles does 0.85 inch represent?

A. 117.6 miles B. 127.5 miles C. 85 miles D. 8,500 miles

powered by ExamView

In a diagram of a landscape plan, the scale is 1 cm = 10 ft. In the diagram, the trees are 4.2 centimeters apart. How far apart should the actual trees be planted?

A. 42 centimeters
B. 42 feet
C. 4.2 feet
D. 420 feet

In a diagram of a landscape plan, the scale is 1 cm = 10 ft. In the diagram, the trees are 4.6 centimeters apart. How far apart should the actual trees be planted?

A. 4.6 feet
B. 46 centimeters
C. 46 feet
D. 460 feet

In a scale drawing of the solar system, the scale is 1 mm = 500 km. For a planet with a diameter of 5000 kilometers, what should be the diameter of the drawing of the planet?

A. 100 millimeters
B. 5000 millimeters
C. 2500000 millimeters
D. 10 millimeters

In a scale drawing of the solar system, the scale is 1 mm = 500 km. For a planet with a diameter of 8500 kilometers, what should be the diameter of the drawing of the planet?

A. 170 millimeters
B. 17 millimeters
C. 8500 millimeters
D. 4250000 millimeters