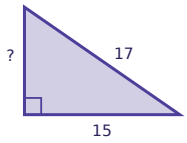
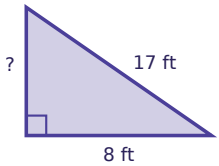
Pythagorean Theorem: Missing Legs & Word Problems · 1

A right triangle has a leg of 15 and a hypotenuse of 17. Find the other leg.



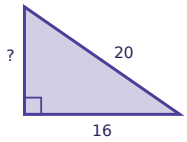
Pythagorean Theorem: Missing Legs & Word Problems · 2

A 17-foot ladder leans against a wall. Its foot is 8 feet from the wall. How high up the wall does the ladder reach?



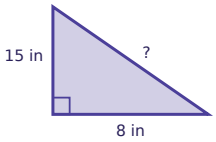
Pythagorean Theorem: Missing Legs & Word Problems · 3

A right triangle has a leg of 16 and a hypotenuse of 20. Find the other leg.



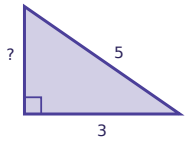
Pythagorean Theorem: Missing Legs & Word Problems · 4

A rectangular screen is 8 inches wide and 15 inches tall. How long is its diagonal?



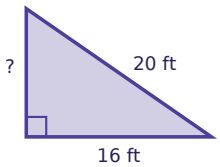
Pythagorean Theorem: Missing Legs & Word Problems · 5

A right triangle has a leg of 3 and a hypotenuse of 5. Find the other leg.



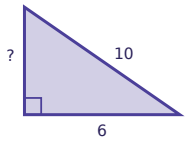
Pythagorean Theorem: Missing Legs & Word Problems · 6

A 20-foot ladder leans against a wall. Its foot is 16 feet from the wall. How high up the wall does the ladder reach?



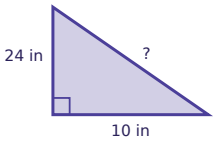
Pythagorean Theorem: Missing Legs & Word Problems · 7

A right triangle has a leg of 6 and a hypotenuse of 10. Find the other leg.



Pythagorean Theorem: Missing Legs & Word Problems · 8

A rectangular screen is 10 inches wide and 24 inches tall. How long is its diagonal?



Pythagorean Theorem: Missing Legs & Word Problems · 2

ANSWER

15

Pythagorean Theorem: Missing Legs & Word Problems · 1

ANSWER

8

Pythagorean Theorem: Missing Legs & Word Problems · 4

ANSWER

17

Pythagorean Theorem: Missing Legs & Word Problems · 3

ANSWER

12

Pythagorean Theorem: Missing Legs & Word Problems · 6

ANSWER

12

Pythagorean Theorem: Missing Legs & Word Problems · 5

ANSWER

4

Pythagorean Theorem: Missing Legs & Word Problems · 8

ANSWER

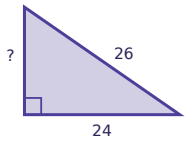
26

Pythagorean Theorem: Missing Legs & Word Problems · 7

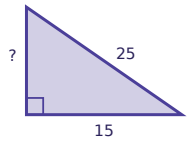
ANSWER

8

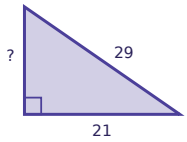
A right triangle has a leg of 24 and a hypotenuse of 26. Find the other leg.



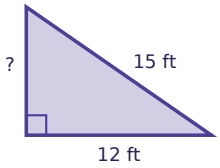
A right triangle has a leg of 15 and a hypotenuse of 25. Find the other leg.



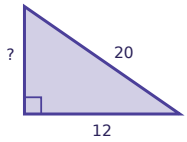
A right triangle has a leg of 21 and a hypotenuse of 29. Find the other leg.



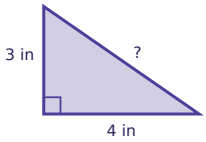
A 15-foot ladder leans against a wall. Its foot is 12 feet from the wall. How high up the wall does the ladder reach?



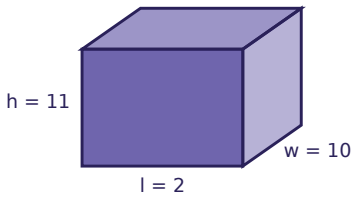
A right triangle has a leg of 12 and a hypotenuse of 20. Find the other leg.



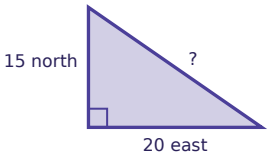
A rectangular screen is 4 inches wide and 3 inches tall. How long is its diagonal?



A box is 2 by 10 by 11 units. How long is the diagonal from one bottom corner to the opposite top corner?



Jo walks 20 blocks east and then 15 blocks north. How far is she from where she started, in a straight line?



Pythagorean Theorem: Missing Legs & Word Problems · 10

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 9

ANSWER

10

Pythagorean Theorem: Missing Legs & Word Problems · 12

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 11

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 14

ANSWER

5

Pythagorean Theorem: Missing Legs & Word Problems · 13

ANSWER

16

Pythagorean Theorem: Missing Legs & Word Problems · 16

ANSWER

25

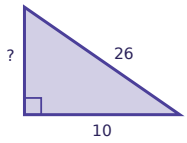
Pythagorean Theorem: Missing Legs & Word Problems · 15

ANSWER

15

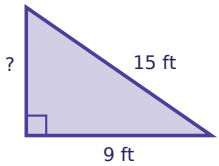
Pythagorean Theorem: Missing Legs & Word Problems · 17

A right triangle has a leg of 10 and a hypotenuse of 26. Find the other leg.



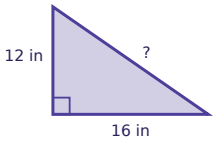
Pythagorean Theorem: Missing Legs & Word Problems · 18

A 15-foot ladder leans against a wall. Its foot is 9 feet from the wall. How high up the wall does the ladder reach?



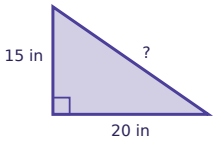
Pythagorean Theorem: Missing Legs & Word Problems · 19

A rectangular screen is 16 inches wide and 12 inches tall. How long is its diagonal?



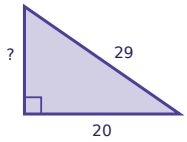
Pythagorean Theorem: Missing Legs & Word Problems · 20

A rectangular screen is 20 inches wide and 15 inches tall. How long is its diagonal?



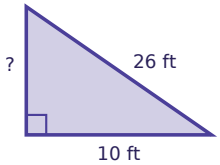
Pythagorean Theorem: Missing Legs & Word Problems · 21

A right triangle has a leg of 20 and a hypotenuse of 29. Find the other leg.



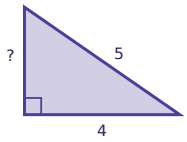
Pythagorean Theorem: Missing Legs & Word Problems · 22

A 26-foot ladder leans against a wall. Its foot is 10 feet from the wall. How high up the wall does the ladder reach?



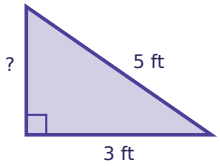
Pythagorean Theorem: Missing Legs & Word Problems · 23

A right triangle has a leg of 4 and a hypotenuse of 5. Find the other leg.



Pythagorean Theorem: Missing Legs & Word Problems · 24

A 5-foot ladder leans against a wall. Its foot is 3 feet from the wall. How high up the wall does the ladder reach?



Pythagorean Theorem: Missing Legs & Word Problems · 18

ANSWER

12

Pythagorean Theorem: Missing Legs & Word Problems · 17

ANSWER

24

Pythagorean Theorem: Missing Legs & Word Problems · 20

ANSWER

25

Pythagorean Theorem: Missing Legs & Word Problems · 19

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 22

ANSWER

24

Pythagorean Theorem: Missing Legs & Word Problems · 21

ANSWER

21

Pythagorean Theorem: Missing Legs & Word Problems · 24

ANSWER

4

Pythagorean Theorem: Missing Legs & Word Problems · 23

ANSWER

3