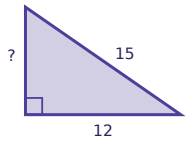
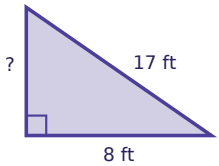
Pythagorean Theorem: Missing Legs & Word Problems · 1

A right triangle has a leg of 12 and a hypotenuse of 15. Find the other leg.



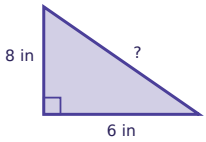
Pythagorean Theorem: Missing Legs & Word Problems · 2

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?



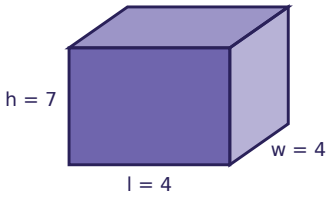
Pythagorean Theorem: Missing Legs & Word Problems · 3

A rectangular screen is 6 inches wide and 8 inches tall. How long is its diagonal?



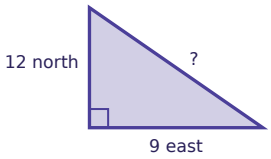
Pythagorean Theorem: Missing Legs & Word Problems · 4

A box is 4 by 4 by 7 units. How long is the diagonal from one bottom corner to the opposite top corner?



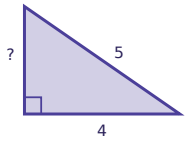
Pythagorean Theorem: Missing Legs & Word Problems · 5

Jo walks 9 blocks east and then 12 blocks north. How far is she from where she started, in a straight line?



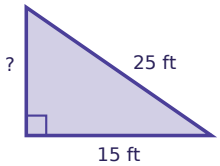
Pythagorean Theorem: Missing Legs & Word Problems · 6

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



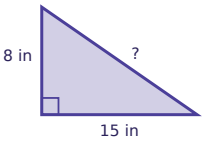
Pythagorean Theorem: Missing Legs & Word Problems · 7

A 25-foot ladder leans against a wall. Its foot is 15 feet from the wall. How high up the wall does the ladder reach?



Pythagorean Theorem: Missing Legs & Word Problems · 8

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



Pythagorean Theorem: Missing Legs & Word Problems · 2

ANSWER

15

Pythagorean Theorem: Missing Legs & Word Problems · 1

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 4

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 3

ANSWER

10

Pythagorean Theorem: Missing Legs & Word Problems · 6

ANSWER

3

Pythagorean Theorem: Missing Legs & Word Problems · 5

ANSWER

15

Pythagorean Theorem: Missing Legs & Word Problems · 8

ANSWER

17

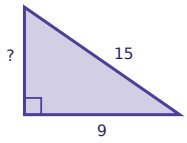
Pythagorean Theorem: Missing Legs & Word Problems · 7

ANSWER

20

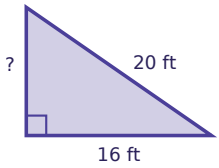
Pythagorean Theorem: Missing Legs & Word Problems · 9

A right triangle has a leg of 9 and a hypotenuse of 15. Find the other leg.



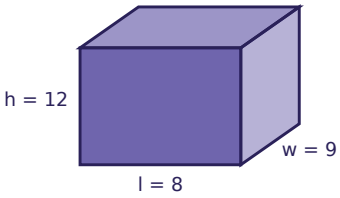
Pythagorean Theorem: Missing Legs & Word Problems · 10

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?



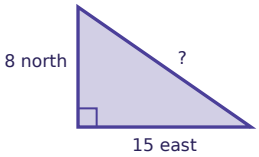
Pythagorean Theorem: Missing Legs & Word Problems · 11

A box is 8 by 9 by 12 units. How long is the diagonal from one bottom corner to the opposite top corner?



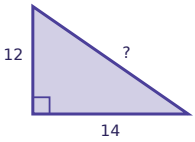
Pythagorean Theorem: Missing Legs & Word Problems · 12

Jo walks 15 blocks east and then 8 blocks north. How far is she from where she started, in a straight line?



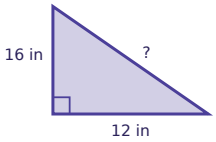
Pythagorean Theorem: Missing Legs & Word Problems · 13

A right triangle has legs 14 and 12. Find the hypotenuse to the nearest tenth.



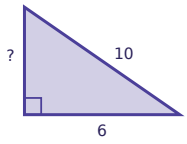
Pythagorean Theorem: Missing Legs & Word Problems · 14

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



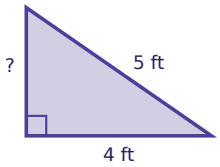
Pythagorean Theorem: Missing Legs & Word Problems · 15

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



Pythagorean Theorem: Missing Legs & Word Problems · 16

A 5-foot ladder leans against a wall. Its foot is 4 feet from the wall. How high up the wall does the ladder reach?



Pythagorean Theorem: Missing Legs & Word Problems · 10

ANSWER

12

Pythagorean Theorem: Missing Legs & Word Problems · 9

ANSWER

12

Pythagorean Theorem: Missing Legs & Word Problems · 12

ANSWER

17

Pythagorean Theorem: Missing Legs & Word Problems · 11

ANSWER

17

Pythagorean Theorem: Missing Legs & Word Problems · 14

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 13

ANSWER

18.4

Pythagorean Theorem: Missing Legs & Word Problems · 16

ANSWER

3

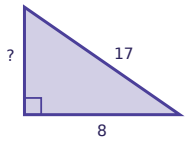
Pythagorean Theorem: Missing Legs & Word Problems · 15

ANSWER

8

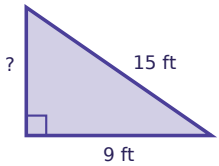
Pythagorean Theorem: Missing Legs & Word Problems · 17

A right triangle has a leg of 8 and a hypotenuse of 17. Find the other leg.



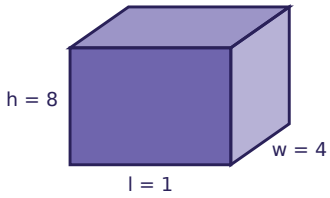
Pythagorean Theorem: Missing Legs & Word Problems · 18

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?



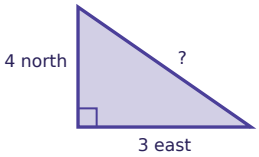
Pythagorean Theorem: Missing Legs & Word Problems · 19

A box is 1 by 4 by 8 units. How long is the diagonal from one bottom corner to the opposite top corner?



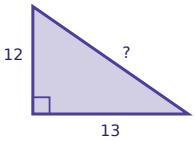
Pythagorean Theorem: Missing Legs & Word Problems · 20

Jo walks 3 blocks east and then 4 blocks north. How far is she from where she started, in a straight line?



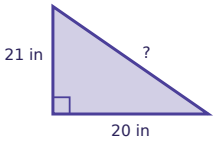
Pythagorean Theorem: Missing Legs & Word Problems · 21

A right triangle has legs 13 and 12. Find the hypotenuse to the nearest tenth.



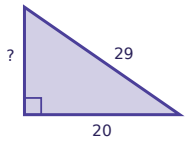
Pythagorean Theorem: Missing Legs & Word Problems · 22

A rectangular screen is 20 inches wide and 21 inches tall. How long is its diagonal?



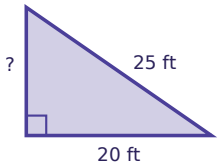
Pythagorean Theorem: Missing Legs & Word Problems · 23

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



Pythagorean Theorem: Missing Legs & Word Problems · 24

A 25-foot ladder leans against a wall. Its foot is 20 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

15

Pythagorean Theorem: Missing Legs & Word Problems · 20

ANSWER

5

Pythagorean Theorem: Missing Legs & Word Problems · 19

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 22

ANSWER

29

Pythagorean Theorem: Missing Legs & Word Problems · 21

ANSWER

17.7

Pythagorean Theorem: Missing Legs & Word Problems · 24

ANSWER

15

Pythagorean Theorem: Missing Legs & Word Problems · 23

ANSWER

21