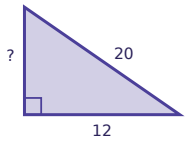
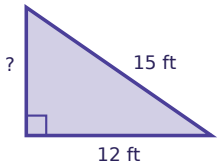
Pythagorean Theorem: Missing Legs & Word Problems · 1

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



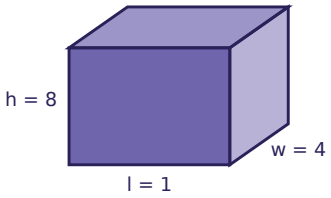
Pythagorean Theorem: Missing Legs & Word Problems · 2

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?



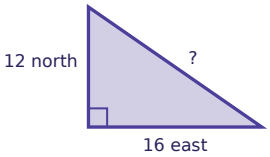
Pythagorean Theorem: Missing Legs & Word Problems · 3

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



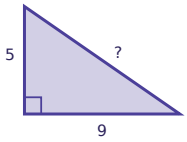
Pythagorean Theorem: Missing Legs & Word Problems · 4

Jo walks 16 blocks east and then 12 blocks north. How far is she from where she started, in a straight line?



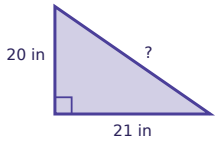
Pythagorean Theorem: Missing Legs & Word Problems · 5

A right triangle has legs 9 and 5. Find the hypotenuse to the nearest tenth.



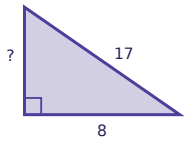
Pythagorean Theorem: Missing Legs & Word Problems · 6

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



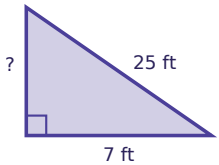
Pythagorean Theorem: Missing Legs & Word Problems · 7

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



Pythagorean Theorem: Missing Legs & Word Problems · 8

A 25-foot ladder leans against a wall. Its foot is 7 feet from the wall. How high up the wall does the ladder reach?



Pythagorean Theorem: Missing Legs & Word Problems · 2

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 1

ANSWER

16

Pythagorean Theorem: Missing Legs & Word Problems · 4

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 3

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 6

ANSWER

29

Pythagorean Theorem: Missing Legs & Word Problems · 5

ANSWER

10.3

Pythagorean Theorem: Missing Legs & Word Problems · 8

ANSWER

24

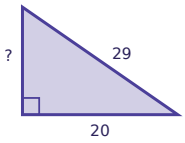
Pythagorean Theorem: Missing Legs & Word Problems · 7

ANSWER

15

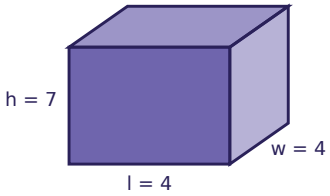
Pythagorean Theorem: Missing Legs & Word Problems · 9

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



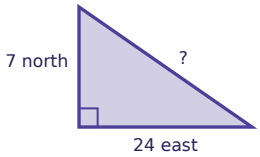
Pythagorean Theorem: Missing Legs & Word Problems · 10

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



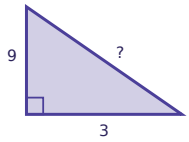
Pythagorean Theorem: Missing Legs & Word Problems · 11

Jo walks 24 blocks east and then 7 blocks north. How far is she from where she started, in a straight line?



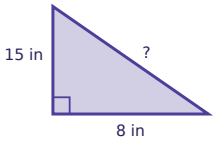
Pythagorean Theorem: Missing Legs & Word Problems · 12

A right triangle has legs 3 and 9. Find the hypotenuse to the nearest tenth.



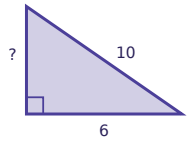
Pythagorean Theorem: Missing Legs & Word Problems · 13

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



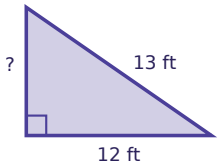
Pythagorean Theorem: Missing Legs & Word Problems · 14

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



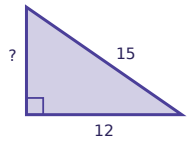
Pythagorean Theorem: Missing Legs & Word Problems · 15

A 13-foot ladder leans against a wall. Its foot is 12 feet from the wall. How high up the wall does the ladder reach?



Pythagorean Theorem: Missing Legs & Word Problems · 16

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



Pythagorean Theorem: Missing Legs & Word Problems · 10

ANSWER

9

Pythagorean Theorem: Missing Legs & Word Problems · 9

ANSWER

21

Pythagorean Theorem: Missing Legs & Word Problems · 12

ANSWER

9.5

Pythagorean Theorem: Missing Legs & Word Problems · 11

ANSWER

25

Pythagorean Theorem: Missing Legs & Word Problems · 14

ANSWER

8

Pythagorean Theorem: Missing Legs & Word Problems · 13

ANSWER

17

Pythagorean Theorem: Missing Legs & Word Problems · 16

ANSWER

9

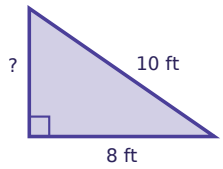
Pythagorean Theorem: Missing Legs & Word Problems · 15

ANSWER

5

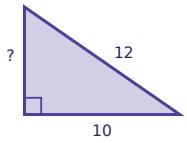
Pythagorean Theorem: Missing Legs & Word Problems · 17

A 10-foot ladder leans against a wall. Its foot is 8 feet from the wall. How high up the wall does the ladder reach?



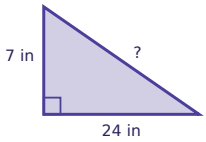
Pythagorean Theorem: Missing Legs & Word Problems · 18

A right triangle has a leg of 10 and a hypotenuse of 12. Find the other leg to the nearest tenth.



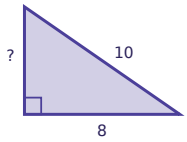
Pythagorean Theorem: Missing Legs & Word Problems · 19

A rectangular screen is 24 inches wide and 7 inches tall. How long is its diagonal?



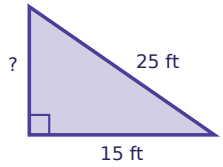
Pythagorean Theorem: Missing Legs & Word Problems · 20

A right triangle has a leg of 8 and a hypotenuse of 10. Find the other leg.



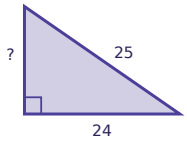
Pythagorean Theorem: Missing Legs & Word Problems · 21

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?



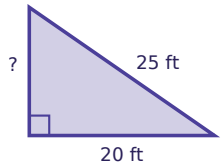
Pythagorean Theorem: Missing Legs & Word Problems · 22

A right triangle has a leg of 24 and a hypotenuse of 25. Find the other leg.



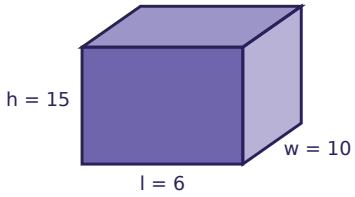
Pythagorean Theorem: Missing Legs & Word Problems · 23

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 · 24

A box is 6 by 10 by 15 units. How long is the diagonal from one bottom corner to the opposite top corner?



Pythagorean Theorem: Missing Legs & Word Problems · 18

ANSWER

6.6

Pythagorean Theorem: Missing Legs & Word Problems · 17

ANSWER

6

Pythagorean Theorem: Missing Legs & Word Problems · 20

ANSWER

6

Pythagorean Theorem: Missing Legs & Word Problems · 19

ANSWER

25

Pythagorean Theorem: Missing Legs & Word Problems · 22

ANSWER

7

Pythagorean Theorem: Missing Legs & Word Problems · 21

ANSWER

20

Pythagorean Theorem: Missing Legs & Word Problems · 24

ANSWER

19

Pythagorean Theorem: Missing Legs & Word Problems · 23

ANSWER

15