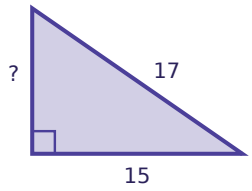
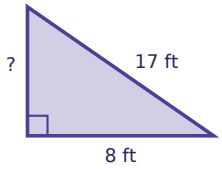
Task card 1 Pythagorean Theorem: Missing Legs...

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



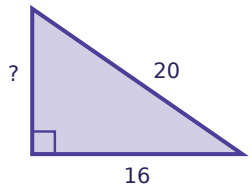
Task card 2 Pythagorean Theorem: Missing Legs...

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?



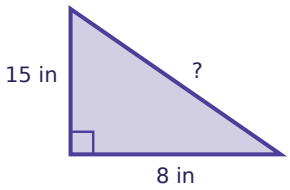
Task card 3 Pythagorean Theorem: Missing Legs...

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



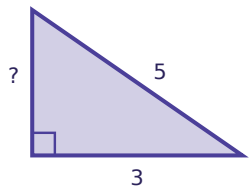
Task card 4 Pythagorean Theorem: Missing Legs...

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



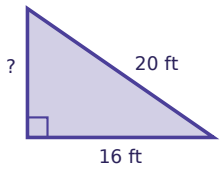
Task card 5 Pythagorean Theorem: Missing Legs...

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



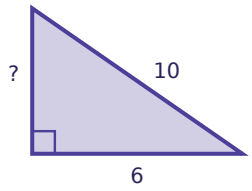
Task card 6 Pythagorean Theorem: Missing Legs...

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?



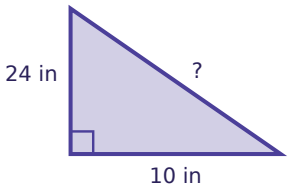
Task card 7 Pythagorean Theorem: Missing Legs...

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



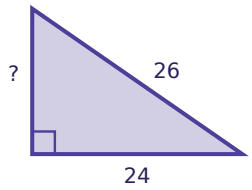
Task card 8 Pythagorean Theorem: Missing Legs...

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



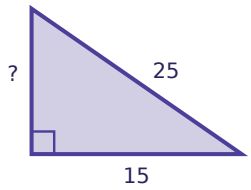
Task card 9 Pythagorean Theorem: Missing Legs...

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



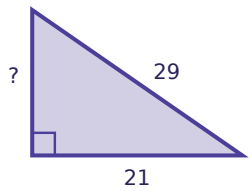
Task card 10 Pythagorean Theorem: Missing Legs...

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



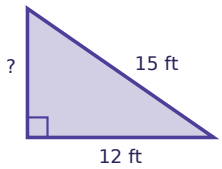
Task card 11 Pythagorean Theorem: Missing Legs...

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



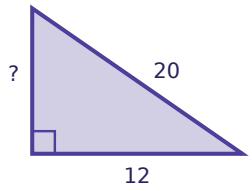
Task card 12 Pythagorean Theorem: Missing Legs...

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?



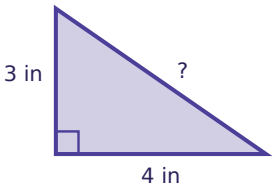
Task card 13 Pythagorean Theorem: Missing Legs...

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



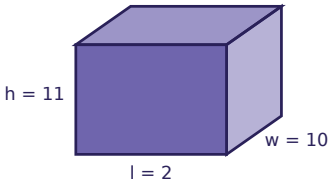
Task card 14 Pythagorean Theorem: Missing Legs...

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



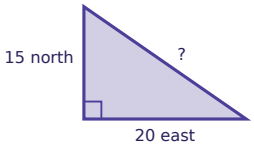
Task card 15 Pythagorean Theorem: Missing Legs...

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



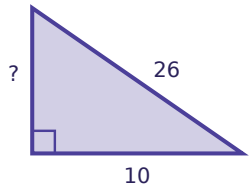
Task card 16 Pythagorean Theorem: Missing Legs...

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



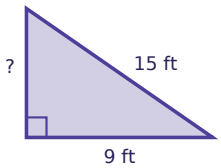
Task card 17 Pythagorean Theorem: Missing Legs...

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



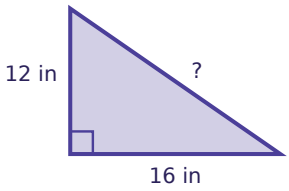
Task card 18 Pythagorean Theorem: Missing Legs...

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?



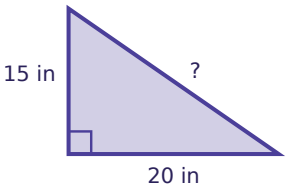
Task card 19 Pythagorean Theorem: Missing Legs...

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



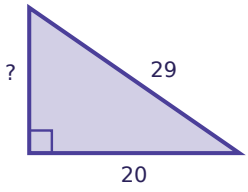
Task card 20 Pythagorean Theorem: Missing Legs...

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



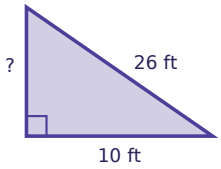
Task card 21 Pythagorean Theorem: Missing Legs...

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



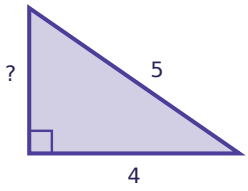
Task card 22 Pythagorean Theorem: Missing Legs...

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?



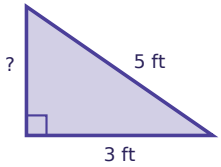
Task card 23 Pythagorean Theorem: Missing Legs...

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



Task card 24 Pythagorean Theorem: Missing Legs...

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 Task Cards

Recording sheet · Grade 8 · Use a^2 + b^2 = c^2. Round to the nearest tenth when the answer is not a whole number.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Pythagorean Theorem: Missing Legs & Word Problems Task Cards: Answer Key

Grade 8 · Easy

The answers online

1. 8	**2.** 15	**3.** 12
4. 17	**5.** 4	**6.** 12
7. 8	**8.** 26	**9.** 10
10. 20	**11.** 20	**12.** 9
13. 16	**14.** 5	**15.** 15
16. 25	**17.** 24	**18.** 12
19. 20	**20.** 25	**21.** 21
22. 24	**23.** 3	**24.** 4