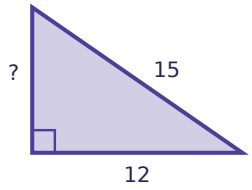
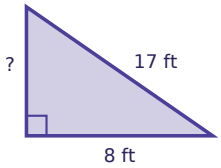
Task card 1 Pythagorean Theorem: Missing Legs...

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



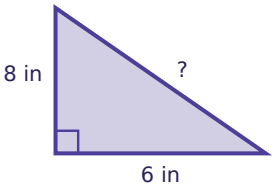
Task card 2 Pythagorean Theorem: Missing Legs...

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?



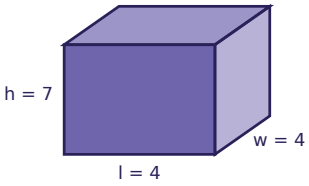
Task card 3 Pythagorean Theorem: Missing Legs...

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



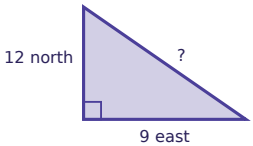
Task card 4 Pythagorean Theorem: Missing Legs...

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



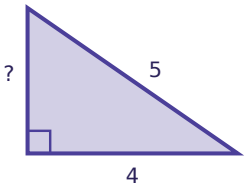
Task card 5 Pythagorean Theorem: Missing Legs...

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



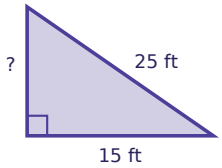
Task card 6 Pythagorean Theorem: Missing Legs...

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



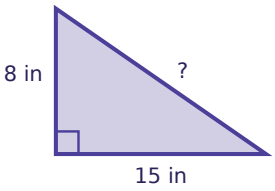
Task card 7 Pythagorean Theorem: Missing Legs...

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?



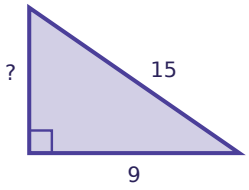
Task card 8 Pythagorean Theorem: Missing Legs...

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



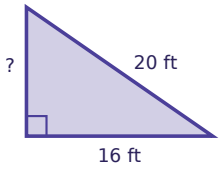
Task card 9 Pythagorean Theorem: Missing Legs...

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



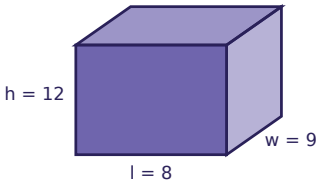
Task card 10 Pythagorean Theorem: Missing Legs...

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?



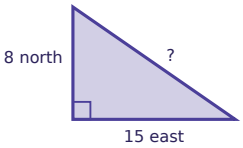
Task card 11 Pythagorean Theorem: Missing Legs...

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



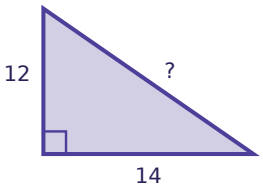
Task card 12 Pythagorean Theorem: Missing Legs...

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



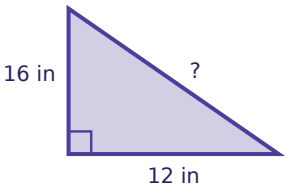
Task card 13 Pythagorean Theorem: Missing Legs...

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



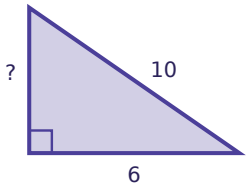
Task card 14 Pythagorean Theorem: Missing Legs...

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



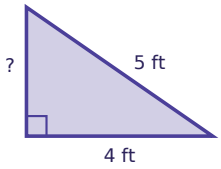
Task card 15 Pythagorean Theorem: Missing Legs...

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



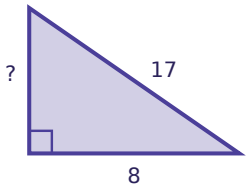
Task card 16 Pythagorean Theorem: Missing Legs...

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?



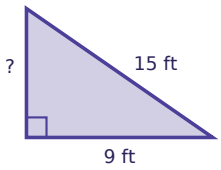
Task card 17 Pythagorean Theorem: Missing Legs...

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



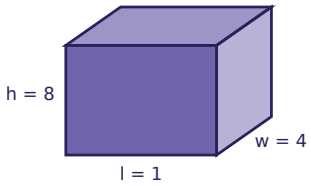
Task card 18 Pythagorean Theorem: Missing Legs...

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?



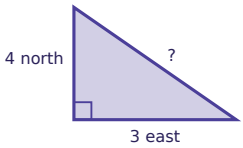
Task card 19 Pythagorean Theorem: Missing Legs...

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



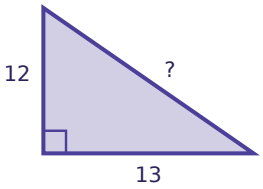
Task card 20 Pythagorean Theorem: Missing Legs...

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



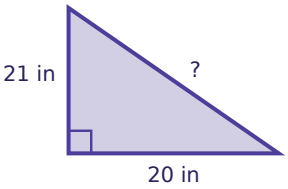
Task card 21 Pythagorean Theorem: Missing Legs...

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



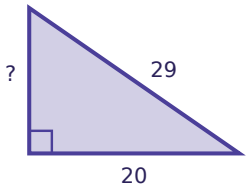
Task card 22 Pythagorean Theorem: Missing Legs...

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



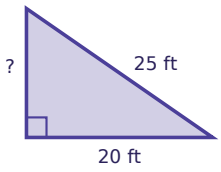
Task card 23 Pythagorean Theorem: Missing Legs...

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



Task card 24 Pythagorean Theorem: Missing Legs...

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 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 · Medium

The answers online

1. 9	**2.** 15	**3.** 10
4. 9	**5.** 15	**6.** 3
7. 20	**8.** 17	**9.** 12
10. 12	**11.** 17	**12.** 17
13. 18.4	**14.** 20	**15.** 8
16. 3	**17.** 15	**18.** 12
19. 9	**20.** 5	**21.** 17.7
22. 29	**23.** 21	**24.** 15