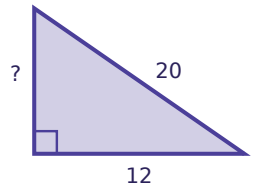
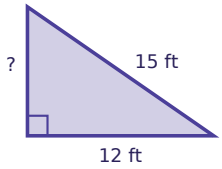
Task card 1 Pythagorean Theorem: Missing Legs...

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



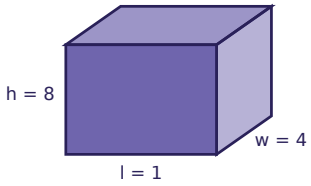
Task card 2 Pythagorean Theorem: Missing Legs...

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?



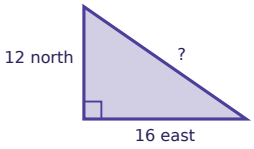
Task card 3 Pythagorean Theorem: Missing Legs...

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



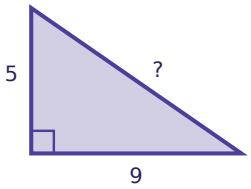
Task card 4 Pythagorean Theorem: Missing Legs...

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



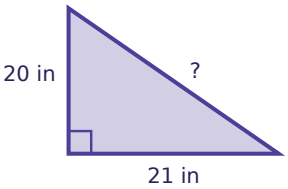
Task card 5 Pythagorean Theorem: Missing Legs...

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



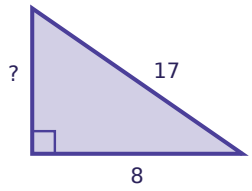
Task card 6 Pythagorean Theorem: Missing Legs...

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



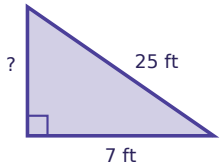
Task card 7 Pythagorean Theorem: Missing Legs...

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



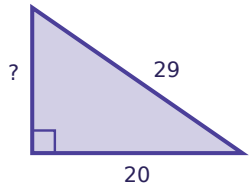
Task card 8 Pythagorean Theorem: Missing Legs...

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?



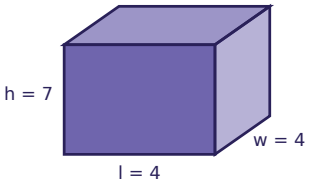
Task card 9 Pythagorean Theorem: Missing Legs...

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



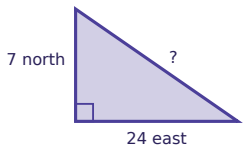
Task card 10 Pythagorean Theorem: Missing Legs...

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



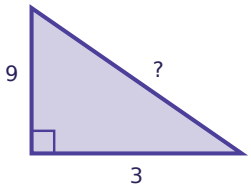
Task card 11 Pythagorean Theorem: Missing Legs...

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



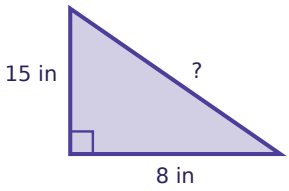
Task card 12 Pythagorean Theorem: Missing Legs...

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



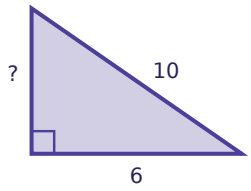
Task card 13 Pythagorean Theorem: Missing Legs...

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



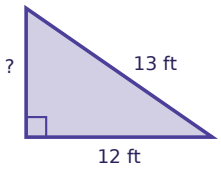
Task card 14 Pythagorean Theorem: Missing Legs...

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



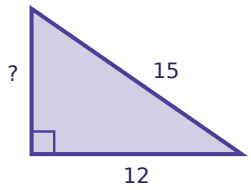
Task card 15 Pythagorean Theorem: Missing Legs...

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?



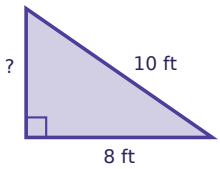
Task card 16 Pythagorean Theorem: Missing Legs...

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



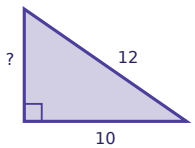
Task card 17 Pythagorean Theorem: Missing Legs...

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?



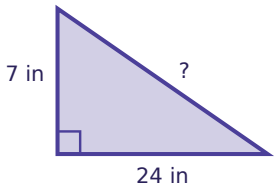
Task card 18 Pythagorean Theorem: Missing Legs...

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



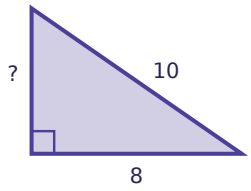
Task card 19 Pythagorean Theorem: Missing Legs...

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



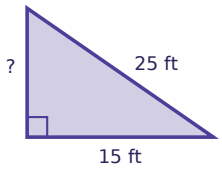
Task card 20 Pythagorean Theorem: Missing Legs...

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



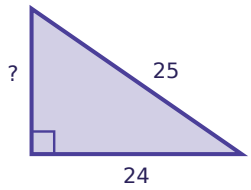
Task card 21 Pythagorean Theorem: Missing Legs...

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?



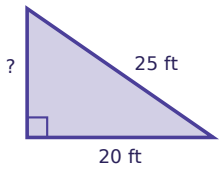
Task card 22 Pythagorean Theorem: Missing Legs...

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



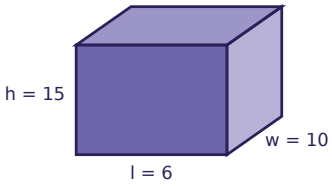
Task card 23 Pythagorean Theorem: Missing Legs...

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?



Task card 24 Pythagorean Theorem: Missing Legs...

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 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 · Hard

The answers online

1. 16	**2.** 9	**3.** 9
4. 20	**5.** 10.3	**6.** 29
7. 15	**8.** 24	**9.** 21
10. 9	**11.** 25	**12.** 9.5
13. 17	**14.** 8	**15.** 5
16. 9	**17.** 6	**18.** 6.6
19. 25	**20.** 6	**21.** 20
22. 7	**23.** 15	**24.** 19