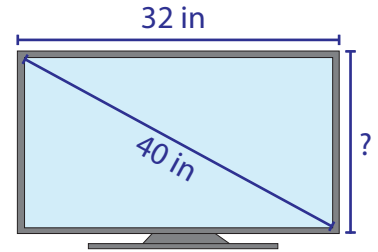


Pythagorean Theorem

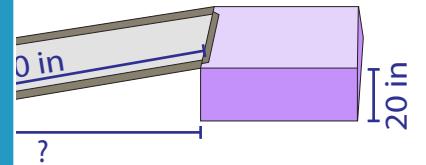
Level 2: S3

Solve the word problems. Round the answer to the nearest tenth.

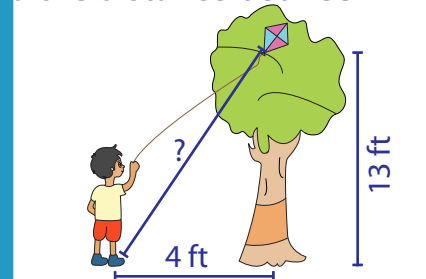
- 1) Rebecca bought an LED television set that is 32 inches long. The diagonal length measures 40 inches. What is the width of the television screen?



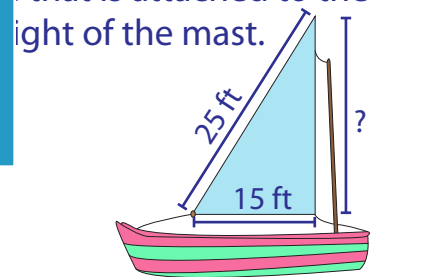
- 2) A ramp is elevated to a height of 20 inches. The length of the ramp is 40 inches. What is the horizontal distance it covers?



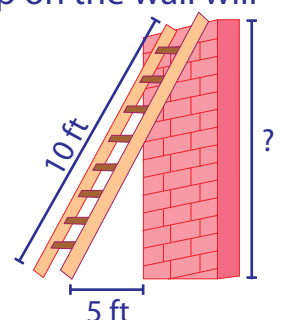
- 3) Daniel was flying a kite 100 feet high. Daniel is standing 40 feet from the base of a tree. The tree is 13 feet tall. What is the distance between Daniel and the kite?



- 4) The mast of a sailboat is 25 feet long. The deck is 15 feet away from the base of the mast. How high up on the mast is the sail attached to the deck?



- 5) Paul props a ladder against a wall which measures 10 feet. How high up on the wall will the ladder reach, if the foot of the ladder is 5 feet away from the wall?



PREVIEW

Access the largest collection of
worksheets for just **\$19.95** per year!

Members, please
log in to
download this
worksheet.

Log in

Not a member?
Please sign up to
gain complete
access.

Sign up

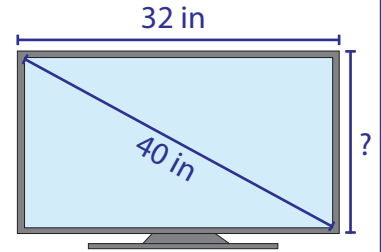
www.mathworksheets4kids.com

Pythagorean Theorem

Level 2: S3

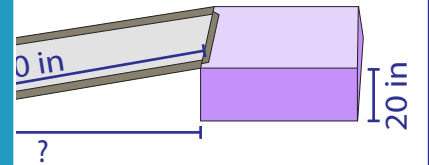
Solve the word problems. Round the answer to the nearest tenth.

- 1) Rebecca bought an LED television set that is 32 inches long. The diagonal length measures 40 inches. What is the width of the television screen?



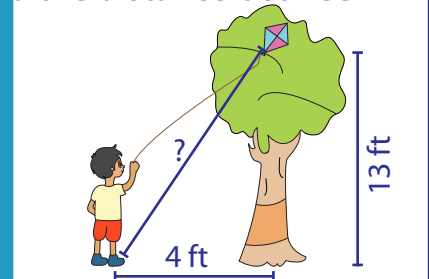
24 inches

- 2) A ramp is elevated to a height of 20 inches. The length of the ramp is 40 inches. What is the horizontal distance from the base of the ramp to the wall it is leaning against?



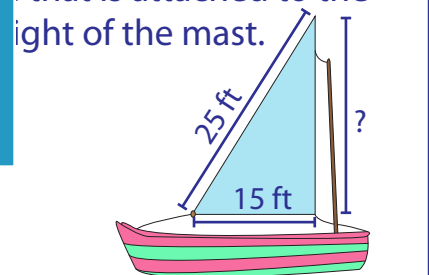
34.6 inches

- 3) Daniel was flying a kite. The kite is 13 feet high. Daniel is standing 4 feet away from the base of the tree. What is the distance between Daniel and the kite?



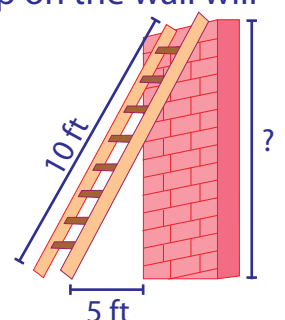
13.6 feet

- 4) The mast of a sailboat is 15 feet long. The distance from the tip of the mast to the deck is 25 feet. How far is the deck from the base of the mast?



20 feet

- 5) Paul props a ladder against a wall which measures 10 feet. How high up on the wall will the ladder reach, if the foot of the ladder is 5 feet away from the wall?



8.7 feet

PREVIEW

Access the largest collection of worksheets for just **\$19.95** per year!

Members, please log in to download this worksheet.

Log in

Not a member? Please sign up to gain complete access.

Sign up

www.mathworksheets4kids.com