
Problem	Answer	Problem	Answer
1. A 13 ft ladder has its foot 5 ft from a wall. How high does it reach?		4. A ramp rises 1 m over a horizontal 12 m. How long is the ramp?	
2. A TV is 48 in wide and 27 in tall. What is its diagonal?		5. A square field has sides of 40 m. How long is the diagonal?	
3. Walk 6 km east and 8 km north. How far from the start?		6. A kite string is 50 m long and the kite is 30 m horizontally away. How high is it?	

Answer key — Pythagoras in real life

#	Problem	Answer
1	A 13 ft ladder has its foot 5 ft from a wall. How high does it reach?	12 ft
2	A TV is 48 in wide and 27 in tall. What is its diagonal?	≈ 55.1 in
3	Walk 6 km east and 8 km north. How far from the start?	10 km
4	A ramp rises 1 m over a horizontal 12 m. How long is the ramp?	≈ 12.04 m
5	A square field has sides of 40 m. How long is the diagonal?	$40\sqrt{2} \approx 56.57$ m
6	A kite string is 50 m long and the kite is 30 m horizontally away. How high is it?	40 m

Notes