

# WS

17 Evaluate.

a)  $(+9) \times (+10)$

b)  $(+6) \times (-11)$

c)  $(+96) \div (-16)$

d)  $(+39) \div (+3)$

e)  $(-8) \times (+6)$

f)  $(-36) \div (+9)$

g)  $(-44) \div (-4)$

h)  $(-5) \times (-1)$

18) Find the missing term

a)  $\quad \div (-6) = (-10)$

b)  $(+44) \div \quad = (-4)$

c)  $(+24) \div \quad = (-6)$

c)  $(+48) \div \quad = (+4)$

d)  $(+14) \times (-2) = \quad$

e)  $(-1) \times \quad = (+105)$

f)  $\quad \div (-10) = (-5)$

g)  $(-18) \times (-4) = \quad$

h)  $(-54) \div \quad = (+9)$

i)  $\quad \div (-12) = (+96)$

## Quiz & Worksheet - Formula for Independent Events in Probability

WS

1. A bag contains 6 red, 2 yellow, and 7 orange marbles. What is the probability of drawing two red marbles out of the bag (with replacement)?

- 2/5
- 3/5
- 4/25
- 1/7

2. A jar contains 4 yellow, 3 blue, 5 orange, and 8 black balls. What is the probability of reaching into the jar and pulling out a blue and an orange ball (with replacement)?

- 3/80
- 1/5
- 3/76
- None of the answers are correct.

3.

What is the probability of the following compound event involving a coin and a standard die?

$P(\text{Heads, Odd \#})$

- 3/4
- 1/2
- 0
- 1/4

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1.



Ricardo has the spinner pictured here and a bag of marbles filled with 2 red marbles, 3 green marbles, and 3 blue marbles. What is the probability that Ricardo spins red on the spinner and picks a red marble out of the bag?

A  $1/2$

B  $1/8$

C  $1/4$

D  $1/16$

2. How many outcomes are there with tossing a coin and rolling a dice?

A 2

B 24

C 6

D 12

3.



What is the probability of picking a blue marble, putting it back in the bag, then picking a red marble?

A  $\frac{3}{7} \times \frac{3}{7}$

B  $\frac{4}{7} \times \frac{3}{6}$

C  $\frac{4}{7} \times \frac{3}{7}$

D  $\frac{4}{7} \times \frac{4}{7}$

4.



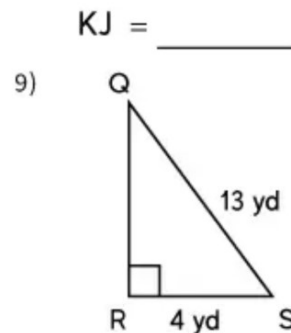
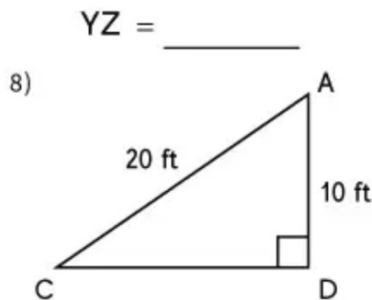
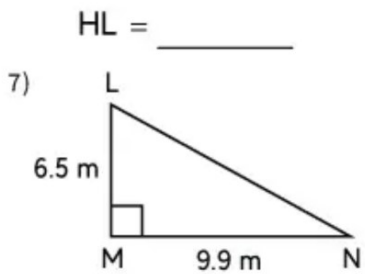
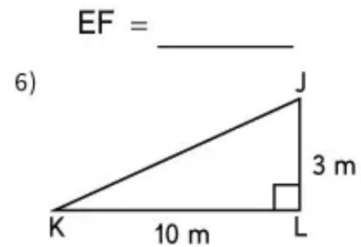
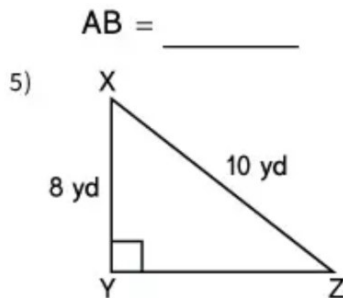
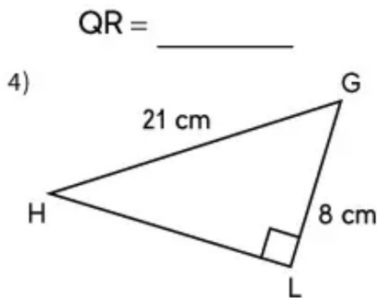
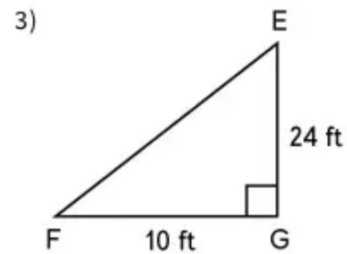
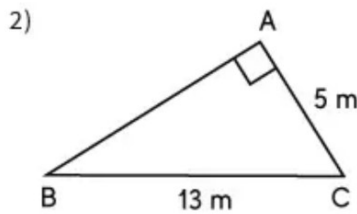
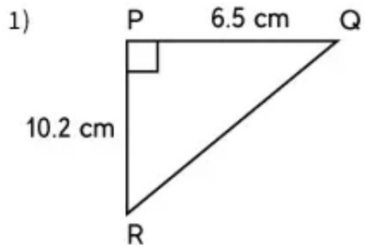
If you spin two times, what is the probability of landing on green both times?

Name: \_\_\_\_\_ Date: \_\_\_\_\_



# WS 'Pythagoras' Theorem Worksheet

Find the lengths of the unknown sides in the given right triangles.



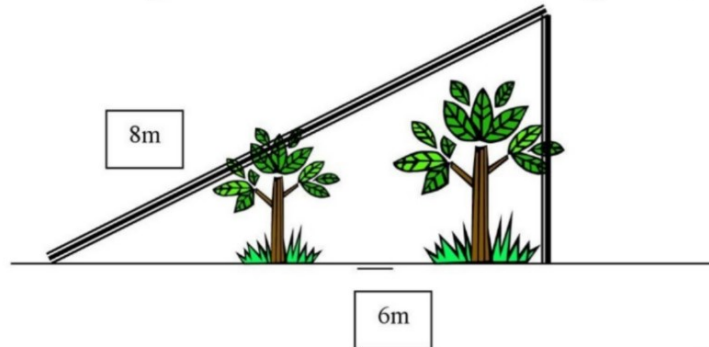
LN = \_\_\_\_\_

CD = \_\_\_\_\_

QR = \_\_\_\_\_

Q3) A ladder is 8 metres long. It leans against a wall with one end on the ground 6 metre from the wall. The other end just reaches a windowsill. Calculate the height of the windowsill above the ground.

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Determine whether each set of numbers is a Pythagorean triple.

1) 6, 8, 10

2) 16, 7, 3

3) 32, 21, 26

4) 20, 25, 15