

How Much Did Captain Hook Have to Pay for His Earrings?



For each problem, label a variable (let x = the unknown), then write and solve an equation. Find your equation in the column at the right. Write the letter of the equation in the box at the bottom that contains the problem solution.

- 1 Ben and Jerry together scored 50 points in the big game. If Ben scored 16 points, how many points did Jerry score?
- 2 Marble Middle School paid \$500 for 16 graphing calculators. What was the cost for each calculator?
- 3 On first down, a football team lost 16 yd. After two downs, the team had an overall gain of 5 yd. How many yards were gained on second down?
- 4 One sixth of the candies in a bag of M&M's are orange. If there are 15 orange candies, how many M&M's are in the bag?
- 5 A scuba diver dove 16 ft to an elevation of -50 ft. What was her elevation before the dive?
- 6 The number of elephants at the circus was two fifths of the number of horses. If there were 16 elephants, how many horses were there?
- 7 A chest was resting on the ocean floor 500 ft below the surface. It was lifted to the deck of a ship 16 ft above the surface. How far was the chest lifted?
- 8 If you divide the age of Grampa Gump by 16, you get the age of Junior Gump. If Junior is 5 years old, how old is Grampa?
- 9 At Maxx Middle School, there are 30 times as many students as teachers. If there are 450 students, how many teachers are there?
- 10 Kodak cut a pizza into eight equal slices and ate three of them. If his meal had 450 calories, how many calories were in the entire pizza?

equations

R $30x = 450$

S $x - \frac{1}{6} = 15$

E $x + 16 = 50$

U $\frac{2}{5}x = 16$

C $-16 + x = 5$

T $\frac{30}{x} = 450$

B $\frac{3}{8}x = 450$

A $16x = 500$

K $\frac{x}{16} = 5$

A $x - 16 = -50$

O $x \div \frac{2}{5} = 16$

N $\frac{1}{6}x = 15$

L $8x - 3x = 450$

A $-500 + x = 16$

25 yd	\$31.25	486 ft	1200 cal	40	21 yd	80	32	516 ft	90	960 cal	34	-34 ft	15	\$34.75
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