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<i>Algebra</i> Solving Equations with multiple variables Mean, Median, Mode, Range	Name	e:	
Solve each equation for the given variable.			
1. $4x + a = y$; solve for a	I = prt; solv	lve for r	
3 A = bh; solve for b	a = a sol	live for a	
5. $A = 011$, solve for 0	$\frac{-}{b}$ - c, sol		
5. $3y + 2x = z$; solve for y	$\frac{a+b}{a+b} = d$	l; solve for a	
	С		

8. $\blacktriangle - \Box = \circ$; solve for \blacktriangle

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7. $\Box \cdot \circ = \blacktriangle$; solve for \Box

Write and solve an equation for each value of x (hint: Mean = $\frac{Sum \ of \ all \ numbers}{Total \ number \ of \ items}$)

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Find the mean, median, mode, and range for each set of data.

11. Number of points scored in 6 football games: 34 20 17 13 13 14

a) Mean:

b) Median:

c) Mode: d) Range:

12. Scores on seven 10 point quizzes: 8 9 7 9 10 8 9

a) Mean:

- b) Median:
- c) Mode: d) Range:

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13. Suppose your grades on three history exams are 82, 91, and 92. What grade do you need on your next exam to have a 90 average on the four exams? (hint: write an equation and solve.)

Bonus: Jimmy leaves his house at 1 P.M. and travels at a rate of 35 mi/h. Sally leaves the same house 1 hour later and travels at a rate of 50 mi/h. How long will it take Sally to catch Jimmy?

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