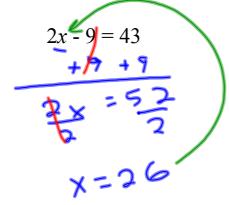
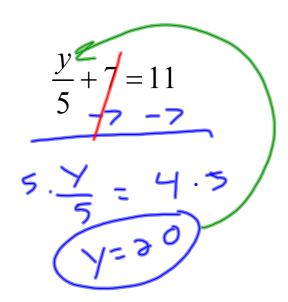
## Unit 2 Notes

Ex. 1 Solve the equation:



Ex. 2 Solve.



Ex. 3 Solve.

$$\frac{y+7}{5} = 11.5$$

$$\frac{y+7}{5} = 11.5$$

$$\frac{y+7}{7} = \frac{5.5}{7}$$

$$\frac{y+7}{7} = \frac{5.5}{7}$$

Ex. 4 Solve.

$$\frac{\frac{2}{3}n - 5}{\frac{1}{5} + 5} = 11$$

$$\frac{1}{5} \cdot n = 16$$

$$\frac{1}{3} \cdot n = 16 \cdot 3$$

Ex. 5 Solve.

$$3x + 2(4x - 5) = 6(2x - 7)$$

$$3 \times + 8 \times -10 = 12 \times -12$$

$$11 \times -10 = 12 \times -12$$

$$-12 \times +10 = 12 \times -12$$

$$-13 \times +10 = 12 \times -12$$

$$-13 \times +10 = 12 \times -12$$

$$-14 \times +10 = -32 \times -12$$

$$-15 \times +10 = -32 \times -12$$

Ex. 6 Solve for x.

$$ax - p = A$$

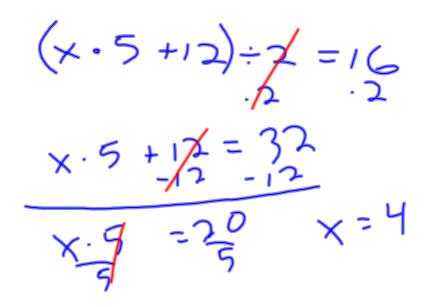
$$+P + P$$

$$3x = A + P$$

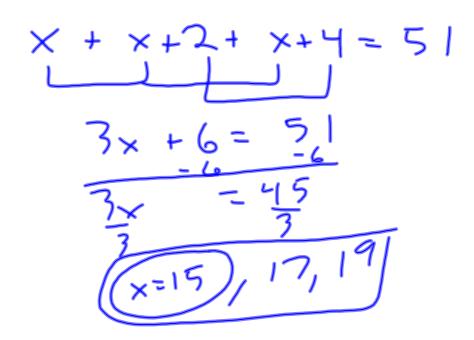
$$3x = A + P$$

$$4x = A + P$$

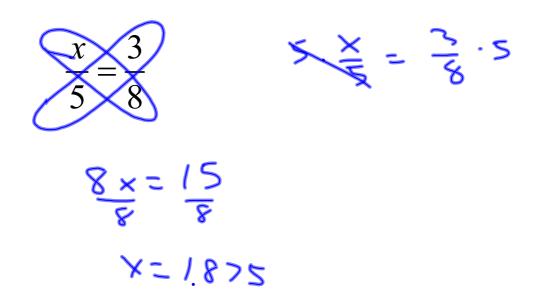
Ex. 7 A number is multiplied by 5. The result is increased by 12. Then this result is divided by 2 to give a final answer of 16. What is the starting number?



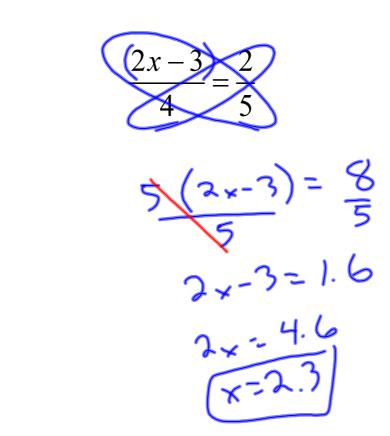
Ex. 8 Find three consecutive odd numbers whose sum is 51.



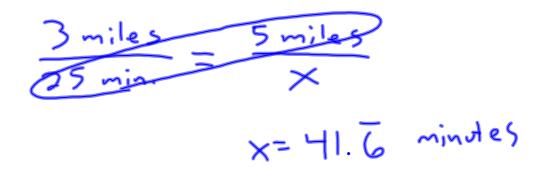
Ex. 9 Solve.

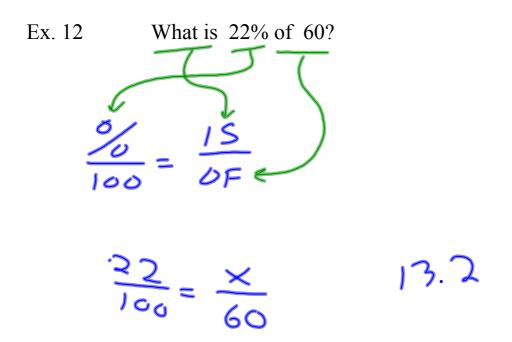


Ex. 10 Solve.



Ex. 11 Mr. Ebert can run 3 miles in 25 minutes. At this pace, how long will it take him to run 5 miles?





Ex. 13

20 is 60% of what number?

