

Class Name : *MT* Math 095 MW Fall 18 - Math 095
MW Fall18 B02

Instructor Name : Bottom

Student Name : _____

Instructor Note : _____

1. Solve for x .

$$6 + x = 7$$

2. Solve for v .

$$\frac{v}{3} = 48$$

Simplify your answer as much as possible.

3. Solve for y .

$$\frac{7}{3}y = 14$$

Simplify your answer as much as possible.

4. Solve for x .

$$184 = -x + 63$$

5. For each value of w , determine whether it is a solution to $6 - 8w = -2$.

w	Is it a solution?	
	Yes	No
0	☐	☐
5	☐	☐
-3	☐	☐
1	☐	☐

6. Solve for u .

$$14 = 2u - 8$$

Simplify your answer as much as possible.

7. Solve for x .

$$-8 = \frac{x + 29}{-6}$$

Simplify your answer as much as possible.

8. Solve for x .

$$3x + 63 + 2x = 8$$

Simplify your answer as much as possible.

9. Solve for x .

$$-16 = -7x + 3(x + 8)$$

Simplify your answer as much as possible.

10. Solve for y .

$$\frac{y}{2} - \frac{5}{6} = \frac{y}{3}$$

Simplify your answer as much as possible.

11. For each equation, choose the statement that describes its solution.

If applicable, give the solution.

$-2(x + 4) + 6x = 4(x - 3)$
☐ No solution
☐ $x =$
☐ All real numbers are solutions
$2(u - 1) + 8 = 6(2u - 4)$
☐ No solution
☐ $u =$
☐ All real numbers are solutions

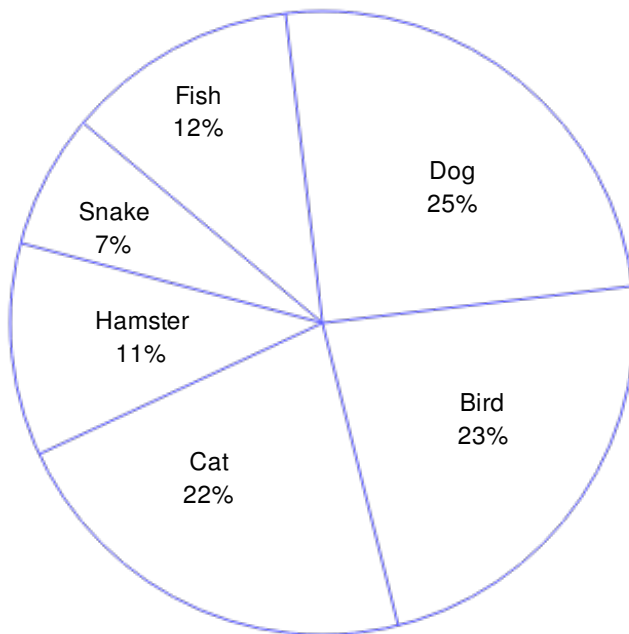
12. A washer and a dryer cost \$1007 combined. The washer costs \$57 more than the dryer. What is the cost of the dryer?

13. What is 80% of 46?

14. The price of an item has been reduced by 85%. The original price was \$63.

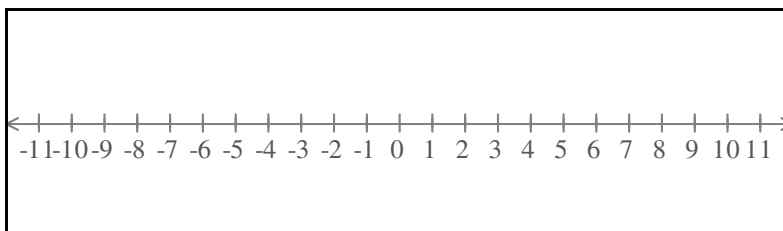
Use a calculator to find the price of the item now.

15. The citizens of a city were asked to choose their favorite type of pet. The circle graph shows how the citizens answered. If 110,000 citizens answered the question, how many chose Bird?



16. Graph the inequality below on the number line.

$$y < 0$$



17. Solve the inequality for x .

$$x - 13 < -11$$

Simplify your answer as much as possible.

18. Solve the inequality for u .

$$-15 > -5u$$

Simplify your answer as much as possible.

19. Solve the inequality for x .

$$-2 + 5x \leq 18$$

Simplify your answer as much as possible.

20. Solve the inequality for w .

$$5 - 4w \leq 13 - 2w$$

Simplify your answer as much as possible.