

Name: _____

Date: _____

Period: _____

PERCENT WORD PROBLEMS (TAX, TIP, DISCOUNT)

Solve each problem. Remember to label ^{their} your answers.

1. The Kerwoods went out to eat at Chilles. If ~~there~~ ^{their} bill was \$58.65 and they gave their server a 15% tip, how much did they pay altogether?

$$58.65(.15) = 8.80 \quad \text{+tip}$$

$$58.65 + 8.80 = \text{\$67.45}$$

2. Ms. Acton spent \$205.60 at Target. If the sales tax is 6%, what was her final bill?

$$205.6(.06) = 12.34 \quad \text{TAX}$$

$$\text{\$217.94}$$

3. Macy's is having a one-day 35% off special. If Sara bought \$124.50 worth of items, what would the final bill total after applying the discount of 35%?

(no tax assumed)

$$124.5(.35) = 43.58$$

$$124.50 - 43.58 =$$

$$\text{\$80.93}$$

4. Mark and his three friends ate out at Applebee's. Their bill totaled \$52.35. If they left the server a 20% tip, how much would each person pay splitting the bill evenly?

$$52.35(.2) = 10.47 \quad \text{tip}$$

$$52.35 + 10.47 = 62.82$$

about

$$\text{\$15.71 per person}$$

4 people

5. A soccer team played 32 games. If they won 25% of them, how many games did the team win?

$$32(.25) =$$

They won 8 games.

6. Sugar-free gum contains 40% less calories than regular gum. If a piece of regular gum contains 40 calories, how many calories does a piece of sugar-free gum contain?

$$40 - .4(40) =$$

$$40 - 16 = 24$$

The sugar-free gum has 24 calories.

7. Ms. Stoner purchased a new computer for \$1,150 at the Apple Store. If sales tax is 7.5%, what was the total of her purchase?

$$1150(.075) = 86.25 \quad \text{tax}$$

$$1150 + 86.25 =$$

$$\text{\$1236.25}$$

8. Vicky made some purchases at the Sunflower Market. She bought strawberries for \$3.50, carrots for \$2.25 and a bouquet of flowers for \$9.95. If sales tax is 5%, what will Maria pay altogether?

$$.05(3.5 + 2.25 + 9.95) = .79 \quad \text{tax}$$

$$15.70 + .79 = \text{\$16.49}$$

9. Aimee is decorating her new house. She found a table at Pier One for \$425. If the table is 25% off, what will it cost?

$$(425)(.25) = 106.25 \text{ off}$$

$$425 - 106.25 =$$

$$\boxed{\$318.75}$$

10. Mrs. Margul paid \$125 to have her hair colored and cut. If she tips her hairdresser 15%, what is her total bill?

$$125(.15) = \text{tip } 18.75$$

$$125 + 18.75 = \boxed{\$143.75}$$

11. The Andersons went to dinner at the Olive Garden. If their dinner cost \$42.95 and they left a 15% tip for their server, how much did they pay altogether?

$$42.95(.15) = \text{tip } 6.44$$

$$42.95 + 6.44 =$$

$$\boxed{\$49.39}$$

12. Justin and his friend Dan went to the movies. If they each bought popcorn for \$4.25 and a soda for \$2.25, what was their total bill after adding 5% sales tax?

$$2(4.25 + 2.25)$$

$$13(.05) = .65 \text{ tax}$$

$$13 + .65 = \boxed{\$13.65}$$

13. Best Buy was having a 20% off sale on all flat screen TVs. What would the sale price of a \$350 TV be?

$$350(.2) = 70$$

$$350 - 70 = \boxed{\$280}$$

14. Ryan transfers 15% of his monthly pay into a savings account. If Max makes \$1850 per month, how much will he save in a year?

$$1850(.15) = 277.50/\text{mo}$$

$$277.5(12) =$$

$$\boxed{\$3330.00}$$

15. The Richards family bought some new camping gear at REI that totaled \$318.50. If they receive a 30% discount, what is their total bill? (assuming no tax)

$$318.50(.3) = 95.55$$

~~318.50~~

$$318.50 - 95.55 =$$

$$\boxed{\$222.95}$$

16. Jen borrowed \$1500 from her parents for car repairs. She plans to take 10% of her \$450 weekly income to pay them back. At this rate, how many weeks will it take her to pay off the ~~long~~ loan?

$$10\% (450) = .1(450) = 45$$

$$\frac{45w}{45} = \frac{1500}{45}$$

It will take her 33.3 weeks, so 34 weeks to pay back her parents.