

1. If 45% of a number, n , is 225, what is 74% of n ?

1. 185 2. 298
3. 370 4. 406

$$\frac{.45n}{.45} = \frac{225}{.45}$$

$$n = 500$$

$$.74n = ?$$

$$.74(500) = \underline{370}$$

2. Sarah earns \$400 per week and spends 15% of her earnings on transportation. How much does Sarah spend on transportation every week?

1. \$80 2. \$75
3. \$60 4. \$55

$$.15(400) = 60$$

3. Erica saw a skateboard on sale for \$59.95. The original price of the skateboard was \$79.95. What is the approximate percent discount on the skateboard?

1. 20% 2. 25%
3. 75% 4. 80%

$$x(79.95) = 59.95$$

$$x = \frac{59.95}{79.95} = .75$$

4. Lea wants to save money on a new computer. At the store near her, the computer she wants is listed at a regular price of \$400.00.

- On Saturday, the store will have a sale and discount the computer by 30%.] .7
- Shoppers who buy a computer that same Saturday before 9:00 a.m. will also receive an additional 10% off the sale price.] .9

How much will Lea pay, without tax, when she buys the computer that Saturday before 9:00 a.m.?

1. \$148.00 2. 160.00
3. \$240.00 4. \$252.00

$$252 = .9 (.7(400))$$

5. An item with an original price of p dollars is on sale at a 35% discount. Which expression is not equivalent to the price of the item with the discount?

1. $0.65p$ ✓
 2. $0.35p$ ✓
 3. $(1 - 0.35)p$ ✓
 4. $1p - 0.35p$ ✓

6. Sigal purchased a concert ticket on a website. The original price of the ticket was \$80.00. She used a coupon code to receive a 25% discount. The website applied a 10% service fee. The cost of the ticket Sigal bought was less than the original price by what percent?

1. 6% 2. 14%
 3. 15% 4. 17.5%

1.1

$100 - 82.5$

$.75$

$$1.1 (.75(P))$$

$$= \underline{.825P}$$

7. Al earns \$500 a week selling shoes. He also earns 8% commission on all of his shoe sales. Last week, he sold \$1,540 worth of shoes. How much money did Al earn last week?

1. \$123.20 2. \$623.20
3. \$663.20 4. \$703.20

$$500 + .08(1540)$$

8. The Chatlak family went out to dinner.

- The price of their meal was \$58.60.
- The sales tax was 8% of the price of the meal.
- The tip was 20% of the price of the meal and the sales tax.

How much money did the Chatlaks pay for the price of the meal, sales tax, and tip?

1. \$61.40 2. \$64.69
3. \$75.01 4. \$75.95

$$1.2 \left(1.08 (58.60) \right)$$

9. A 40% discount is the same as paying:

1. 60% of the original price
2. $\frac{2}{5}$ of the original price
3. 140% of the original price
4. 40% of the original price

A rental car company is offering a 20% discount if you rent a car for a weekend. The sale price for the weekend is \$78. What is the regular price for renting a car for a weekend?

1. \$390.00
2. \$97.50
3. \$200.00
4. \$115.00

$$\begin{array}{r} .8P = 78 \\ \hline .8 \quad .8 \\ \hline P = 97.5 \end{array}$$