

Shopping

1. An item has a price tag of \$35 and another tag that says, "20% Off." What is the sale price?

- 1) \$20
- 2) \$25
- 3) \$28
- 4) \$30

SOLUTION:

$$\begin{aligned} & \$ \underline{\hspace{2cm}} \text{ (price tag)} \times \underline{\hspace{2cm}} \text{ mark off} = \$ \underline{\hspace{2cm}} \\ & \quad \downarrow \hspace{10em} \swarrow \\ & \$ \underline{\hspace{2cm}} \text{ (original price)} - \$ \underline{\hspace{2cm}} \text{ (mark off \$ amount)} = \\ & \$ \underline{\hspace{2cm}} \text{ is the sale price.} \end{aligned}$$

2. A store buys an item for \$50 and marks it up 100%. What is the price?

- 1) \$50
- 2) \$75
- 3) \$100
- 4) \$150


SOLUTION:

$$\begin{aligned} & \$ \underline{\hspace{2cm}} \text{ (amount of item)} \times \underline{\hspace{2cm}} \text{ (mark up price)} = \$ \underline{\hspace{2cm}} \\ & \quad \swarrow \hspace{10em} \swarrow \\ & \underline{\hspace{2cm}} \text{ (original price)} + \underline{\hspace{2cm}} \text{ (mark up)} = \underline{\hspace{2cm}} \end{aligned}$$

3. A store offers 3 for the price of 2. What is the implied discount?

- 1) 20%
- 2) 33%
- 3) 40%
- 4) 66%

SOLUTION:

You are paying for 2/3 and getting  for free, so the discount is _____ or _____%.

4. You can buy an item for \$20 at a store within walking distance. You can buy the same item online for \$12 with \$10 for shipping. Which is the better deal?

- 1) Buying at the local store
- 2) Buying online
- 3) Can't tell

SOLUTION:

Local Store Price: \$_____

Online Price: \$_____ + \$_____ = \$_____

Since buying locally costs \$_____ and buying online costs \$_____, you are getting a better deal if you buy _____.

5. You live in a state with a sales tax of 5%. You buy a car for \$15,000. What is the sales tax?

- 1) \$50
- 2) \$500
- 3) \$750
- 4) \$1,500

SOLUTION:

\$_____ (price of the car) x _____ (sales tax) = \$_____ (sales tax)