

Practice Test

For each problem you get wrong, you will need to correct it with someone and then do two more problems for practice. So take your time.

1. 28 is 80% of what? 35

$$\frac{28}{x} = \frac{80}{100}$$

A. 120 is 25% of what?

B. 4.5 is 60% of what?

2. 3% = decimal?

.03

A. 14% = decimal

B. 2.5% = decimal

3. \$45 cost

6.75 15% discount

38.25 subtotal

-3.06 8% tax

42.31 total

A. \$200 cost

_____ 25% discount

_____ subtotal

_____ 6% tax

_____ total

B. \$90 cost

_____ 20% discount

_____ subtotal

_____ 10% tax

_____ total

4. You saved \$7.20 on a jacket. That was a 20% discount. How much was the original cost?

$$\frac{\$7.20}{x} = \frac{20}{100} \text{ savings original}$$

x = \$36

A. You saved \$35.60 on shoes. That was a 40% discount. How much was the original cost?

B. You saved \$2.70 on a jacket. That was a 15% discount. How much was the original cost?

5. Of the 250 kids, 12% walk to school. How many walkers?

A. I have 120 students. 25% love cats. How many cat fans?

B. 11% of the 300 students bring lunch to school. How many bring their lunch to school?

$$\text{of } \frac{x}{250} = \frac{12}{100} \quad \boxed{30 \text{ walkers}}$$

6. 4 out of 5 dentists prefer Trident. What percent prefer Trident gum?

A. Of the 88 pitches, the pitcher threw 19 strikes. What percent of strikes did he throw?

B. Out of 45 attempts, Jose scored 16 goals. What percent of goals did he make?

$$\frac{4}{5} = .8 = 80\%$$

7. Last year, I made \$400 babysitting. This year I made \$550. What percent of increase was that?

A. Yesterday, I ate 4 hot dogs. Today I ate 3. What percent of decrease was that?

B. Last week, I played 5 video games. This week I played 8 games. What percent of increase is that?

$$550 - 400$$

$$\frac{150 \text{ difference}}{400 \text{ original}} = 37.5\% \text{ or } 38\%$$

8. NO CALCULATOR
10% of \$5 is?

A. NO CALCULATOR
10% of \$0.60 is?

B. NO CALCULATOR
10% of \$25.50 is?

$$\begin{array}{c} 5 \\ \curvearrowright \\ \boxed{\$.50} \end{array}$$