

$$P = b \times r$$

There was a store-wide sale. Everything was advertised at 10% off. We got a \$5.00 reduction on a table. What was the original (or base) price?

$$P = b \times r$$

$$\$5.00 = b \times 10\%$$

$$\begin{array}{r} 50 \\ 10 \overline{) 500} \\ \underline{50} \\ 0 \\ 0 \end{array}$$

\$50

A \$24.00 hat was advertised at a discount of $33\frac{1}{3}\%$. What was the discount?

$$P = b \times r$$

$$\$24.00 = b \times 33\frac{1}{3}\%$$

$$\begin{array}{r} 8 \\ 3 \overline{) 2400} \\ \underline{24} \\ 00 \end{array}$$

$$D = b \times r$$

$$\$24.00 = b \times 33\frac{1}{3}\%$$

$$\begin{array}{r} 800 \\ 2400 \times 1.800 \\ \underline{13} \end{array}$$

$$= 24 \times 33\frac{1}{3}\%$$

$$\begin{array}{r} 24.00 \\ \times 33\frac{1}{3} \\ \hline 7200 \\ + 7200 \\ \hline 78000 \end{array}$$

$$\$8.00$$

We bought a \$27.00 coat at a \$9.00 reduction. What was the rate of discount?

$P = \text{loss} \div \text{D}$
 $\$9.00 \div \27.00

$33\frac{1}{3}\%$

$$\begin{array}{r} 29 \\ \hline 27.00 \overline{) 9.00} \\ \underline{54} \\ 360 \\ \underline{243} \\ 217 \end{array}$$

$$\begin{array}{r} 27 \\ \times 3 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 27 \\ \times 6 \\ \hline 243 \end{array}$$

$$\begin{array}{r} .33 \\ \hline 27 \overline{) 9.00} \\ \underline{84} \\ 390 \\ \underline{81} \\ 9 \end{array}$$

$$\begin{array}{r} 33 \\ \hline 27 \end{array}$$

$33\frac{1}{3}$