

Practice

Change each percent to an equivalent fraction.

1. 30% 50% 85% $66\frac{2}{3}\%$ $33\frac{1}{3}\%$
2. 1% 5% 9% 8% 6%

Change each percent to an equivalent decimal.

3. 25% 50% 75% 90% 7%
4. 5.5% 9.9% 8.5% 0.6% 0.1%

Solve each problem below.

5. At a Memorial Day sale, The Men's Shop reduced the prices of the items listed at right. Write an equivalent fraction for each listed discount.

Sale Item	Discount	Fraction Off
a) Shirts	25%	_____
b) Sweaters	$33\frac{1}{3}\%$	_____
c) Jackets	10%	_____
d) Gloves	60%	_____
e) Boots	$66\frac{2}{3}\%$	_____
f) Scarves	75%	_____

6. When working with money, you can think of percent as meaning "cents per dollar." For example, 3% can be thought of as 3¢ per dollar. Why? Because $3\% = \frac{3}{100}$, and $3¢ = \frac{3}{100}$ of \$1.

Complete the table at right, showing how many cents per dollar each percent represents.

Percent	Cents per Dollar
a) 5%	_____
b) 7%	_____
c) 12%	_____
d) 25%	_____
e) 50%	_____
f) 75%	_____
g) 90%	_____

Practice

Change each percent to an equivalent fraction.

1. 30% $\frac{3}{10}$ 50% $\frac{1}{2}$ 85% $\frac{85}{100} = \frac{17}{20}$ $66\frac{2}{3}\%$ $\frac{2}{3}$ $33\frac{1}{3}\%$ $\frac{1}{3}$
2. 1% $\frac{1}{100}$ 5% $\frac{5}{100} = \frac{1}{20}$ 9% $\frac{9}{100}$ 8% $\frac{8}{100} = \frac{2}{25}$ 6% $\frac{6}{100} = \frac{3}{50}$

Change each percent to an equivalent decimal.

3. 25% ,25 50% ,50 75% ,75 90% ,90 7% ,07
4. 5.5% ,055 9.9% ,099 8.5% ,085 0.6% ,006 0.1% ,001

Solve each problem below.

5. At a Memorial Day sale, The Men's Shop reduced the prices of the items listed at right. Write an equivalent fraction for each listed discount.

Sale Item	Discount	Fraction Off
a) Shirts	25%	$\frac{1}{4}$
b) Sweaters	$33\frac{1}{3}\%$	$\frac{1}{3}$
c) Jackets	10%	$\frac{1}{10}$
d) Gloves	60%	$\frac{3}{5}$
e) Boots	$66\frac{2}{3}\%$	$\frac{2}{3}$
f) Scarves	75%	$\frac{3}{4}$

6. When working with money, you can think of percent as meaning "cents per dollar." For example, 3% can be thought of as 3¢ per dollar. Why? Because $3\% = \frac{3}{100}$, and $3\text{¢} = \frac{3}{100}$ of \$1.

Complete the table at right, showing how many cents per dollar each percent represents.

Percent	Cents per Dollar
a) 5%	5¢
b) 7%	7¢
c) 12%	12¢
d) 25%	25¢
e) 50%	50¢
f) 75%	75¢
g) 90%	90¢