

Name: _____

Multiplying by Percentages Examples

Instructions: Answer the questions below. Round all answers to the nearest hundredths place(hundredths place is the second digit to the right of the decimal point). All answers should contain two numbers after the decimal. Example: 876.54

1) $34 \times 15\% = 5.10$

To multiply we need to first convert 15% to standard form. We drop the percent sign and move the decimal two places to the left. 15% is equal to .15 in standard form.

We then just multiply $34 \times .15$ and the result is 5.10.

2) $257 \times 13.2\% = 33.92$

To multiply we need to first convert 13.2% to standard form. We drop the percent sign and move the decimal two places to the left. 13.2% is equal to .132 in standard form.

We then just multiply $257 \times .132$ and the result is 33.924.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 4 we will round the hundredths place down and keep it at 2.

3) $2,683.42 \times 6.7\% = 179.79$

To multiply we need to first convert 6.7% to standard form. We drop the percent sign and move the decimal two places to the left. 6.7% is equal to .067 in standard form.

We then just multiply $2,683.42 \times .067$ and the result is 179.78914.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 9 we will round the hundredths place up to 9.

4) $784.68 \times 5.38\% = 42.22$

To multiply we need to first convert 5.38% to standard form. We drop the percent sign and move the decimal two places to the left. 5.38% is equal to .0538 in standard form.

We then just multiply $784.68 \times .0538$ and the result is 42.215784.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 7 we will round the hundredths place up to 2.

5) $6,523.77 \times 8.25\% = 538.21$

To multiply we need to first convert 8.25% to standard form. We drop the percent sign and move the decimal two places to the left. 8.25% is equal to .0825 in standard form.

We then just multiply $6,523.77 \times .0825$ and the result is 538.211025.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 1 we will round the hundredths place down and keep it at 1.

6) What is 12% of 639.20? 76.70

The questions above is the same as writing $639.20 \times 12\% =$

To multiply we need to first convert 12% to standard form. We drop the percent sign and move the decimal two places to the left. 12% is equal to .12 in standard form.

We then just multiply $639.20 \times 12\%$ and the result is 76.704.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 4 we will round the hundredths place down and keep it at 0.

7) What is 22.48% of 25750.55? 5788.72

The questions above is the same as writing $25750.55 \times 22.48\% =$

To multiply we need to first convert 22.48% to standard form. We drop the percent sign and move the decimal two places to the left. 22.48% is equal to .2248 in standard form.

We then just multiply $25750.55 \times .2248$ and the result is 5788.72364.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 3 we will round the hundredths place down and keep it at 2.

8) What is 4% of 745? **29.80**

The questions above is the same as writing $745 \times 4\% =$

To multiply we need to first convert 4% to standard form. We drop the percent sign and move the decimal two places to the left. 4% is equal to .04 in standard form.

We then just multiply $745 \times .04$ and the result is 29.80.

9) What is 5.82% of 690.42? **40.18**

The questions above is the same as writing $690.42 \times 5.82\% =$

To multiply we need to first convert 5.82% to standard form. We drop the percent sign and move the decimal two places to the left. 5.82% is equal to .0582 in standard form.

We then just multiply $690.42 \times .0582$ and the result is 40.182444.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 2 we will round the hundredths place down and keep it at 8.

10) What is .25% of 1478.94? **3.70**

The questions above is the same as writing $1478.94 \times .25\% =$

To multiply we need to first convert .25% to standard form. We drop the percent sign and move the decimal two places to the left. .25% is equal to .0025 in standard form.

We then just multiply $1478.94 \times .0025$ and the result is 3.69735.

We still need to round to the nearest hundredths place. Look at the number three places to the right of the decimal. Since the number is 7 we will round the hundredths place up to 0 and we will also need to round the tens place to 7.