Easy Percents-
A method for solving most percent problems.

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Will this lesson help me?

- Try this pretest to see if you need this lesson.
- 1) 12% of 450 =
- 2) 7 % of 550 =
- 3) 65% of 940 =
- 4) 23% of 500 =
- Click to check your answers.

Will this lesson help me?

- Check your answers-
- 1) 12% of 450 = 45
- 2) 7 % of 550 = 38.5
- 3) 65% of 940 = 611
- 4) 23% of 500 = 115
- If you did not get all the problems correct, then you need to do this lesson.

●●●

- Notice all the problems were in the form
"29% of 400"

You were given the percent to find and the whole but not the part.

(The whole is usually right after the key word "OF".)

The method taught in this lesson only works on this kind of problem.

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Do the Two Step

"29% of 400".

- There are two easy steps to solve **this** kind of percent problem.

Do the Two Step

"29% of 400".

- There are two easy steps to solve this kind of percent problem.

- Step 1- Change the percent to a decimal.

Do the Two Step

"29% of 400".

- There are two easy steps to solve this kind of percent problem.

- Step 1- Change the percent to a decimal.
- Step 2- Multiply.

.

- Step 1: Change the percent to a decimal.

- Changing percents to decimals goes like this:

- 15% changes to

.

- Step 1: Change the percent to a decimal.

- Changing percents to decimals goes like this:

- 15% changes to .15

- 37% changes to

.

- 37% changes to .37

- 7% changes to

.

- 7% changes to .07

- 42.7% changes to

.

- 42.7% changes to .427

.

- Would you like to try and state a rule to explain how to change percents to decimals?

Try It

1) 14% =

   A) .014   B) .14

2) 3% =

   A) .03   B) .30

3) 95% =

   A) .095   B) .95

Try It

1)   14% =   .14

    A) .014   B) .14

2)   3% =

    A) .03   B) .30

3) 95% =

    A) .095   B) .95

Try It

1) 14% = .14

   A) .014   B) .14

2) 3% = .03

   A) .03   B) .30

3) 95% =

   A) .095   B) .95

Try It

1) 14% = .14
   A) .014   B) .14

2) 3% = .03
   A) .03   B) .30

3) 95% = .95
   A) .095   B) .95

Step 1-

Change the Percent to a Decimal

Practice changing these percents to decimals:

1)   16% =
2)   .
3)   .
4)   .
5)   .
6)   .
7)   .
8)   .
9)   .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% =
3) .
4) .
5) .
6) .
7) .
8) .
9) .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% =
4) .
5) .
6) .
7) .
8) .
9) .
10) .

Practice

Change these percents to decimals:

1)   16% = .16
2)   38% = .38
3)   6% = .06
4)   9.5% =
5)   .
6)   .
7)   .
8)   .
9)   .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% =
6) .
7) .
8) .
9) .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% =
7) .
8) .
9) .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% = .04
7) 1.9% =
8) .
9) .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% = .04
7) 1.9% = .019
8) 2% =
9) .
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% = .04
7) 1.9% = .019
8) 2% = .02
9) 14% =
10) .

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% = .04
7) 1.9% = .019
8) 2% = .02
9) 14% = .14
10) 125% =

Practice

Change these percents to decimals:

1) 16% = .16
2) 38% = .38
3) 6% = .06
4) 9.5% = .095
5) 19.7% = .197
6) 4% = .04
7) 1.9% = .019
8) 2% = .02
9) 14% = .14
10) 125% = 1.25

Review

- To work percent problems set up like

  "Find 52% of 750"

  there are two easy steps:

  - 1st Change the percent to a decimal
  - 2nd Multiply.

Review

Recall how to change a percent to a decimal.

14% becomes .14

7% becomes _____

.

Review

Recall how to change a percent to a decimal.

14% becomes .14

7% becomes .07

2.8% becomes ____

Review

Recall how to change a percent to a decimal.

14% becomes .14

7% becomes .07

2.8% becomes .028

Step 2- Multiply

- When multiplying decimals, count the total number of decimal places in both numbers and come over that many places in the answer.
    - 200
    - X .03
    - 6.00

- .
- .
- .

Try These

250
X .07
‾‾‾‾‾

Try These

250

X .07
___

17.50

Try These

8.5

X .14

Try These

$$8.5$$
$$\underline{\times\ .14}$$
$$340$$
$$\underline{\ 850}$$
$$1.190$$

Try These

451
X .02
___

Try These

$$451$$
$$\underline{X\quad .02}$$
$$902$$
$$\underline{\ 000\ }$$
$$9.02$$

Put It All Together

Step 1: Change the percent to a decimal.
Step 2: Multiply

Problem 1   Find 27% of 45
Answer:

•   .

Put It All Together

Step 1: Change the percent to a decimal.
Step 2: Multiply

Problem 1   Find 27% of 45
Answer: 12.15

$$
\begin{array}{r}
45 \\
\times\ \underline{.27} \\
315 \\
\underline{900} \\
12.15
\end{array}
$$

•

Put It All Together

Step 1: Change the percent to a decimal.
Step 2: Multiply

Problem 2   Find 4% of 45
Answer:

•

Put It All Together

Step 1: Change the percent to a decimal.
Step 2: Multiply

Problem 2   Find 4% of 45
Answer: 1.8

$$\begin{array}{r} 45 \\ \times\ \underline{.04} \\ 180 \\ \underline{000} \\ 1.80 \end{array}$$

-

Try It

1) 23% of 500

2) 4% of 65

3) 80% of 4500

4) 3.2% of 620

5) 2% of 500

Try It

1) 23% of 500 = 115

2) 4% of 65

3) 80% of 4500

4) 3.2% of 620

5) 2% of 500

Try It

1) .
2) 4% of 65 = 2.6
3) 80% of 4500
4) 3.2% of 620
5) 2% of 500

Try It

1) .

2) .

3) 80% of 4500 = 3600

4) 3.2% of 620

5) 2% of 500

Try It

1) .

2) .

3) .

4) 3.2% of 620 = 19.84

5) 2% of 500

Try It

1) .

2) .

3) .

4) .

5) 2% of 500 = 10

Did this lesson help you?

- See if you learned the concepts in this lesson.
- 1) 12% of 450 =
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- 3) 65% of 940 =
- 4) 23% of 500 =
- Click to check your answers.

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- Check your answers-
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