4- Understanding Percents 4.3 Percent of a Number

*To calculate the percent of a number, write the percent as a decima and then

Multiply by the number.

Example: 12% of 50

=0.12

What are two examples of when you'd need to find a percent of a number?

Hint; shopping, restaurants

1. percentage discounts...
i.e. 30% off how much your

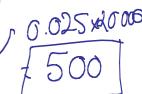
Determine the percent of each

a)35% of 15

b)230% of 35

c)0.1% of 5000

d) 2 ½ % of 20 000



A survey showed that \(\frac{1}{4} \% \) of 800 students use inline skates to get to school. How many of the 800 students use inline skate to get to school?

4 %

0.0025x800

Two people inline skafe to school.

 $30\ {}^{3}\!\!/_{2}\ \%$ of 400 students surveyed said they own a cell phone. How many of the students own a cell phone?

30(3)% < change to decimal%

3-4=0,75

30.75% =100

0.3075

0.3075×400

= 123

123 students have cellphones.

Adele invested \$40.12 in a savings plan at the beginning of the year. By the end of the year her investment was worth 120% of its original value. How much was her investment worth, to the nearest cent?

120% -100

1,20

L, 1,20 x40.12

= 48,144.

Her final investment is worth

\$48.14

after 2 year.

Determine the percent of each number:

a) 160% of \$53.27

1601 -100

=1.60 1.60 ×53.27

85,232

b) 3/4 % of 135 3:4=0.75%

= 0.75%=100 5-8=0.625

= 0.0075

0.0075×135

c) $55\frac{5}{8}\%$ of 500

55.625% -100

= 0.55625

6.55625 x 500

\$ 278.125