

## Percentages of a Whole Number 1

'Percent' or '%' means 'out of every hundred'. When using **percentages** try and think of them as a **fraction** with **100ths** as the **denominator**.

For example: 10 % could be written  $\frac{10}{100}$  or  $\frac{1}{10}$

Finding a % of a **whole number** can be done in different ways.

Method 1: Treat both the % and the **whole number** as fractions and multiply them.

Example: Find 18 % of 50

Step 1: 18 % =  $\frac{18}{100}$       50 =  $\frac{50}{1}$       Now multiply them.

Step 2:  $\frac{18}{100} \times \frac{50}{1} = \frac{900}{100} = \frac{9}{1} = 9$

Step 3: So 18 % of 50 = 9

Now try these using the same method...

1. 30 % of 40 = \_\_\_\_\_

2. 5 % of 80 = \_\_\_\_\_

3. 25 % of 60 = \_\_\_\_\_

4. 12 % of 350 = \_\_\_\_\_

5. 24 % of 400 = \_\_\_\_\_

6. 20 % of 35 = \_\_\_\_\_

7. 35 % of 20 = \_\_\_\_\_

8. 40 % of 80 = \_\_\_\_\_

## Percentages of a Whole Number 1 – ANSWERS

1.        30 % of 40 =        12

2.        5 % of 80 =        4

3.        25 % of 60 =        15

4.        12 % of 350 =        42

5.        24 % of 400 =        96

6.        20 % of 35 =        7

7.        35 % of 20 =        7

8.        40 % of 80 =        32