

Percentages of Numbers 1

'Percent' or '%' means 'out of every hundred'. When trying to determine the **percentage** one number represents of another, first look at the **larger** of the two. This should become the **denominator**. The **smaller** of the two should be the **numerator**.

For example: a score of 14 out of 20 on a test should be written as: $\frac{14}{20}$

This now needs to be converted to a **percentage** by turning it into a **fraction** with **100ths** as the **denominator**.

$$\text{So } \frac{14}{20} \times \frac{5}{5} = \frac{70}{100} = 70\%$$

Now try these using the same method...

1. 17 out of 25 = _____

2. 43 out of 50 = _____

3. 16 out of 20 = _____

4. 4 out of 10 = _____

5. 79 out of 100 = _____

6. 4 out of 5 = _____

7. 13 out of 20 = _____

8. 32 out of 50 = _____

9. 1 out of 10 = _____

10. 26 out of 50 = _____

ANSWERS

1.	$\frac{17}{25}$	x	4	=	$\frac{68}{100}$	=	68%
		x	4	=			
2.	$\frac{43}{50}$	x	2	=	$\frac{86}{100}$	=	86%
		x	2	=			
3.	$\frac{16}{20}$	x	5	=	$\frac{80}{100}$	=	80%
		x	5	=			
4.	$\frac{4}{10}$	x	10	=	$\frac{40}{100}$	=	40%
		x	10	=			
5.	$\frac{79}{100}$	=	79%				
6.	$\frac{4}{5}$	x	20	=	$\frac{80}{100}$	=	80%
		x	20	=			
7.	$\frac{13}{20}$	x	5	=	$\frac{65}{100}$	=	65%
		x	5	=			
8.	$\frac{32}{50}$	x	2	=	$\frac{64}{100}$	=	64%
		x	2	=			
9.	$\frac{1}{10}$	x	10	=	$\frac{10}{100}$	=	10%
		x	10	=			
10.	$\frac{26}{50}$	x	2	=	$\frac{52}{100}$	=	52%
		x	2	=			