STUDY PLUS

A BRIGHTER FUTURE

YEAR 6

PACK 39

Name:

Year Group:

Start Date:

Decimals and fractions

Write these fractions as decimals.
Where necessary go to two decimal places.

1. $\dfrac{13}{100} = \boxed{}$

2. $\dfrac{89}{100} = \boxed{}$

3. $\dfrac{50}{100} = \boxed{}$

4. $\dfrac{4}{5} = \boxed{}$

5. $\dfrac{6}{100} = \boxed{}$

6. $\dfrac{7}{10} = \boxed{}$

7. $\dfrac{11}{100} = \boxed{}$

8. $\dfrac{9}{100} = \boxed{}$

9. $\dfrac{75}{100} = \boxed{}$

10. $\dfrac{1}{3} = \boxed{}$

11. $\dfrac{98}{100} = \boxed{}$

12. $\dfrac{1}{10} = \boxed{}$

13. $\dfrac{2}{5} = \boxed{}$

14. $\dfrac{77}{100} = \boxed{}$

15. $\dfrac{2}{3} = \boxed{}$

Equivalent fractions

Equivalent fractions have the same value, even though they have different numbers. Why?

Because when you multiply or divide both the top and bottom numbers by the same number the fraction keeps the same value.

Example:

eg $\dfrac{2}{3}$ = $\dfrac{4}{6}$ = $\dfrac{6}{9}$ = $\dfrac{8}{12}$ = $\dfrac{10}{15}$ = $\dfrac{12}{18}$

1. $\dfrac{6}{10}$ = $\dfrac{}{5}$

2. $\dfrac{4}{40}$ = $\dfrac{}{10}$

3. $\dfrac{1}{10}$ = $\dfrac{3}{}$

4. $\dfrac{18}{21}$ = $\dfrac{6}{}$

5. $\dfrac{9}{12}$ = $\dfrac{}{4}$

6. $\dfrac{10}{12}$ = $\dfrac{}{6}$

7. $\dfrac{8}{9}$ = $\dfrac{16}{}$

8. $\dfrac{8}{28}$ = $\dfrac{2}{}$

9. $\dfrac{}{5}$ = $\dfrac{9}{15}$

10. $\dfrac{}{8}$ = $\dfrac{20}{32}$

11. $\dfrac{21}{}$ = $\dfrac{7}{10}$

12. $\dfrac{12}{}$ = $\dfrac{3}{7}$

13. $\dfrac{5}{9}$ = $\dfrac{20}{}$

14. $\dfrac{6}{7}$ = $\dfrac{12}{}$

Decimals, fractions and percentages
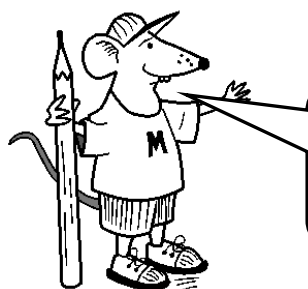
Complete the table below. Remember that 0.01 can be written as a fraction ($\frac{1}{100}$) and a percentage (1%)

Decimal	Fraction	Percentage
0.05		
0.32		
	$\frac{23}{100}$	
	$\frac{7}{100}$	
		41%
		8%

Rewrite each set of 3 in order, starting with the smallest:

1. $\frac{7}{100}$ | 12% | 0.09 | | | |

2. $\frac{23}{100}$ | 3% | 0.3 | | | |

3. $\frac{9}{100}$ | 10% | 0.01 | | | |

Put in the correct sign (<, > or =) to complete the statements below:

4. 0.77 ◯ 70%

5. 30% ◯ $\frac{3}{100}$

6. $\frac{42}{100}$ ◯ 0.3

7. 0.62 ◯ 7%

8. 29% ◯ $\frac{35}{100}$

9. $\frac{35}{100}$ ◯ 0.4

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