



| | | | | | |
|----------------|---------|-----------|-------------|-------------|----------|
| % Intro | 10%+dis | 25% | 10% 50% inc | 1% 0.5% | Revision |
| Common to % | 50%+dis | 100+% inc | 100+% inc | Adv percent | |

Information for Parents: Percent is a Fraction Out of 100

Percent:
 Percent means "out of 100" (Cent—100 think 100c in a dollar)
 A percent is a number—it is a fraction as it is out of 100.

60 % is 60 out of 100. Its fractional equivalence is $\frac{60}{100}$ or **0.60** or **0.6**

Alternatively fractions can be written as percentages. Of course in common fractions the denominator must be 100.

0.34 or $\frac{34}{100}$ can be written as **34 %** 0.5 or $\frac{5}{10}$ can be written as **50 %**

Convert these percents to common fractions

1) 76% = _____ 6) 15% = _____

2) 54% = _____

3) 29% = _____

4) 7% = _____

5) 12% = _____

Convert these percents to decimals

11) 39% = _____ 16) 80% = _____

Convert these

21) $\frac{49}{100}$ = _____

22) $\frac{33}{100}$ = _____

23) $\frac{5}{100}$ = _____ 28) $\frac{37}{100}$ = _____

24) $\frac{27}{100}$ = _____ 29) $\frac{4}{100}$ = _____

25) $\frac{16}{100}$ = _____ 30) $\frac{1}{100}$ = _____

33) 0.02 = _____ 38) 0.6 = _____

34) 0.09 = _____ 39) 0.44 = _____

35) 0.4 = _____ 40) 0.47 = _____

Insert <, > or =

1) $\frac{2}{3}$ _____ $\frac{2}{6}$ 4) $\frac{1}{9}$ _____ $\frac{11}{12}$ 7) $\frac{2}{4}$ _____ $\frac{5}{3}$ 10) $\frac{8}{5}$ _____ $\frac{2}{5}$

2) $\frac{2}{3}$ _____ $\frac{4}{12}$ 5) $\frac{4}{6}$ _____ $\frac{9}{12}$ 8) $\frac{6}{5}$ _____ $\frac{9}{6}$ 11) $\frac{17}{6}$ _____ $\frac{2}{6}$

3) $\frac{3}{9}$ _____ $\frac{3}{6}$ 6) $\frac{2}{6}$ _____ $\frac{5}{12}$ 9) $\frac{1}{4}$ _____ $\frac{5}{6}$ 12) $\frac{3}{4}$ _____ $\frac{1}{3}$

This worksheet is part of the Professor Pete's Classroom eBook "Bring It On: Percentages Worksheets".

This is a
PREVIEW
 Subscribe today for a whole
 year's access to ALL our
 worksheets and videos!

Already a subscriber? Log in to download the full version of this worksheet.



| | | | | | |
|-------------|---------|-----------|-------------|-------------|----------|
| % Intro | 10%+dis | 25% | 10% 50% inc | 1% 0.5% | Revision |
| Common to % | 50%+dis | 100+% inc | 100+% inc | Adv percent | |

Information for Parents: Convert Common Fractions to Percent

Common Fractions to Percent, Percent to Common Fractions:
 Converting a common fraction to a percent requires the fraction to have a denominator of 100.
 $\frac{3}{4} = \underline{\quad} \%$ convert the denominator to hundredths $\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 75\%$
 When converting percent back to a common fraction, simplify your fraction.
 $60\% = \frac{60}{100} = \frac{3}{5}$

Convert these common fractions to percents:

1) $\frac{5}{50} = \frac{\quad}{100} = \underline{\quad}\%$
 2) $\frac{4}{10} = \frac{\quad}{100} = \underline{\quad}\%$
 3) $\frac{4}{5} = \frac{\quad}{100} = \underline{\quad}\%$
 4) $\frac{1}{2} = \frac{\quad}{100} = \underline{\quad}\%$
 5) $\frac{10}{50} = \frac{\quad}{100} = \underline{\quad}\%$

Convert these percents to simplified common fractions:

11) $25\% = \frac{\quad}{100} = \frac{\quad}{\quad}$
 16) $90\% = \frac{\quad}{100} = \frac{\quad}{\quad}$

This is a

PREVIEW

Subscribe today for a whole year's access to ALL our worksheets and videos!

Already a subscriber? Log in to download the full version of this worksheet.

Adding and
 e.g. with regn

+

$4 \frac{13}{9}$ $5 \frac{4}{9}$ $2 \frac{5}{9}$

hole

$8 \frac{8}{10}$
 $8 \frac{5}{10}$

Insert <, > or =

4) $\frac{3}{12} \underline{\quad} \frac{2}{9}$ 6) $\frac{8}{12} \underline{\quad} \frac{1}{3}$ 8) $\frac{14}{5} \underline{\quad} \frac{14}{6}$ 10) $\frac{5}{6} \underline{\quad} \frac{11}{4}$
 5) $\frac{3}{6} \underline{\quad} \frac{6}{9}$ 7) $\frac{8}{9} \underline{\quad} \frac{1}{3}$ 9) $\frac{8}{6} \underline{\quad} \frac{10}{6}$ 11) $\frac{1}{5} \underline{\quad} \frac{1}{3}$

Addition revision

12) $2 + 9 = \underline{\quad}$ 15) $9 + 6 = \underline{\quad}$
 13) $2 + 7 = \underline{\quad}$ 16) $1 + 9 = \underline{\quad}$
 14) $7 + 6 = \underline{\quad}$ 17) $9 + 5 = \underline{\quad}$

Subtraction revision

18) $17 - 8 = \underline{\quad}$ 21) $8 - 5 = \underline{\quad}$
 19) $6 - 2 = \underline{\quad}$ 22) $18 - 9 = \underline{\quad}$
 20) $4 - 2 = \underline{\quad}$ 23) $13 - 8 = \underline{\quad}$

This worksheet is part of the Professor Pete's Classroom eBook "Bring It On: Percentages Worksheets".



| | | | | | |
|-------------|---------|---------|-------------|-------------|----------|
| % Intro | 10%+dis | 25%+dis | 10% 50% inc | 1% 0.5% | Revision |
| Common to % | 50%+dis | 100+% | 100+% inc | Adv percent | |

Information for Parents: Calculating 10%

Calculating 10% of a quantity:

10% is one tenth: $10\% = \frac{10}{100} = \frac{1}{10}$

e.g 10% of 56 = 5.6

Remember: Finding 10% is the same as dividing the number by 10.

H T O . t

Each digit moves one place to the right.

5 6 →
5. 6

Find 10% of each of these numbers:

1) 10% of 20 = _____

6) 10% of 42 = _____

2) 10% of 72 = _____

7) 10% of 24 = _____

3) 10% of _____

4) 10% of _____

5) 10% of _____



This is a

PREVIEW

Subscribe today for a whole year's access to ALL our worksheets and videos!



Already a subscriber? Log in to download the full version of this worksheet.

Find 10% of

11) 10% of _____

12) 10% of _____

13) 10% of _____

14) 10% of _____

15) 10% of _____

Revision: Multiply fractions by whole numbers

21) $\frac{1}{3}$ of 18 = _____

23) $\frac{1}{8}$ of 24 = _____

22) $\frac{2}{3}$ of 18 = _____

24) $\frac{3}{8}$ of 24 = _____

Revision: Multiply fractions by whole numbers

25) $\frac{3}{4}$ of 24 = _____

29) $\frac{3}{6}$ of 6 = _____

26) $\frac{9}{10}$ of 20 = _____

30) $\frac{2}{8}$ of 16 = _____

27) $\frac{3}{5}$ of 15 = _____

31) $\frac{2}{5}$ of 45 = _____

28) $\frac{1}{4}$ of 28 = _____

32) $\frac{3}{10}$ of 10 = _____

Insert <, > or =

33) $\frac{2}{6}$ _____ $\frac{3}{9}$

34) $\frac{4}{9}$ _____ $\frac{2}{3}$

35) $4\frac{1}{3}$ _____ $\frac{14}{3}$

36) $\frac{3}{6}$ _____ $\frac{7}{3}$