

# QUICK COVER

# Fractions Decimals and Percentages

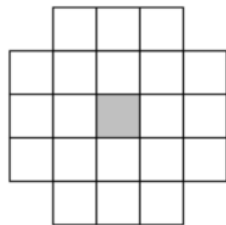
**Task 1** : Expressing a percentage as a decimal

**Task 2** : Expressing a decimal as a percentage

**Task 3** : Expressing a percentage as a fraction in its lowest form

**Task 4** : Expressing a fraction as a percentage

**Puzzle** : Mixture of **Tasks 1 to 4**



# Help and hints.....

# Fractions Decimals and Percentages

## TASK 1

### Examples

$$a) 0.83 = 83\%$$

$$b) 0.03 = 3\%$$

## TASK 2

### Examples

$$a) 46\% = 0.46$$

$$b) 9\% = 0.09$$

## TASK 4

### Examples

$$a) \frac{7}{20} = \frac{35}{100} = 35\%$$

*(Note:  $20 \times 5 = 100$ )*

$$b) \frac{13}{25} = \frac{52}{100} = 52\%$$

*(Note:  $25 \times 4 = 100$ )*

*You need multiply or divide to make the denominator 100*

*To simplify the fraction divide the numerator and denominator by 5*

## TASK 3

### Examples

$$a) 55\% = \frac{55}{100} = \frac{11}{20}$$

*(Note:  $\div 5$ )*

$$b) 8\% = \frac{8}{100} = \frac{2}{25}$$

*(Note:  $\div 4$ )*

# Fractions Decimals and Percentages

<b>TASK 1</b>	<b>TASK 2</b>	<b>TASK 3</b>	<b>TASK 4</b>
<b>Express as a decimal</b>	<b>Express as a percentage</b>	<b>Express as a fraction (lowest form)</b>	<b>Express as a percentage</b>
1. 44%	1. 0.4	1. 41%	1. $\frac{2}{5}$
2. 86%	2. 0.95	2. 85%	2. $\frac{1}{10}$
3. 28%	3. 0.87	3. 32%	3. $\frac{22}{25}$
4. 54%	4. 0.2	4. 91%	4. $\frac{4}{5}$
5. 61%	5. 0.05	5. 75%	5. $\frac{1}{20}$
6. 14%	6. 1	6. 45%	6. $\frac{7}{25}$
7. 31%	7. 0.01	7. 92%	7. $\frac{41}{50}$
8. 69%	8. 0.22	8. 5%	8. $\frac{13}{20}$
9. 29%	9. 0.76	9. 56%	9. $\frac{24}{25}$
10. 6%	10. 0.47	10. 8%	10. $\frac{3}{5}$
11. 56%	11. 0.2	11. 63%	11. $\frac{3}{10}$
12. 96%	12. 0.71	12. 12%	12. $\frac{1}{2}$
13. 62%	13. 0.88	13. 48%	13. $\frac{1}{5}$
14. 95%	14. 0.71	14. 7%	14. $\frac{1}{50}$
15. 60%	15. 0.42	15. 98%	15. $\frac{9}{100}$

# Fractions Decimals and Percentages

## ANSWERS

TASK 1	TASK 2	TASK 3	TASK 4
1. 0.	1. 0.	1. 0.	1. 0.
2. 0.	2. 0.	2. 0.	2. 0.
3. 0.	3. 0.	3. 0.	3. 0.
4. 0.	4. 0.	4. 0.	4. 0.
5. 0.	5. 0.	5. 0.	5. 0.
6. 0.	6. 9%	6. 0.	6. 0.
7. 0.	7. 0.	7. 0.	7. 0.
8. 0.	8. 0%	8. 0.	8. 0.
9. 0.	9. 7%	9. 0.	9. 0.
10. 0.	10. 4%	10. 0.	10. 0.
11. 0.	11. 2%	11. 0.	11. 0.
12. 0.	12. 7%	12. 0.	12. 0.
13. 0.	13. 0.	13. 0.	13. 0.
14. 0.	14. 0.	14. 0.	14. 0.
15. 0.	15. 0.	15. 4%	15. 0.

$\frac{19}{20}$ 0.65	$\frac{11}{20}$ 0.82	87%	$\frac{18}{25}$ 0.04	5%	66%	0.87
4:0 $\frac{1}{4}$ 90%	5:25 $\frac{25}{2}$ 0.55	56:0 31%	70:1 40%	0.12	50%	$\frac{25}{3}$ 0.2
0.75 $\frac{4}{5}$	1% 5:1 66.0	5:0 $\frac{1}{50}$	0.08 35%	0.9	20:0	$\frac{41}{50}$ 0.2
10% 4%	$\frac{3}{10}$ 0.3 99%	0.35 51:0	0.7 $\frac{4}{3}$ 51:3	0.66 $\frac{3}{20}$ 99:0	1:0	0.8
0.72	9:0	51:0	51:3	0.66 $\frac{3}{20}$ 99:0	1:0	0.8

