

QUICK COVER

Fractions Decimals and Percentages

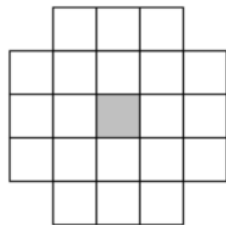
Task 1 : Expressing a percentage as a decimal

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

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

(Multiplying numerator and denominator by 5)

20 × 5 = 100

You need multiply or divide to make the denominator 100

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

(Multiplying numerator and denominator by 4)

25 × 4 = 100

To simplify the fraction divide the numerator and denominator by 5

TASK 3

Examples

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

(Dividing numerator and denominator by 5)

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

(Dividing numerator and denominator by 4)

Fractions Decimals and Percentages

TASK 1	TASK 2	TASK 3	TASK 4
Express as a decimal	Express as a percentage	Express as a fraction (lowest form)	Express as a percentage
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. 0.44	1. 40%	1. $41/100$	1. 40%
2. 0.86	2. 95%	2. $17/20$	2. 10%
3. 0.28	3. 87%	3. $8/25$	3. 88%
4. 0.54	4. 20%	4. $91/100$	4. 80%
5. 0.61	5. 5%	5. $3/4$	5. 5%
6. 0.14	6. 100%	6. $9/20$	6. 28%
7. 0.31	7. 1%	7. $23/25$	7. 82%
8. 0.69	8. 22%	8. $1/20$	8. 65%
9. 0.29	9. 76%	9. $14/25$	9. 96%
10. 0.06	10. 47%	10. $2/25$	10. 60%
11. 0.56	11. 20%	11. $63/100$	11. 30%
12. 0.96	12. 71%	12. $3/25$	12. 50%
13. 0.62	13. 88%	13. $12/25$	13. 20%
14. 0.95	14. 71%	14. $7/100$	14. 2%
15. 0.6	15. 42%	15. $49/50$	15. 9%

$\frac{19}{20}$ 0.65	$\frac{11}{20}$ 0.82	87%	$\frac{18}{25}$ 0.04	5%	66%	0.87
4:0 $\frac{1}{4}$ 90%	0.25 $\frac{25}{2}$ 0.55	56:0 31%	40% 0.12	0.2	50%	$\frac{25}{3}$ 20:0
0.75 $\frac{4}{5}$	1% 0.3 $\frac{5}{1}$	66:0 $\frac{1}{50}$ 5:0	0.08 35% $\frac{4}{3}$	0.9 $\frac{41}{50}$	99:0	
10% 0.72	$\frac{3}{10}$ 9.0 99%	51:0 0.35	0.7 51:3	$\frac{3}{20}$ 0.8	1:0	

