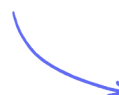


Fractions, Decimals & Percentages

Converting Fractions, Decimals & Percentages / Ordering Fractions, Decimals & Percentages

Easy (11 questions)	/21
Medium (8 questions)	/16
Hard (7 questions)	/14
Total Marks	/51

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Easy Questions

- 1 Write $\frac{2}{5}$ as a decimal.

(1 mark)

- 2 i) Write 15% as a decimal.

[1]

- ii) Shade 15% of this grid.

[1]

(2 marks)

- 3 Complete the table.

Fraction		Decimal		Percentage
$\frac{3}{4}$	=	0.75	=	
	=	0.2	=	20%
$\frac{2}{25}$	=		=	8%

(3 marks)

4 (a) Write $\frac{1}{4}$ as a decimal.

(1 mark)

(b) Write $\frac{36}{124}$ as a fraction in its lowest terms.

(1 mark)

(c) Work out $\frac{5}{8}$ of 128.

(1 mark)

5 Write $\frac{3}{4}$ as a decimal.

(1 mark)

6 (a) i) Write 26% as a decimal.

[1]

ii) Write 0.48 as a fraction.

[1]

(2 marks)

(b) Write down

i) a fraction that is equivalent to $\frac{5}{9}$.

[1]

ii) the 7th odd positive number,

[1]

iii) a decimal number that is larger than 0.0467 but smaller than 0.0468.

[1]

(3 marks)

7 Write 0.45 as a fraction in its simplest form.

(1 mark)

8 Write $\frac{2}{5}$ as a percentage.

.....%

(1 mark)

9 Write these numbers in order, starting with the smallest.

$$\frac{3}{4} \quad 72\% \quad 0.78 \quad \frac{8}{10}$$

(2 marks)

10 Write 0.3 as a fraction.

(1 mark)

11 Write 42% as a decimal.

(1 mark)

Medium Questions

- 1 Write these numbers in order, starting with the smallest.

27%	$\frac{5}{17}$	0.268	$\frac{7}{29}$
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..... < < <
smallest

(2 marks)

- 2 Write these in order of size, starting with the smallest.

$\frac{11}{27}$	41%	0.4	$\frac{16}{39}$
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..... < < <
smallest

(2 marks)

- 3 Choose the number with the largest value.

A. 0.3030

B. $\frac{1}{3}$

C. 0.0330

D. $\frac{3}{10}$

E. 33%

(1 mark)

4 Write these in order of size, starting with the smallest.

$\frac{9}{19}$	$\frac{3}{7}$	37%	0.43
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..... < < <
smallest

(2 marks)

5 Write these in order of size, starting with the smallest.

$\frac{7}{8}$	$\frac{5}{7}$	0.8	78%
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..... < < <
smallest

(2 marks)

6 Write the following in order, starting with the smallest.

$\frac{3}{4}$	0.749	76%	$\frac{11}{15}$
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..... < < <
smallest

(2 marks)

- 7 Dev makes 600 cakes. 18% of the 600 cakes go to a hotel and $\frac{2}{3}$ of the 600 cakes go to a supermarket.

Calculate how many cakes he has left.

(3 marks)

- 8 Write these numbers in order, starting with the smallest.

$$\frac{18}{20} \quad 91\% \quad 0.89 \quad \frac{44}{50}$$

(2 marks)

Hard Questions

- 1 Write these numbers in order, starting with the smallest.

$\frac{13}{201}$	5.6%	0.065	$\frac{5}{89}$
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..... < < <
smallest

(2 marks)

- 2 Gabriela designs the seating layout for a new theatre. There are three sections of seats, A, B and C.

Section A has 152 seats.

Section B has 12.5% more seats than Section A.

Section C has $\frac{3}{8}$ of the number of seats in Section A.

- i) Show that the number of seats in Section B is 171.

[1]

- ii) Show that the total number of seats is 380.

[2]

(3 marks)

3 Write these numbers in order, smallest first.

$\frac{22}{7}$	3.142	$\frac{333}{106}$	3.1416
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..... < < <
smallest

(2 marks)

4 Write these in order of size, starting with the smallest.

$\frac{5}{27}$ 18.4% 1.83×10^{-1} 5^{-1}

..... < < <
smallest

(2 marks)

5 Write these numbers in order, starting with the smallest.

5.7×10^{-1} $\frac{4}{7}$ $\sqrt{0.33}$ 57.2%

..... < < < *smallest*

(2 marks)

6 Write these numbers in order, starting with the smallest.

$$0.55 \qquad \frac{6}{11} \qquad 54\frac{1}{2}\%$$

..... < < *smallest*

(1 mark)

7 Write these numbers in order, starting with the smallest.

$$\frac{7}{9} \quad \frac{4}{5} \quad \frac{17}{20} \quad 78\%$$

(2 marks)