



THIRD SPACE
LEARNING

GCSE Exam Questions

Comparing Fractions, Decimals
and Percentages | Number

GCSE Exam Questions: Comparing Fractions, Decimals and Percentages

- 1) (a) Which two of these fractions are equivalent to $\frac{1}{3}$? Circle your answer.

$$\frac{2}{6} \quad \frac{5}{12} \quad \frac{6}{18} \quad \frac{11}{30}$$

(2)

- (b) Write the following in ascending order.

$$0.22 \quad \frac{3}{20} \quad 19\%$$

(2)**(4 marks)**

- 2) (a) Which of the following are more than 50% ? Circle your answers.

$$\frac{2}{3} \quad 0.4 \quad \frac{25}{100} \quad \frac{4}{5} \quad 0.055$$

(2)

- (b) Write 0.055 as a fraction in its simplest form.

(2)

- (c) Write 0.055 as a percentage.

(1)**(5 marks)**

GCSE Exam Questions: Comparing Fractions, Decimals and Percentages

3) (a) Write $0.\dot{2}$ as a fraction.

(1)

(b) Write in order of size starting with the smallest.

$0.\dot{2}$ $\frac{2}{18}$ 0.02 $\frac{19}{90}$ 0.22

(3)
(4 marks)

4) (a) Write in order of size starting with the smallest.

60% $\frac{1}{2}$ 0.3 $\frac{3}{4}$ 0.4

(2)

(b) Which is the largest? Circle your answer.

0.303 0.3 30% $\frac{34}{100}$

(1)
(3 marks)

GCSE Exam Questions: Comparing Fractions, Decimals and Percentages Answers

	Question	Answer	Marks
1) (a)	Which two of these fractions are equivalent to $\frac{1}{3}$? Circle your answer. $\frac{2}{6}$ $\frac{5}{12}$ $\frac{6}{18}$ $\frac{11}{30}$	(a) $\frac{2}{6}$ $\frac{6}{18}$	(1) (1)
(b)	Write the following in ascending order. 0.22 $\frac{3}{20}$ 19%	(b) 0.22, 0.15, 0.19 or $\frac{22}{100}$, $\frac{15}{100}$, $\frac{19}{100}$ or 22%, 15%, 19% $\frac{3}{20}$, 19%, 0.22	(1) (1)
2) (a)	Which of the following are more than 50%? Circle your answers. $\frac{2}{3}$ 0.4 $\frac{25}{100}$ $\frac{4}{5}$ 0.055	(a) $\frac{2}{3}$ $\frac{4}{5}$	(1) (1)
(b)	Write 0.055 as a fraction in its simplest form.	(b) Any correct fraction form seen e.g. $\frac{55}{100}$ $\frac{11}{200}$	(1) (1)
(c)	Write 0.055 as a percentage.	(c) 5.5%	(1)

GCSE Exam Questions: Comparing Fractions, Decimals and Percentages Answers

	Question	Answer	Marks
3) (a)	Write $0.\dot{2}$ as a fraction.	(a)	(1)
(b)	Write in order of size starting with the smallest. $0.\dot{2}$ $\frac{2}{18}$ 0.02 $\frac{19}{90}$ 0.22	(b) Attempt to convert each value into the same form (one conversion must be done correct). First and last value is correct. $0.02, \frac{2}{18}, \frac{19}{90}, 0.22, 0.\dot{2}$	(1) (1) (1)
4) (a)	Write in order of size starting with the smallest. 60% $\frac{1}{2}$ 0.3 $\frac{3}{4}$ 0.4	(a) Attempt to convert each value into the same form (one conversion must be done correct).	(1) (1)
(b)	Which is the largest? Circle your answer. 0.303 0.3 30% $\frac{34}{100}$	(b)	(1)

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