

Name: _____

GCSE (1 – 9)

Writing, Simplifying, and Ordering Fractions

Instructions

- Use **black** ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

Information

- The marks for each Question are shown in brackets
– *use this as a guide as to how much time to spend on each Question.*

Advice

- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

1 Write $\frac{12}{60}$ as a fraction in its simplest form.

(Total for Question 1 is 1 mark)

2 Write $\frac{18}{40}$ as a fraction in its simplest form.

(Total for Question 2 is 1 mark)

3 Write $\frac{28}{36}$ as a fraction in its simplest form.

(Total for Question 3 is 1 mark)

4 Write $\frac{6}{30}$ as a fraction in its simplest form.

(Total for Question 4 is 1 mark)

5 Write $\frac{72}{90}$ as a fraction in its simplest form.

(Total for Question 5 is 1 mark)

6 Write $\frac{28}{35}$ as a fraction in its simplest form.

(Total for Question 6 is 1 mark)

7 Here is a list of fractions.

$$\frac{15}{20} \quad \frac{33}{44} \quad \frac{12}{16} \quad \frac{26}{32} \quad \frac{21}{28}$$

One of these fractions is not equivalent to $\frac{3}{4}$

Write down this fraction.

(Total for Question 7 is 1 mark)

8 Here is a list of fractions.

$$\frac{18}{45} \quad \frac{14}{30} \quad \frac{10}{25} \quad \frac{8}{20} \quad \frac{16}{40}$$

One of these fractions is not equivalent to $\frac{2}{5}$

Write down this fraction.

(Total for Question 8 is 1 mark)

9 Here is a list of fractions.

$$\frac{3}{9} \quad \frac{4}{12} \quad \frac{7}{21} \quad \frac{9}{27} \quad \frac{8}{26}$$

One of these fractions is not equivalent to $\frac{1}{3}$

Write down this fraction.

(Total for Question 9 is 1 mark)

10 There are 26 sweets in a bag.

15 of the sweets are red.
The rest of the sweets are white.

What fraction of the sweets are red?

.....
(Total for Question 10 is 1 mark)

11 There are 17 counters in a bag.

The table shows the number of counters of each colour.

Colour	Red	Blue	Yellow	Green
Number of Counters	7	2	5	3

What fraction of the counters are blue?

.....
(Total for Question 11 is 1 mark)

12 There are 9 pens in a box.

5 pens are red.
The rest of the pens are green.

What fraction of the pens are green?

.....
(Total for Question 12 is 2 marks)

13 Last year the cost of Tom's train ticket was £42
This year the cost of Tom's train ticket increased to £50

Write down the increase in the cost of Tom's ticket as a fraction of last year's cost.

.....
(Total for Question 13 is 2 marks)

- 14** Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{1}{6} \quad \frac{4}{15} \quad \frac{1}{5} \quad \frac{1}{3} \quad \frac{7}{30}$$

.....
(Total for Question 14 is 2 marks)

- 15** Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{19}{30} \quad \frac{5}{6} \quad \frac{2}{3} \quad \frac{11}{15} \quad \frac{3}{5}$$

.....
(Total for Question 15 is 2 marks)

- 16** Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{11}{20} \quad \frac{5}{8} \quad \frac{3}{4} \quad \frac{3}{5} \quad \frac{7}{10}$$

.....
(Total for Question 16 is 2 marks)

- 17** Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{1}{3} \quad \frac{2}{9} \quad \frac{1}{4} \quad \frac{3}{16} \quad \frac{3}{10}$$

.....
(Total for Question 17 is 2 marks)

18 Here are two fractions.

$$\frac{7}{6} \qquad \frac{6}{7}$$

Work out which of the fractions is closer to 1
You must show your working.

(Total for Question 18 is 3 marks)

19 Here are two fractions.

$$\frac{3}{10} \qquad \frac{5}{7}$$

Work out which of the fractions is closer to $\frac{1}{2}$
You must show your working.

(Total for Question 19 is 3 marks)