

## Simplifying and Ordering Fractions Exam Practice



1. Simplify the following fraction:

$$\frac{28}{70}$$

(1 mark)

2. Simplify the following fraction:

$$\frac{12}{66}$$

(1 mark)

3. Simplify the following fraction:

$$\frac{28}{70}$$

(1 mark)

4. Simplify the following fraction:

$$\frac{250}{700}$$

(1 mark)

5. Simplify the following fraction:

$$\frac{90}{240}$$

(1 mark)

6. Simplify the following fraction:

$$\frac{320}{7800}$$

(1 mark)

### Ordering Lists of Fractions

7. Write the following fractions in order, starting with the smallest:

$$\frac{1}{2}, \frac{4}{5}, \frac{3}{10}, \frac{5}{15}, \frac{2}{5}$$

(2 marks)



8. Write the following fractions in order, starting with the smallest:

$$\frac{1}{6}, \frac{3}{15}, \frac{2}{3}, \frac{2}{20}, \frac{2}{5}$$

(2 marks)

9. Write the following fractions in order, starting with the smallest:

$$\frac{20}{35}, \frac{3}{5}, \frac{1}{2}, \frac{2}{7}, \frac{7}{5}$$

(2 marks)

10. Write the following fractions in order, starting with the smallest:

$$\frac{1}{4}, \frac{999}{1000}, \frac{18}{12}, \frac{1}{11}, \frac{99}{100}$$

(2 marks)

11. Write the following fractions in order, starting with the smallest:

$$\frac{1}{1000}, \frac{1}{101}, \frac{1}{99}, \frac{1}{100}$$

(2 marks)

12. Write the following fractions in order, starting with the smallest:

$$\frac{5}{8}, \frac{3}{5}, \frac{3}{4}, \frac{7}{10}, \frac{1}{3}$$

(2 marks)

### Comparing Fractions:

13. Which of these fractions is not equivalent to  $\frac{2}{7}$ ?

$$\frac{6}{21}, \frac{20}{70}, \frac{50}{175}, \frac{27}{63}, \frac{22}{77}$$

(1 mark)



14. Which of these fractions is closest to  $\frac{2}{3}$ ?

$$\frac{3}{5}, \frac{7}{12}, \frac{2}{15}$$

You must show your working.

(2 marks)

15. Which of these fractions is closest to  $\frac{2}{5}$ ?

$$\frac{9}{20}, \frac{6}{16}$$

You must show your working.

(2 marks)

16. Find a fraction which lies between  $\frac{1}{3}$  and  $\frac{1}{4}$ .

(2 marks)

17. Find a fraction which lies between  $\frac{3}{8}$  and  $\frac{1}{5}$ .

(2 marks)

18. Find a fraction which lies between exactly half-way between  $\frac{1}{2}$  and  $\frac{1}{3}$ .

(2 marks)

19. Which of these fractions are equivalent to each other?

$$\frac{7}{35}, \frac{4}{52}, \frac{50}{175}, \frac{1}{13}, \frac{2}{25}$$

(2 marks)

20. Joshua and Simon are given some sweets from a jar.

Joshua receives  $\frac{3}{5}$  of the sweets, whilst Simon receives  $\frac{2}{7}$ .

Simon says to Joshua, "I have got more sweets than you".

Is Simon correct? You must fully explain your answer.

(2 marks)

21. Ron the baker orders 200g of salt and 2.5 kg of sugar.

What fraction of the total weight of the order is made up of salt?

(3 marks)