

## Simplifying and Ordering Fractions Exam Practice



1. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)

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2. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)

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3. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)



4. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)

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5. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)

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6. Simplify the following fraction:

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

Answer: \_\_\_\_\_  
(1 mark)

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## Ordering Lists of Fractions

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

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

Answer: \_\_\_\_\_  
(2 marks)

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

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

Answer: \_\_\_\_\_  
(2 marks)

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

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

Answer: \_\_\_\_\_  
(2 marks)



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

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

Answer: \_\_\_\_\_  
(2 marks)

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

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

Answer: \_\_\_\_\_  
(2 marks)

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

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

Answer: \_\_\_\_\_  
(2 marks)



### Comparing Fractions:

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

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

Answer: \_\_\_\_\_  
(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.

Answer: \_\_\_\_\_  
(2 marks)

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

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

You must show your working.

Answer: \_\_\_\_\_  
(2 marks)



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

Answer: \_\_\_\_\_  
(2 marks)

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

Answer: \_\_\_\_\_  
(2 marks)

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

Answer: \_\_\_\_\_  
(2 marks)



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

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

Answer: \_\_\_\_\_  
(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.

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?

Answer: \_\_\_\_\_  
(3 marks)