

Name: \_\_\_\_\_

## ASM Tuition Academy

### WRITING, SIMPLIFYING AND ORDERING FRACTIONS

#### Instructions:

- Use **black** ink or ball-point pen.
- Answer all the 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 you're 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 time.
- Try to answer every question.
- Check your answers if you have time at the end.

**Q1.** Write  $\frac{14}{70}$  as a fraction in its simplest form.

(Total for Question 1 is 1 mark)

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**Q2.** Write  $\frac{24}{54}$  as a fraction in its simplest form.

(Total for Question 2 is 1 mark)

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**Q3.** Write  $\frac{32}{48}$  as a fraction in its simplest form.

(Total for Question 3 is 1 mark)

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**Q4.** Write  $\frac{9}{36}$  as a fraction in its simplest form.

(Total for Question 4 is 1 mark)

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**Q5.** Write  $\frac{81}{99}$  as a fraction in its simplest form.

(Total for Question 5 is 1 mark)

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**Q6.** Write  $\frac{35}{49}$  as a fraction in its simplest form.

(Total for Question 6 is 1 mark)

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**Q7.** One fraction is NOT equivalent to  $\frac{5}{8}$

$$\frac{25}{40} \quad \frac{20}{32} \quad \frac{15}{24} \quad \frac{30}{45} \quad \frac{35}{56}$$

Write down the non-equivalent fraction.

(Total for Question 7 is 1 mark)

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**Q8.** One fraction is NOT equivalent to  $\frac{3}{7}$  :

$$\frac{18}{42} \quad \frac{15}{35} \quad \frac{21}{49} \quad \frac{12}{30} \quad \frac{27}{63}$$

Write down the non-equivalent fraction.

(Total for Question 8 is 1 mark)

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**Q9.** One fraction is NOT equivalent to  $\frac{2}{9}$  :

$$\frac{8}{36} \quad \frac{14}{63} \quad \frac{6}{27} \quad \frac{10}{45} \quad \frac{12}{50}$$

Write down the non-equivalent fraction.

(Total for Question 9 is 1 mark)

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**Q10.** A bag contains 32 sweets. 18 are red. What fraction of the sweets are red?

(Total for Question 10 is 1 mark)

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**Q11.** Counters in a bag:

<b>Color</b>	<b>Red</b>	<b>Blue</b>	<b>Yellow</b>	<b>Green</b>
<b>Number</b>	<b>9</b>	<b>4</b>	<b>6</b>	<b>5</b>

What fraction of the counters are blue?

(Total for Question 11 is 1 mark)

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**Q12.** A box has 12 pens. The 7 pens are red. What fractions of the pens are green?

(Total for Question 12 is 2 marks)

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**Q13.** Last year a train ticket cost £48. This year it costs £60. Write the increase as a fraction of last year's cost.

(Total for Question 13 is 2 marks)

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**Q14.** Order smallest to largest:

$$\frac{1}{12} \quad \frac{4}{30} \quad \frac{1}{10} \quad \frac{1}{6} \quad \frac{7}{60}$$

(Total for Question 14 is 2 marks)

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**Q15.** Order smallest to largest:

$$\frac{19}{60} \quad \frac{5}{12} \quad \frac{2}{6} \quad \frac{11}{30} \quad \frac{3}{10}$$

(Total for Question 15 is 2 marks)

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**Q16.** Order smallest to largest:

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

(Total for Question 16 is 2 marks)

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**Q17.** Order smallest to largest:

$$\frac{1}{2} \quad \frac{2}{9} \quad \frac{1}{4} \quad \frac{3}{30} \quad \frac{3}{10}$$

(Total for Question 17 is 2 marks)

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**Q18.** Which is closer to 1:  $\frac{8}{7}$  *OR*  $\frac{7}{8}$ ? Show working.

(Total for Question 18 is 3 marks)

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**Q19.** Which is closer to  $\frac{1}{2}$ :  $\frac{3}{20}$  *OR*  $\frac{5}{14}$ ? Show working.

(Total for Question 19 is 3 marks)