

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

**ASM Tuition Academy**  
**FRACTIONS, DECIMALS, PERCENTAGES**

**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. Convert 0.45 to a percentage.**

**(Total for Question 1 is 1 mark)**

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**Q2. Express  $\frac{7}{1000}$  as a decimal.**

**(Total for Question 2 is 1 mark)**

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**Q3. Change 0.6 to a percentage.**

**(Total for Question 3 is 1 mark)**

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**Q4. Write 22% as a decimal.**

**(Total for Question 4 is 1 mark)**

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**Q5. Convert 5% to a decimal.**

**(Total for Question 5 is 1 mark)**

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**Q6. Express 0.7 as a fraction in its simplest form.**

**(Total for Question 6 is 1 mark)**

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**Q7. Change  $\frac{3}{5}$  to a decimal.**

**(Total for Question 7 is 1 mark)**

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**Q8. Write 0.08 as a fraction.**

**(Total for Question 8 is 1 mark)**

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**Q9. Express 35% as a fraction.**

**(Total for Question 9 is 1 mark)**

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**Q10. Convert 0.85 to a percentage.**

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

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**Q11. Write 9% as a fraction.**

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

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**Q12. Change 0.15 to a simplified fraction.**

**(Total for Question 12 is 1 mark)**

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**Q13. Convert  $\frac{4}{25}$  to a percentage.**

**(Total for Question 13 is 1 mark)**

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**Q14. Express 0.04 as a percentage.**

**(Total for Question 14 is 1 mark)**

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**Q15. Write 0.12 as a fraction.**

**(Total for Question 15 is 1 mark)**

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**Q16. Change 0.5 to a percentage.**

**(Total for Question 16 is 1 mark)**

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**Q17. Convert 0.23 to a percentage.**

**(Total for Question 17 is 1 mark)**

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**Q18. Express 0.075 as a simplified fraction.**

**(Total for Question 18 is 1 mark)**

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**Q19. Write  $\frac{18}{100}$  as a decimal.**

**(Total for Question 19 is 1 mark)**

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**Q20. Change  $\frac{9}{10}$  to a decimal.**

**(Total for Question 20 is 1 mark)**

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**Q21. Convert 0.007 to a fraction.**

**(Total for Question 21 is 1 mark)**

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**Q22. Express 0.4 as a percentage.**

**(Total for Question 22 is 1 mark)**

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**Q23. Change  $\frac{11}{20}$  to a percentage.**

**(Total for Question 23 is 1 mark)**

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**Q24. Write 0.09 as a fraction.**

**(Total for Question 24 is 1 mark)**

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**Q25. Emma claims that 17% is greater than 0.15. Is she correct? Justify your answer.**

**(Total for Question 25 is 1 mark)**

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**Q26. Anna and Ben earn the same salary.**

- Anna saves 28% of her salary.
- Ben spends  $\frac{1}{4}$  of his salary and saves the rest.  
Who saves more money?

**Show your working.**

**(Total for Question 26 is 2 marks)**

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**Q27. Arrange in ascending order (smallest first):**

**60%,  $\frac{1}{2}$ , 0.58, 0.65,  $\frac{2}{3}$**

**(Total for Question 27 is 2 marks)**

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**Q28. Sort the following from smallest to largest:**

**0.4, 1/5, 35%, 0.38, 3/8**

**(Total for Question 28 is 2 marks)**