

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

**ASM Tuition Academy**  
**FRACTIONS OF AN AMOUNT**

**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. Find  $\frac{1}{4}$  of 420**

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

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**Q2. Find  $\frac{1}{3}$  of 33**

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

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**Q3. Find  $\frac{1}{6}$  of 72**

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

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**Q4. Find  $\frac{1}{5}$  of 50**

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

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**Q5. Find  $\frac{1}{3}$  of 45**

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

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**Q6. Work out  $\frac{3}{4}$  of 160**

**(Total for question 6 is 2 marks)**

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**Q7. Work out  $\frac{2}{5}$  of 150**

**(Total for question 7 is 2 marks)**

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**Q8. Find  $\frac{2}{4}$  of 240**

**(Total for question 8 is 2 marks)**

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**Q9. Find  $\frac{5}{1}$  of 72**

**(Total for question 9 is 2 marks)**

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**Q10. Work out  $\frac{3}{7}$  of 63**

**(Total for question 10 is 2 marks)**

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**Q11. Harry is thinking of a number.  
 $\frac{3}{4}$  of Harry's number is 60.  
Work out the number Harry is thinking of.**

**(Total for question 11 is 2 marks)**

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**Q12.  $\frac{2}{5}$  of number  $x$  is 30.  
Find the value of  $x$ .**

**(Total for question 12 is 2 marks)**

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**Q13.  $\frac{5}{6}$  of number is 60.  
Find the number.**

**(Total for question 13 is 2 marks)**

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**Q14. Work out the difference between 20 and  $\frac{2}{9}$  of 81**

**(Total for question 14 is 3 marks)**

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**Q15. Work out the difference between  $\frac{3}{8}$  of 40 and  $\frac{2}{5}$  of 50**

**(Total for question 15 is 3 marks)**

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**Q16. Work out the difference between 30% of 90 and  $\frac{3}{8}$  of 64**

**(Total for question 16 is 3 marks)**

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**Q17. There are 928 colourful balls in a basket.  
383 of the balls are red.  
356 of the balls are black.  
 $\frac{3}{5}$  of the other balls are white.  
Work out how many white are in the basket.**

**(Total for question 17 is 3 marks)**

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**Q18. The normal price of a computer game is £50  
The price is reduced by  $\frac{1}{5}$  in a sale.  
Work out the price of the computer game in the sale.**

**£.....**

**(Total for question 18 is 2 marks)**

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**Q19. There are 1200 students at a school.  
600 students are girls, the rest are boys.  
 $\frac{1}{10}$  of the girls are left handed.  
 $\frac{1}{6}$  of the boys are left handed.  
Work out the number of left handed students in the school.**

**.....**

**(Total for question 19 is 3 marks)**

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**Q20. Harry has 60 sweets.  
He gives  $\frac{1}{3}$  of the sweets to Sandra.  
He gives  $\frac{3}{10}$  of the sweets to Jamie.  
Harry keeps the rest of the sweets for himself.  
Work out how many sweets Harry keeps.**

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**(Total for question 20 is 3 marks)**

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**Q21. The normal price of a train ticket from Frankfurt to Cologne is £34.20  
Ria gets  $\frac{1}{3}$  off the price of his train ticket  
Work out how much Ria pays for her ticket.**

£.....  
**(Total for question 21 is 2 marks)**

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**Q22. Dan has an income of £4000 a month.  
He spends  $\frac{2}{5}$  of his income on rent.  
He spends  $\frac{3}{20}$  of his income on bills.  
He spends  $\frac{1}{10}$  of his income on food.  
Dan saves the rest of his income.  
Work out how much Dan saves each month.**

£.....  
**(Total for question 22 is 3 marks)**