



Fractions of an Amount Exam Practice

Q1. Find $\frac{3}{4}$ of 72

Answer: _____
(1 mark)

Q2. Find $\frac{2}{5}$ of 140

Answer: _____
(1 mark)

Q3. Find $\frac{1}{11}$ of £7700

Answer: _____
(1 mark)



Q4. Work out $\frac{3}{25}$ of £750

Answer: _____
(1 mark)

Find the original amount, given a fraction of it

Q5. Kay is thinking of a number. If $\frac{2}{5}$ of the number is 60, work out what number Kay is thinking about.

Answer: _____
(2 marks)

Q6. Tom is thinking of a number. If $\frac{4}{7}$ of the number is 360, work out what number Tom is thinking about.

Answer: _____
(2 marks)



Q7. At a golf club, $\frac{2}{3}$ of their supply of golf balls have been lost. If they have 150 balls left, work out the total number of balls they originally had.

Answer: _____
(2 marks)

Q8. At a local election, $\frac{5}{8}$ of the people voted for Mr. Davies. If 54 people did not vote for him, work out how many people were at the election.

Answer: _____
(2 marks)



Fraction of a fraction questions

Q9. If $\frac{1}{2}$ of the class ate chips for lunch, and $\frac{3}{4}$ of these pupils had dessert, what fraction of the class had chips and a dessert for lunch?

Answer: _____
(3 marks)

Q10. In a box of rings, $\frac{3}{4}$ of all the rings are silver, and $\frac{1}{5}$ of these rings have red stones in them. What fraction of the rings are silver with red stones?

Answer: _____
(3 marks)



Q11. In a sixth form, $\frac{2}{5}$ of all the pupils are male. Of those who are female, $\frac{1}{6}$ of them are studying German.

What fraction of the sixth form are female and studying German?

Answer: _____
(3 marks)

Problem Questions:

Q12. Roger spends $\frac{3}{8}$ of his monthly salary on rent, $\frac{1}{5}$ on bills, and $\frac{1}{10}$ on food.
If he spends £1610 on rent and bills, find how much he spends on food.

Answer: _____
(4 marks)



Q13. A bus company offers $\frac{1}{5}$ off a ticket which usually costs £72. Pete is allowed to buy the ticket using this offer and his railcard, which allows him a further discount of $\frac{1}{3}$. How much will he pay for the ticket?

Answer: _____
(3 marks)

Q14. There are 1300 students at a school in Arnford. 210 students are in years 7 to 11 and the rest are in the sixth form. Of the pupils in the sixth form, $\frac{2}{15}$ are from Arnford whilst of the rest of the school, $\frac{7}{10}$ live outside Arnford. Work out the number of pupils in the school who are from Arnford.

Answer: _____
(4 marks)



Q15. Each year a caravan loses value so that it is worth $\frac{5}{12}$ of what it did in the previous year. Work out how many years it will be until it is worth less than 1% of its original value?

Answer: _____
(3 marks)

Q16. A panda is weighed in January and again in March. In March, it weighs 115 kg which is found to be an increase of $\frac{5}{12}$ of its original weight. How much did it weigh in January, to the nearest kg?

Answer: _____
(3 marks)



Q17. David gave $\frac{2}{3}$ of his savings to his brother Steve, who then gave $\frac{4}{9}$ of this to charity. If Steve gave £1600 to charity, work out how much money Dave gave to Steve.

Answer: _____
(3 marks)

Q18. Sarah's monthly takings at her shop have been the same since the start of the year, until April, when they increased by $\frac{2}{7}$. Then in May, they decreased by $\frac{1}{5}$. Compared to the start of the year, have Sarah's takings increased or decreased? You must show your working.

Answer: _____
(4 marks)