

Fraction of an Amount

ANSWERS

1



Fill in the box.

$$\frac{3}{4} \text{ of } 32 = \frac{2}{3} \text{ of } \boxed{}$$

$$\frac{3}{4} \text{ of } 32 = 24, \text{ so } \frac{2}{3} \text{ of the box is } 24$$

$$\frac{1}{3} \text{ is } 12, \text{ so the box is } 36$$

Answer 36

2



Fill in the box.

$$\frac{3}{8} \text{ of } 56 = 21$$

$$3 \text{ parts are } 21, \text{ so one part is } 7$$

$$56 \div 8 = 7 \text{ parts}$$

Answer 8

3



Work out $\frac{4}{9}$ of 2 hours 15 minutes.

Give your answer in minutes.

$$2 \text{ hours } 15 \text{ minutes} = 135 \text{ minutes}$$

$$135 \div 9 = 15, 15 \times 4 = 60$$

Answer 60 minutes

4



Kit spends $\frac{5}{8}$ of his savings on a guitar. He has £66 left. How much did the guitar cost?

$$£66 \text{ is } \frac{3}{8} \text{ of his savings, so } \frac{1}{8} \text{ is } £22$$

$$\text{the guitar is } \frac{5}{8}: 5 \times £22 = £110$$

Answer £110

5



$\frac{3}{8}$ of a number is 27. Work out $\frac{5}{6}$ of the same number.

$$\frac{1}{8} \text{ is } 9, \text{ so the number is } 9 \times 8 = 72$$

$$72 \div 6 = 12, 12 \times 5 = 60$$

Answer 60

6



A café bakes 96 scones. It sells $\frac{5}{8}$ of them in the morning and $\frac{2}{3}$ of the rest in the afternoon. How many scones are left?

$$\text{morning } 60, \text{ so } 36 \text{ are left}$$

$$\text{afternoon } \frac{2}{3} \text{ of } 36 = 24, 36 - 24 = 12$$

Answer 12

7



$\frac{2}{3}$ of a number is 20 more than $\frac{2}{5}$ of the same number. What is the number?

$$\frac{2}{3} - \frac{2}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15}$$

$$\frac{4}{15} \text{ is } 20, \frac{1}{15} \text{ is } 5, \text{ the number is } 75$$

Answer 75

8



Mo reads $\frac{1}{3}$ of a book on Monday and $\frac{3}{4}$ of the pages left on Tuesday. He then has 40 pages still to read. How many pages has the book?

$$40 \text{ is } \frac{1}{4} \text{ of the rest, so the rest is } 160$$

$$160 \text{ is } \frac{2}{3} \text{ of the book, so } \frac{1}{3} \text{ is } 80: 240$$

Answer 240 pages