

## Exercise 2 - Fraction of a quantity (Single)

- 1)  $\frac{1}{2}$  of 48      2)  $\frac{1}{4}$  of 20      3)  $\frac{1}{3}$  of 36      4)  $\frac{1}{2}$  of 62
- 5)  $\frac{1}{3}$  of 42      6)  $\frac{1}{4}$  of 52      7)  $\frac{1}{5}$  of 35      8)  $\frac{1}{5}$  of 60
- 9)  $\frac{1}{2}$  of 76      10)  $\frac{1}{3}$  of 54      11)  $\frac{1}{4}$  of 72      12)  $\frac{1}{3}$  of 75
- 13)  $\frac{1}{5}$  of 80      14)  $\frac{1}{5}$  of 75      15)  $\frac{1}{2}$  of 92      16)  $\frac{1}{3}$  of 81
- 17)  $\frac{1}{4}$  of 60      18)  $\frac{1}{5}$  of 90      19)  $\frac{1}{8}$  of 24      20)  $\frac{1}{8}$  of 40
- 21)  $\frac{1}{8}$  of 56      22)  $\frac{1}{8}$  of 80      23)  $\frac{1}{10}$  of 40      24)  $\frac{1}{10}$  of 50
- 25)  $\frac{1}{10}$  of 70      26)  $\frac{1}{10}$  of 90      27)  $\frac{1}{5}$  of 85      28)  $\frac{1}{2}$  of 48
- 29)  $\frac{1}{8}$  of 96      30)  $\frac{1}{3}$  of 96      31)  $\frac{1}{2}$  of 13      32)  $\frac{1}{2}$  of 19

## Exercise 3 – Fractions of a quantity

- 1)  $\frac{1}{3}$  of 138      2)  $\frac{1}{5}$  of 450      3)  $\frac{1}{8}$  of 480
- 4)  $\frac{1}{10}$  of 560      5)  $\frac{1}{20}$  of 860      6)  $\frac{1}{100}$  of 3800
- 7)  $\frac{2}{3}$  of 156      8)  $\frac{3}{5}$  of 935      9)  $\frac{2}{5}$  of 470
- 10)  $\frac{3}{8}$  of 576      11)  $\frac{5}{8}$  of 192      12)  $\frac{7}{8}$  of 304

13)  $\frac{3}{10}$  of 370

14)  $\frac{5}{8}$  of 128

15)  $\frac{7}{10}$  of 790

16)  $\frac{9}{10}$  of 450

17)  $\frac{3}{20}$  of 660

18)  $\frac{3}{8}$  of 776

19)  $\frac{7}{20}$  of 780

20)  $\frac{9}{20}$  of 540

21)  $\frac{7}{20}$  of 540

22)  $\frac{4}{5}$  of 145

23)  $\frac{3}{10}$  of 650

24)  $\frac{3}{8}$  of 424

25)  $\frac{7}{8}$  of 360

26)  $\frac{3}{5}$  of 480

27)  $\frac{3}{10}$  of 120

28)  $\frac{4}{5}$  of 290

29)  $\frac{7}{10}$  of 240

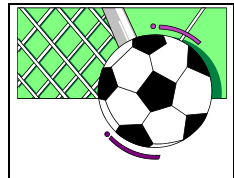
30)  $\frac{7}{8}$  of 496

### Exercise 4 - Problems

1) a) A football match last 90 minutes. How long is the first half?

b) A rugby match lasts 80 minutes. How many minutes does the first quarter last?

2) Brian has 45p, but he owes  $\frac{1}{5}$  of it to Peter.



a) How much does he owe to Peter? b) How much does he have left?

3)  $\frac{3}{10}$  of class of 30 pupils are absent.

a) How many are absent? b) How many are present?

4) 42 cars are in the car park.  $\frac{1}{3}$  of them are blue.

How many blue cars are there?

5) Calculate these amounts in pence.

a)  $\frac{1}{10}$  of £1

b)  $\frac{3}{10}$  of £2

c)  $\frac{3}{4}$  of £1

d)  $\frac{1}{2}$  of £5

e)  $\frac{1}{5}$  of £2

f)  $\frac{2}{3}$  of £1.50

6) John gets  $\frac{2}{3}$  of £72 as a prize. How much money does he get?

7) A tank holds 1600 litres of oil when it is full. If it is  $\frac{1}{4}$  full, how many litres have been used?

8) Calculate

a)  $\frac{2}{3}$  of  $12\text{cm} \frac{2}{3}$

b)  $\frac{3}{4}$  of 20 pupils

c)  $\frac{2}{5}$  of 30 grams

d)  $\frac{7}{8}$  of 24 days

9) There are 60 minutes in an hour. How many minutes are there in:

a)  $\frac{1}{2}$  hour

b)  $\frac{1}{4}$  hour

c)  $\frac{3}{4}$  hour

d)  $\frac{1}{3}$  hour

10) In a test,  $\frac{1}{5}$  of the pupils will be given an **A** grade,  $\frac{1}{2}$  a **B** grade,  $\frac{1}{4}$  a **C** grade and the rest a **D** grade.  
Out of a group of 40 pupils, how many will get each grade?

11) Calculate

a)  $\frac{3}{4}$  of £100

b)  $\frac{1}{10}$  of £120

c)  $\frac{3}{8}$  of £40

d)  $\frac{2}{5}$  of £35

12) There are  $90^\circ$  in a right angle. How many degrees are in:

a)  $\frac{2}{3}$  of a right angle

b)  $\frac{3}{4}$  of a right angle

c)  $\frac{3}{5}$  of a right angle