

FRACTIONS OF AN AMOUNT

ANSWER SHEET

Q1

$$\frac{1}{4} \text{ of } 420$$
$$\frac{420}{4} = 105$$

Q2

$$\frac{1}{3} \text{ of } 33$$
$$\frac{33}{3} = 11$$

Q3

$$\frac{1}{6} \text{ of } 72$$
$$\frac{72}{6} = 12$$

Q4

$$\frac{1}{5} \text{ of } 50$$
$$\frac{50}{5} = 10$$

Q5

$$\frac{1}{3} \text{ of } 45$$

$$\frac{45}{3} = 15$$

Q6

$$\frac{3}{4} \text{ of } 160$$

$$3 \times \frac{160}{4}$$

$$3 \times 40$$

$$= 120$$

Q7

$$\textcircled{7} \quad \frac{2}{5} \text{ of } 150$$

$$2 \times \frac{150}{5}$$

$$2 \times 30$$

$$= 60$$

Q8

$$\frac{2}{4} \text{ of } 240$$
$$2 \times \frac{240}{4}$$
$$2 \times 60$$
$$= 120$$

Q9

9)

$$\frac{5}{12} \text{ of } 72$$
$$5 \times \frac{72}{12}$$
$$= 5 \times 6$$
$$= 30$$

Q10

10)

$$\frac{3}{7} \text{ of } 63$$
$$3 \times \frac{63}{7}$$
$$= 3 \times 9$$
$$= 27$$

Q11

$$\frac{3}{4} \text{ of } x = 60$$

$$\frac{3}{4} x = 60$$

$$\frac{1}{4} x = \frac{60}{3} \Rightarrow \frac{1}{4} x = 20$$

$$x = 80$$

Q12

$$\frac{2}{5} \text{ of } x = 30$$

$$\frac{1}{5} \text{ of } x = \frac{30}{2}$$

$$\frac{1}{5} \text{ of } x = 15$$

$$x = 15 \times 5$$

$$x = 75$$

Q13

$$\frac{5}{6} \text{ of } n \text{ is } 60$$

$$\frac{1}{6} n = \frac{60}{5}$$

$$\frac{1}{6} n = 12$$

$$n = 12 \times 6$$

$$n = 72$$

Q14

$$81 \div 9 = 9$$

$$\frac{1}{9} \text{ of } 81 = 9$$

$$\frac{2}{9} \text{ of } 81 = 18$$

$$20 - 18 = 2$$

Q15

(15) $\frac{3}{8}$ of 40

$$3 \times \frac{40}{8}$$

$$3 \times 5 \\ = 15$$

$$\frac{2}{5} \text{ of } 50$$

$$2 \times \frac{50}{5}$$

$$2 \times 10 \\ = 20$$

$$20 - 15 \\ = 5$$

Q16

(16)

30% of 90

10% of 90 = 9

20% of 90 = 18

30% of 90 = 27

$$\frac{3}{8} \text{ of } 64$$

$$\frac{64}{8} = 8$$

$$3 \times 8 = 24$$

$$27 - 24 = 3$$

Q17

$$\begin{array}{r} 383 \text{ Red} \\ + 356 \text{ Black} \\ \hline 739 \end{array}$$

Red and black

$$\begin{array}{r} 37 \\ 5 \overline{) 185} \\ \hline \end{array}$$

$\frac{1}{5}$ of 185 = 37

$37 \times 3 = 111$

$$\begin{array}{r} 924 \\ - 739 \\ \hline 185 \end{array}$$

Green

$\frac{3}{5}$ of 185 = 111 White balls

924 colorful balls in basket

Q18

$$\frac{50}{5} = 10$$

$$50 - 10 = 40 \text{ £}$$

Q19

1200 students

600 are girls

$$1200 - 600 = 600 \text{ (Boys)}$$
$$\frac{1}{10} \text{ of } 600 = 60$$
$$\frac{1}{6} \text{ of } 600 = 100$$
$$100 + 60 = 160 \text{ (Left handed)}$$

Q20

60 sweets

$$\frac{1}{3} \text{ of } 60 = \frac{60}{3} = 20$$

$$\frac{3}{10} \text{ of } 60 = 3 \times \frac{60}{10} = 18$$

He gave away $20 + 18 = 38$ sweets

$$60 - 38$$

$$= 22 \text{ sweets}$$

Q21

$$\frac{1}{3} \text{ of } 34.20 = \frac{34.20}{3}$$

$$= 11.40$$

$$\begin{array}{r} 34.20 \\ - 11.40 \\ \hline \end{array}$$

$$22.80$$

$$\begin{array}{r} 11.40 \\ 3 \overline{) 34.20} \\ \hline \end{array}$$

$$22.80 \text{ £}$$

Q22

4000 £ per month income

$$\frac{2}{5} \text{ of } 4000 = 2 \times \frac{4000}{5} = 2 \times 800 = 1600$$

$$\frac{3}{20} \text{ of } 4000 = 3 \times \frac{4000}{20} = 3 \times 200 = 600$$

$$\frac{1}{10} \text{ of } 4000 = 1 \times \frac{4000}{10} = 1 \times 400 = 400$$

$$\text{He spends: } 1600 + 600 + 400 = 2600 \text{ £}$$

$$\text{He saves: } 4000 \text{ £} - 2600 \text{ £} = 1400 \text{ £}$$
