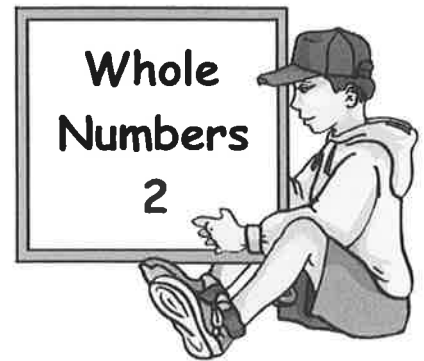


CHAPTER 3



Exercise 1

1. Copy the following and complete the calculations :-

a
$$\begin{array}{r} 238 \\ \times 3 \\ \hline \end{array}$$

b
$$\begin{array}{r} 97 \\ \times 4 \\ \hline \end{array}$$

c
$$\begin{array}{r} 496 \\ \times 5 \\ \hline \end{array}$$

d
$$\begin{array}{r} 185 \\ \times 6 \\ \hline \end{array}$$

e
$$\begin{array}{r} 1274 \\ \times 7 \\ \hline \end{array}$$

f
$$\begin{array}{r} 4521 \\ \times 8 \\ \hline \end{array}$$

g
$$\begin{array}{r} 2987 \\ \times 9 \\ \hline \end{array}$$

h
$$\begin{array}{r} 46208 \\ \times 7 \\ \hline \end{array}$$

2. Rewrite each of these in the above form and complete the calculations :-

a 54×8

b 189×7

c 6×107

d 95×5

e 8×1234

f 7×4260


g 16508×9

h 37529×4

3. Show your working in answering the following questions :-

- a Jemma pays £95 each month for her cable TV, phone and internet.
How much will she have paid after 9 months?



- b  Peter earns £24790 per year as a landscaper.
How much will he earn over 4 years?

4. a A palette holds 1085 jars of gherkins.
How many jars are there altogether on 7 palettes?



- b Find the value of :- (i) $4 \times 7 \times 75$ (ii) $8 \times 697 \times 5$.

Exercise 2

1. Copy the following and complete each calculation :-

a $7 \overline{)56}$

b $5 \overline{)715}$

c $6 \overline{)774}$

d $8 \overline{)632}$

e $6 \overline{)6582}$

f $4 \overline{)7428}$

g $7 \overline{)89922}$

h $9 \overline{)88047}$.

2. Set the following down in the same way as in Qu 1 and complete each calculation :-

a $108 \div 6$ b $876 \div 2$ c $828 \div 3$ d $882 \div 9$

e $959 \div 7$ f $8165 \div 5$ g $9436 \div 4$ h $8538 \div 3$.

3. Find the **remainder** in these questions :-

a $2 \overline{)3187}$ b $3 \overline{)9725}$ c $4 \overline{)16v301}$ d $5 \overline{)77084}$

e $919 \div 6$ f $4183 \div 7$ g $\frac{1938}{8}$ h $\frac{7516}{9}$.

4. 1080 coloured pencils are packed into 9 boxes.

How many pencils are in each box ?



5.  3147 limes are placed equally into 6 baskets.

How many are in each basket and how many are left over ?

6. Without using a calculator, find a way of dividing 1344 by 32 and state your answer.

Exercise 3

1. Write down the answers to the following :-

a 19×10 b 73×10 c 99×10 d 10×123
e 10×906 f 4070×10 g 10×9762 h 10×76130 .

2. Write down the answers to the following :-

a 37×100 b 98×100 c 100×186 d 100×800
e 3090×100 f 100×7001 g 100×5900 h 60400×100 .

3. Write down the answers to these :-

a 19×1000 b 429×1000 c 490×1000 d 1000×530
e 1000×600 f 4680×1000 g 1000×4700 h 1000×62070 .

4. A box contains 100 Mojos. How many Mojos are there in :-

a 25 boxes b 100 boxes c 420 boxes ?



5. There are 1000 metres in 1 kilometre. How many metres make up :-

a 7 km b 41 km c 380 km d 6009 km ?

Exercise 4



1. Write down the answers to the following :-

- a $410 \div 10$ b $980 \div 10$ c $2450 \div 10$ d $7300 \div 10$
 e $60\,400 \div 10$ f $127\,000 \div 10$ g $100\,000 \div 10$ h $4\,070\,500 \div 10$.

2. Write down the answers to these :-

- a $400 \div 100$ b $2700 \div 100$ c $8600 \div 100$ d $34\,000 \div 100$
 e $7000 \div 100$ f $109\,000 \div 100$ g $70\,000 \div 100$ h $2\,900\,000 \div 100$.

3. Write down the answers to :-

- a $5000 \div 1000$ b $57\,000 \div 1000$ c $93\,000 \div 1000$ d $20\,000 \div 1000$
 e $639\,000 \div 1000$ f $870\,000 \div 1000$ g $400\,000 \div 1000$ h $5\,100\,000 \div 1000$.

4. There are 100 pence in 1 pound. How many pounds are equal to :-

- a 1400p b 65 000p c 490 000p ?



5. A hive is built to take a maximum of 1000 bees. How many hives are need for :-

- a 17 000 bees b 38 000 bees c 250 000 bees d six million bees ?

Exercise 5



1. Calculate :-

- a $189 + 75$ b $518 + 427$ c $3795 + 1925$ d $7482 + 3828$
 e $207 - 28$ f $454 - 289$ g $7507 - 2718$ h $9576 - 7885$
 i 98×17 j 56×49 k 185×297 l 32×703
 m $4655 \div 19$ n $7223 \div 31$ o $17\,304 \div 56$ p $510 \times 18 \div 12$.

2. a  One carton has 825 ml of liquid in it, the other has 489 ml.

What's the difference in volumes ?

b Bert paid £1856 to upgrade his conservatory windows and £1689 to renew the roof.

How much did this cost him in total ?



c  Cospo's have 15 vacuum cleaners for sale at £175 each.

If they sell them all, how much money will they have taken in ?

cont'd

- d This vending machine can hold 24 bars of chocolate.
How many machines can be filled from 1395 bars of chocolate and how many bars will be left over ?



Revision Exercise



1. Find :-

a
$$\begin{array}{r} 82 \\ \times 4 \\ \hline \end{array}$$

b
$$\begin{array}{r} 8257 \\ \times 8 \\ \hline \end{array}$$

c 607×9

d 6×4235 .

2. Copy the following and complete :-

a $7 \overline{)413}$

b $7185 \div 5$

c $\frac{7314}{6}$

d $2574 \div 9$.

3. Do the following mentally :-

a 38×10

b 10×4270

c 501×100

d 100×700

e $6400 \div 10$

f $4000 \div 10$

g $85000 \div 100$

h $9000 \div 1000$.

4. Attempt these problems, **showing all working** :-

- a A ship carried 2276 passengers from Greenock to Barcelona.
On the return journey there were 1948 passengers.

What was the total number of passengers on both trips ?



b



A music shop orders in pianos at £2785 each.

How much did it cost for 6 pianos ?

- c This photocopier runs off 4285 copies over a five day week.

How many copies does that average out at per day ?



d



When buying a new £9250 car, Jean accepted
£3186 for her old one.

How much money did Jean have to pay the garage ?

5. Do the following :-

a $172 \times 7 \times 8$

b $2052 \div 9 \div 4$.

6. Put the correct sign (+, -, x, ÷) into these calculations to make them correct :-

a $78 \dots 78 = 1$

b $65 \dots 65 = 130$

c $83 \dots 83 = 0$

d $19 \dots 19 = 361$.