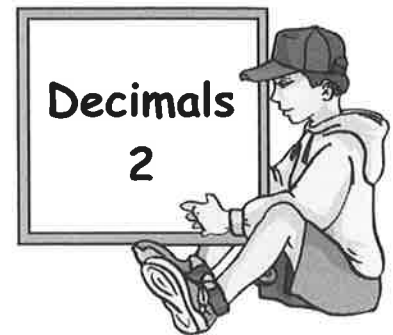


CHAPTER 7

Exercise 1



1. Write down the answers to the following :-

- a 5.7×10 b 4.25×10 c 10×8.36 d 10×17.84
e 0.87×10 f 10×0.03 g 10×1.234 h 0.0307×10 .

2. Write down the answers to :-

- a 5.67×100 b 1.65×100 c 100×7.04 d 100×9.5
e 4.613×100 f 100×0.864 g 100×0.0493 h 0.0027×100 .

3. Write down the answers to :-

- a 2.824×1000 b 3.090×1000 c 4.83×1000 d 1000×27.6
e 1000×0.975 f 0.0275×1000 g 1000×7.0707 h 1000×0.9001 .

4. A jar of strawberry jam weighs 0.345 kg. What is the weight of :-

- a 10 jars b 100 jars c 1000 jars ?



Exercise 2



1. Write down the answers to the following :-

- a $15.2 \div 10$ b $37.8 \div 10$ c $5.95 \div 10$ d $437.6 \div 10$
e $17.93 \div 10$ f $245.38 \div 10$ g $19.04 \div 10$ h $13 \div 10$.

2. Work out :-

- a $934.5 \div 100$ b $976.23 \div 100$ c $75.9 \div 100$ d $16.03 \div 100$
e $730 \div 100$ f $942 \div 100$ g $8.7 \div 100$ h $0.6 \div 100$.

3. Find :-

- a $8475.2 \div 1000$ b $39\,764.3 \div 1000$ c $9370 \div 1000$ d $836.1 \div 1000$
e $750 \div 1000$ f $300 \div 1000$ g $92.3 \div 1000$ h $14 \div 1000$.

4. a When 1000 paper clips were weighed, their total weight was 174 grams.
What was the weight of 1 paper clip ?



b 100 people formed a syndicate that got 4 numbers up in the Lotto.
If they received a total of £375, how much did each individual receive ?



Exercise 3



1. Copy the following and complete the calculations :-

a
$$\begin{array}{r} 2.68 \\ \times 4 \\ \hline \\ \hline \end{array}$$

b
$$\begin{array}{r} 8.97 \\ \times 2 \\ \hline \\ \hline \end{array}$$

c
$$\begin{array}{r} 18.3 \\ \times 5 \\ \hline \\ \hline \end{array}$$

d
$$\begin{array}{r} 45.93 \\ \times 7 \\ \hline \\ \hline \end{array}$$

e
$$\begin{array}{r} 40.87 \\ \times 8 \\ \hline \\ \hline \end{array}$$

f
$$\begin{array}{r} 160.76 \\ \times 9 \\ \hline \\ \hline \end{array}$$

g
$$\begin{array}{r} 465.7 \\ \times 3 \\ \hline \\ \hline \end{array}$$

h
$$\begin{array}{r} 334.79 \\ \times 6 \\ \hline \\ \hline \end{array}$$

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

a 9.8×6

b 17.6×8

c 7.64×4

d 18.76×9

3. A box of chocolates weighs 24.9 grams.

What is the weight of 5 boxes? (show your working)



4.  Peter the plumber charges £32.69 per hour.

How much did he earn for working one day from 8.45 am till 3.45 pm?
(show your working)

Exercise 4



1. Copy the following and complete the calculations :-

a
$$\begin{array}{r} 3 \overline{)16.47} \end{array}$$

b
$$\begin{array}{r} 2 \overline{)27.46} \end{array}$$

c
$$\begin{array}{r} 4 \overline{)50.76} \end{array}$$

d
$$\begin{array}{r} 5 \overline{)79.15} \end{array}$$

e
$$\begin{array}{r} 8 \overline{)0.56} \end{array}$$

f
$$\begin{array}{r} 6 \overline{)0.96} \end{array}$$

g
$$\begin{array}{r} 7 \overline{)111.58} \end{array}$$

h
$$\begin{array}{r} 9 \overline{)50.76} \end{array}$$

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

a $9.8 \div 2$

b $51.8 \div 7$

c $9.06 \div 3$

d $38.34 \div 6$

e $1.36 \div 4$

f $81.06 \div 6$


g $78.3 \div 9$

h $0.16 \div 8$

3. 6 packets of pastilles weigh 289.2 grams.

What is the weight of 1 packet? (show your working)



4.  Winnie is paid £62.44 for working 7 hours as an hotel receptionist.
How much does she earn per hour? (show your working)

5. What is one eighth of 3.936?


Exercise 5



1. I bought 9.5 square metres of carpet at £20.54 per square metre.


How much did it cost me altogether?



2.  If three bottles, holding 1.725 litres, 0.95 litres and 2.039 litres of liquid lawn feed are poured into a watering can, how much liquid will there be **altogether** in the can?


3. Brian has an annual salary of £20 236.80 and gets paid every month. How much does he earn per month?



4.  Mrs Henderson took her two sons Go-Karting. It cost £12.50 for herself and £6.75 for each of her sons. What was the **total** cost?


5. Alison pays £255.87 for a 9 month's phone contract. What does it cost her each month?



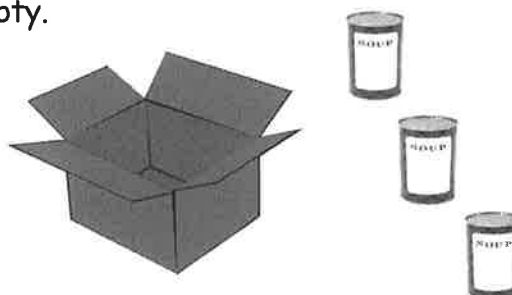
6.  Paula hired a carpet cleaning machine from a DIY store. It cost her a £9.75 deposit **plus** £3.99 per hour. If she collected the machine at 0830 and returned it at 1630 how much did she have to pay altogether?

7. High Drive are offering a package of 8 driving lessons for £179.84. Easy Pass are selling a package of 6 driving lessons for £135.06. Which driving school is cheaper per lesson and by how much?



8.  Doris buys five coffees each costing £2.99, four rounds of sandwiches at £1.95 each and three slices of apple pie at £2.48 per slice. What change does she get from £35?

9. A cardboard box weighs 0.595 kg when empty. Each tin of soup weighs 0.436 kg. What is the total weight of a box containing 24 tins?



Revision Exercise



1. Write down the answers to :-

- a 0.87×10 b 10×36.91 c 100×0.456 d 8.3×100
 e 0.6004×1000 f 1000×1.99 g $34.8 \div 10$ h $0.37 \div 10$
 i $760 \div 100$ j $9.87 \div 100$ k $5290 \div 1000$ l $58.2 \div 1000$.

2. Set down and find :-

- a 3.56×7 b 6×4.74 c $6.465 \div 5$ d $11.55 \div 3$.

3. How much change from **two** £2 coins will I receive if I buy a bun at £1.29 and a can of lemonade at 89 pence ?



4.

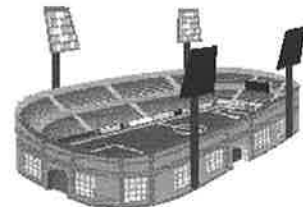


One tin of high gloss paint covers 7 square metres of a wall.

- a How many tins will I need for a fence with an area of 59.5 square metres ?
 b At £12.50 per tin, what will I have to pay ?

5. Mr Bennet bought four season tickets for the football at a total price of £1115.96.

What was the cost of 1 season ticket ?



You may use a calculator for the next 3 questions, but show all your working.

6.



This sack of potatoes weighs 8.925 kg.

A farm produces 85 sacks per day.

How many kg of potatoes is this ?
 (Round your answer to 1 decimal place).



7. A rally car travelled 98.75 miles on 12.5 gallons of petrol.

How many miles to the gallon did the car get ?



8.



"Stickos" are selling boxes of 120 printer labels for £3.

"Label'em" are selling labels in rolls of 500 for £11.

Which printer label shop is cheaper per label and by how much ?