

- (a) A train carrying 84 passengers stops at a station and 27 get off the train. How many passengers are still on the train?
- (b) One hundred and ninety two passengers disembark from an aeroplane. If there are two hundred and seventeen passengers still on board, how many passengers were originally on the plane?



- (c) The population of Aytown is 48 700. The population of Beestone is 57 500.
 - (i) Write the total population of both towns.
 - (ii) How many more people live in Beestone than Aytown?
- 3. The population of Ceetown is 40 000. Of this population there are 16 500 men, 14 800 women and the rest are children.

How many children live in Ceetown?

4. In Pascals's triangle the	row O	1
number 1 appears at the	row 1	1 1
top and at each end of subsequent rows as shown.	row 2	1 2 1
To find a number inside	row 3	1 3 3 1
the triangle add the two numbers above it	row 4	1 4 1
(a) Copy and complete the triangle up to row 5.	row 5	1
(b) Continue the numbers up to	row 10.	
Exercise 3		

1. Write down the answers to the following :-

(a) 22 × 10	(b)	10 × 39	(c)	104 × 10	(d)	10 x 340
(e) 2020 × 10	(f)	34 × 100	(g)	100 × 40	(h)	101 × 100
(i) 2010 × 100	(j)	8100 × 300	(k)	21 × 1000	(I)	1000 × 70
(m) 200 × 1000	(n)	3050 × 1000	(o)	1000 × 1000	(p)	5000 × 3000
T I (000		X ·				

2. There are 1000 ml (millilitres) in 1 litre.

How many ml in :-	(a)	4 litres	(b)	30 litres	(c)	12 litres
	(d)	150 litres	(e)	100 litres	(f)	1000 litres ?

3. During Summer three thousand fly's are produced every day in a forest.

How many flv's would be produced in July?







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this is chapter 1

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Ex	ercise 4						
1. \	Write down the answer	rs to	the following :-				
	(a) 20 ÷ 10	(b)	300 ÷ 10	(c)	14 000 ÷ 10	(d)	200 000 ÷ 10
	(e) 1000000 ÷ 10	(f)	400 ÷ 100	(g)	8000 ÷ 100	(h)	5400 ÷ 100
	(i) 99 000 ÷ 100	(j)	120 400 ÷ 100	(k)	8000 ÷ 1000	(I)	42 000 ÷ 1000
	(m) 870 000÷ 1000	(n)	909 000 ÷ 1000	(o)	1000 ÷ 1000		
2.	There are 1000 ml (mi	llilitr	es) in a litre.				
	How many litres in :-	(a)	50 000 ml	(b)	100 000 ml	(c) a	million litres?
3.	A virus grows at a stee	ady r	ate and produces S	900 m	illion bacteria in 1	10 hour	rs. 👝 o 😵
	How many bacteria wil	ll it p	roduce in one hour	?			a start of the sta
Ex	ercise 5						
1. (Copy the following and	com	plete the calculation	on:-			
	(a) 571	(b)	435	(c)	708	(d)	5555
	<u>× 3</u>	_	<u>× 7</u>	_	<u>× 9</u>		<u>× 8</u>
		-		_			
2.	Rewrite each if these	in the	e above form and c	comple	ete the calculation	n∶-	
	(a) 207 x 6	(b)	824 × 8	(c)	1057 × 4	(d)	5 x 888
3.	Show all your working	in ar	swering the follow	ving q	uestions :-		
	 (a) Mrs. Brown is paid (b) How many hours in (c) How many seconds (d) Find 8 x 4 x 56. 	£14 n a we s in 4	08 a month. How n zek? hours?	uch v	vould she earn in 9	9 mont	hs?
4.	Find 10 × 9 × 8 × 7 × 6	5 x 5	x 4 x 3 x 2 x 1.				£ 11 12
Ex	ercise 6						10
1. 3	Set down and complete	:-					
	(a) 2 4 8 x 2 6		(b) 546 <u>×59</u>		(c) 704 <u>x72</u>		(d) 555 <u>x55</u>
	0		0				
2.	Set down in the manne	er sho	own above and find	:-			
	(a) 204 × 24		(b) 157 x 83		(c) 941 x 19		(d) 3241 x 237

this is chapter 1

(a) 7 3808

Exercise 7

2. Set down in the manner shown above and complete the calculation :-

(b) 5 9265

- (a) 7277÷7 (b) 5175÷9 (c)
- 3. Show all your working in answering the following questions :-
 - (a) How many weeks are in 343 days?
 - (b) Golf balls are packed with 6 in each box.How many boxes are needed for 258 balls?

1. Copy the following and complete the calculation :-

- (c) A nine hole golf course has length 1973 yards.Find the average length of each hole.
- (d) A pack of golf tees contains 8 tees.How many packs are needed for 2248 tees?
- 4. Find the remainder each time :-

- 5. Marbles are packed into packets of nine.
 - (a) How many packets are needed for 3871 marbles?
 - (b) How many marbles are left over?
- 6. You may use a calculator here, but show how you obtained your answers :-
 - (a) 471 ÷ 14 (b) 888 ÷ 33 (c) 1000 ÷ 85 (d) 1111 ÷ 123.

Exercise 8

- 1. Try to do the following mentally :-
 - (a) 32 x 30 (b) 41 x 60 (c) 50 x 321 (d) 404 x 90 (e) 12 x 300 (f) 42 x 400 500 x 21 800 x 312 (q) (h) (i) 9021 x 30 (j) 312 x 7000 2000 ÷ 20 4400 ÷ 400 (k) (I)(o) 10 million ÷ 50000 (m) 80 400 ÷ 200 (n) 1 million ÷ 2000



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(d) 8 5216

6016

(d)



(c) <u>6</u>7434

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2. Calculate each of the following (not necessarily mentally) :-							
(a) 224 × 30	(b)	512 × 80	(c)	40 x 875	(d)	123 × 200	
(e) 414 × 300	(f)	6000 × 41	(g)	20 200 × 40	(h)	2012 × 800	
(i) 986 x 20 x 50 x	40		(j)	20 x 30 x 87 x 5	0 x 10	0	
3. A box contains 50 ma	tches						
How many matches ar	e in :-	(a) 50 boxes	(b)	231 boxes?		- (1 1	
4. An equal amount of 34	4 100	marbles have to be	e put i	nto 200 jars.		HTTTTTT-	
How many marbles wi	ll be i	n each jar?				- 180000	
5. A jar hold 340 sweets	s. A bo	ox hold 20 jars. A c	crate	holds 30 boxes.			
How many sweets w	ould t	be in 20 crates ?					
-					§		
Exercise 9							
1. Round to the nearest 1	lO :-						
(a) 71	(b)	78	(c)	129	(d)	1995	
2. Round to the nearest	100 :-						
(a) 291	(b)	78	(c)	781	(d)	23 559	
3. Round to the nearest	1000 :	-					
(a) 4500	(b)	7299	(c)	18 901	(d)	1 234 567	
4. Sound travels through water at a speed of 1460 metres per second. Round this figure to the nearest :-							
(a) 10	(b)	100	(c)	1000.			
5. A fossil was discovered and was carbon dated at 127 891 years old. Round this figure to the nearest :-							
(a) 10	(b)	100	(c)	10 000	(d)	100 000.	
Exercise 10						A CO	
Estimate each of the problems below mentally.							
1. Round each answer an	id give	e an estimate to :-			$\left(\right)$?	
(a) 59 × 19	(b)	402 × 99	(c)	379 × 320	45	2/	
(d) 894 ÷ 38	(e)	512 ÷ 22	(f)	1961 ÷ 197	٦		
2. Nineteen houses in a s How many litres of wo	street ater is	t use 311 litres of v this altogether?	vater	each every day.			

3. The number of termites found in 196 mounds was 131 089. How many on average would each mound have ?

Revision Exercise

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- 1. Write out the number 2 040 800 in words.
- 2. Write these numbers using figures :- (a) one hundred thousand and thirty (b) 10.5 million.
- 3. Try these questions mentally :-
 - (a) 18×10 (b) 45×100 (c) 1000×432 (d) $23 \times 20 \times 30$ (e) $780 \div 20$ (f) 23×30 (g) 821×40 (h) $230\,000 \div 1000$
 - (i) 39 000 ÷ 300 (j) 4900 ÷ 700 (k) 4 963 000 ÷ 700
 - (k) A fishing trip company stocks 320 jars of worms. Each jar contains 30 worms. How many worms in total does the company stock?
 - (I) On a fish farm 23 400 fish are kept in 30 tanks.
 If each tank has the same number of fish, how many fish are in each tank?

Show all working for question 4 to 6.

- 4. (a) At the cup final the attendance was : Rovers 12 829 supporters, United 13 482 supporters.
 - (i) What was the total attendance? (ii) How many more United supporters were there?
 - (b) Seven of the United team were being paid £8435 each. How much is this in total?
 - (c) Six Rovers players were being paid a total of £45812.

If they were paid equal amounts, how much were they paid each ?

5. (a) Boy band BLoo are buying a new tour bus which costs £143 850.

Round this number to the nearest :- (i) £100 (ii) £1000 (iii) £10000

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(b) The band are paying over 48 months.

Round each number to 1 figure accuracy and give an estimate for each monthly payment.

(c) The bus can seat 36 passengers.

How many trips will the bus have to make to transport all 226 tour crew?

6. John has a CD collection.
When he puts them in piles of two, three or four he has one left over.
He has none left when he puts them in piles of seven.

What is the least number of records John can have?











Ch 1 - Whole numbers