

Chapter 5

Dividing by 4

Whole Numbers 3

Be able to divide
2 digits by 4
(no remainder)

Dividing by 4 is the same as **sharing** equally between **four**.

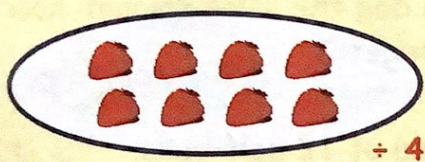
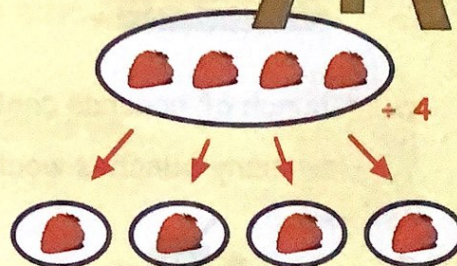
Sam has **4** strawberries.

He shares them with Aaron, Joan and Pete.
All four each get **1** strawberry.

We say that **4 divided by 4 = 1**.

or

$$4 \div 4 = 1$$



Julie has **8** strawberries.

She shares them with Pat, Nan and Ian.
They each get **2** strawberries.

We say that **8 divided by 4 = 2**.

or

$$8 \div 4 = 2$$

Exercise 1

1. Write out your **4 times** table and use it to help in this exercise.



2. Copy and complete :-

a $12 \div 4 = \dots$

b $8 \div 4 = \dots$

c $16 \div 4 = \dots$

d $24 \div 4 = \dots$

e $20 \div 4 = \dots$

f $28 \div 4 = \dots$

g $36 \div 4 = \dots$

h $32 \div 4 = \dots$

i $40 \div 4 = \dots$

3. Find the missing numbers here :-

a $\boxed{} \div 4 = 5$

b $\boxed{} \div 4 = 10$

c $\boxed{} \div 4 = 7$

d $\boxed{} \div 4 = 6$

e $\boxed{} \div 4 = 9$

f $\boxed{} \div 4 = 8$

4. Try these questions **mentally**.

a 4 children share out 32 flowers equally.

How many does each get ?



b



The total number of pencils in 4 boxes is 40.

How many pencils are in each box ?

c A bunch of bananas contains 4 bananas.

How many bunches would 28 bananas make ?



d



Frank bought 16 biscuits for his four dogs.

If he gave each dog the same amount, how many would each get ?

e When 4 girls went golfing they lost a total of 12 golf balls.

They each lost the same number of balls.

How many was that ?



f



It cost £36 for four child tickets to the finals of the tennis competition.

What was the price of a ticket ?

*** Remember**

$$48 \div 4 = \dots$$

can be written as :-

$$\begin{array}{r} 12 \\ 4 \overline{) 48} \end{array}$$

How many 4's are in the 4 ? answer 1

How many 4's are in the 8 ? answer 2

5. Copy and complete these :-

a $4 \overline{) 40}$

b $4 \overline{) 48}$

c $4 \overline{) 44}$

d $4 \overline{) 80}$

e $4 \overline{) 84}$

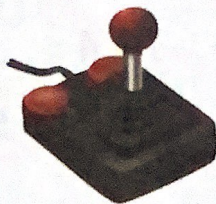
f $4 \overline{) 88}$

Set down each question as a division sum and work it out.

6. a It took Tam **84** seconds to eat **4** burgers.
How long would it have taken him to eat 1?



b



- Kim bought **4** identical joysticks for a total of **£48**.
How much did they each cost?

c

- A box of **88** chips was shared between **4** children.
How many did each of them get?



d



- A pineapple is quartered by cutting it into **4** slices.
If I have **40** slices, how many whole pineapples
must I have had to cut up?