

Dividing by 4 - Remainders

Be able to divide
2 digits by 4
(a remainder)

Example 1

$$45 \div 4 = \dots$$

can be written as :-
$$\begin{array}{r} 11 \text{ r } 1 \\ 4 \overline{) 45} \end{array}$$

How many 4's are in 4 ? ans 1

How many 4's are in 5 ? ans 1 r 1

Example 2

$$52 \div 4 = \dots$$

can be written as :-
$$\begin{array}{r} 13 \\ 4 \overline{) 52} \end{array}$$

remainder 1
is carried

How many 4's are in 5 ? ans 1 r 1

How many 4's are in 12 ? ans 3

Example 3

$$67 \div 4 = \dots$$

can be written as :-
$$\begin{array}{r} 16 \text{ r } 3 \\ 4 \overline{) 67} \end{array}$$

remainder 2 is carried
and still another
remainder appears

How many 4's are in 6 ? ans 1 r 2

How many 4's are in 27 ? ans 6 r 3

Exercise 2

Worksheet 5.1



1. Copy and complete :-

a $13 \div 4 = \dots$

b $11 \div 4 = \dots$

c $14 \div 4 = \dots$

d $23 \div 4 = \dots$

e $9 \div 4 = \dots$

f $7 \div 4 = \dots$

g $18 \div 4 = \dots$

h $15 \div 4 = \dots$

i $19 \div 4 = \dots$

2. Set down and work out :-

a $4 \overline{)42}$

b $4 \overline{)43}$

c $4 \overline{)46}$

d $4 \overline{)49}$

e $4 \overline{)81}$

f $4 \overline{)82}$

g $4 \overline{)85}$

h $4 \overline{)87}$

* Remember - set down the following as division sums and work them out.

3. a 17 slices of lasagne were divided between 4 diners.

How many slices did each get and how many were left over?



b



41 receipts were placed equally into 4 folders.

How many receipts went in each folder and how many were left out?

c

4 envelopes were used to keep 89 stamps in.

Each envelope had the same number of stamps.



How many were in each envelope and how many were left out?

d



Playing in the garden, Joe and his 3 pals divided 83 water balloons between them and gave the rest to Joe's sister Mandy.

How many water balloons did Mandy get?

e

I'm thinking of a big number. When I divide it by 4, I get the answer 15, remainder 3.

What number was I thinking about?

