Word problems
(with regrouping)

Example 1:

A bakery has 28 chocolate cupcakes and 26 vanilla cupcakes. How many cupcakes do they have in total?

Solution:

The number of chocolate cupcakes = 28

The number of vanilla cupcakes = 26

Total number of cupcakes in the bakery = 54

$$\begin{array}{r} 1 \quad\ \\ 2\,8 \\ +\ 2\,6 \\ \hline 5\,4 \end{array}$$

Therefore,

Total number of cupcakes in the bakery = 54

Example 2:

Jenny can read 39 words. Her brother can read 35 words. How many words they can read together?

Solution:

The number of words that can be read by Jenny = 39

The number of words that can be read by her brother = 35

The number of words that can be read by both of them = 74

$$\begin{array}{r} 1 \quad\ \\ 3\,9 \\ +\ 3\,5 \\ \hline 7\,4 \end{array}$$

Therefore,

Total number of words that can be read by both of them = 74.

Example 3:

In a shop, there are 55 cans of red paint and 18 cans of yellow paint. How many cans of paint in stock?

Solution:

1

The number of red paint cans = 5 5

+

The number of yellow paint cans = 1 8

The number of cans of paint in stock = 7 3

Therefore,

Total number of cans of paint in stock = 73.

Example 4:

Kayley scored 46 runs and James scored 37 runs. How many runs did they scored in their partnership?

Solution:

1

Kayley's score = 4 6

+

Jame's score = 3 7

sum of scores in their partnership = 8 3

Therefore,

They scored 83 runs in their partnership

Example 5:

In a pet shop, there are 67 cats and 24 dogs. How many cats and dogs are there in the pet shop?

Solution:

The number of cats in the pet shop = 6 7

The number of dogs in the pet shop = 2 4

                                      +

The number of cats and dogs in the pet shop = 9 1

Therefore,

Total number of cats and dogs in the pet shop = 91.

Example 6:

In a Zoo, there are 79 mammals and 18 reptiles. How many animals are in the Zoo?

Solution:

The number of mammals in the Zoo = 7 9

The number of reptiles in the Zoo = 1 8

                                     +

Total number of animals in the Zoo = 9 7

Therefore,

Total number of animals in the Zoo = 97.