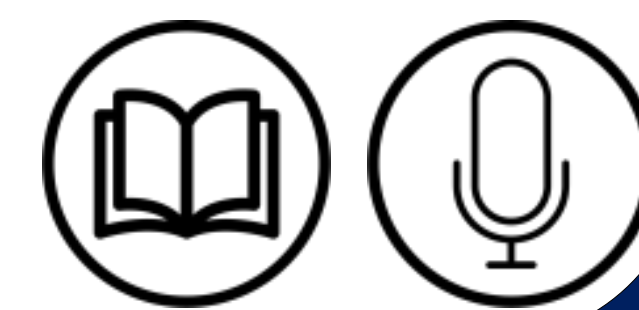# Word problems

(with regrouping)

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

Solution:

The number of chocolate cupcakes   =   2 8

The number of vanilla cupcakes   =   2 6

+

$$1$$

$$8 + 6 = 14$$
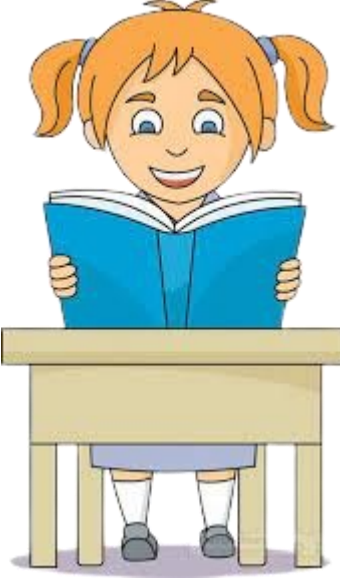
$$1 + 2 + 2 = 5$$

Total number of cupcakes in the bakery   =   5 4

Therefore,

Total number of cupcakes in the bakery = 54

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 = 3 9

The number of words that can be read by her brother = 3 5

The number of words that can be read by both of them = 7 4

$$1$$
$$3\ 9$$
$$+\ 3\ 5$$
$$9 + 5 = 14$$
$$1 + 3 + 3 = 7$$

Therefore,

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

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

5 + 8 = 13

+

The number of yellow paint cans = 1 8

1 + 5 + 1 = 7

The number of cans of paint in stock = 7 3

Therefore,

Total number of cans of paint in stock = 73.

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

<u>Solution:</u>

$$1$$

Kayley's score $= 4\ 6$

James score $= 3\ 7$

$+$

sum of scores in their partnership $= 8\ 3$

$6 + 7 = 13$

$1 + 4 + 3 = 8$

Therefore,

They scored 83 runs in their partnership

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

+

7 + 4 = 11

1 + 6 + 2 = 9

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

Therefore,

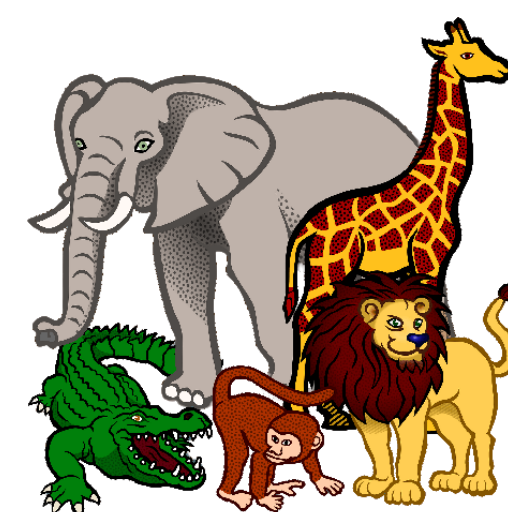Total number of cats and dogs in the pet shop = 91.
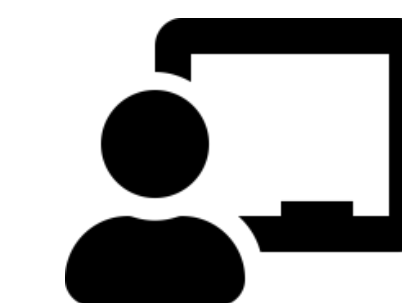
In a Zoo, there are 79 mammals and 18 reptiles. How many animals are in the Zoo?

Solution:

The number of mammals in the Zoo = 7 9

The number of reptiles in the Zoo = 1 8

+ 9 + 8 = 17
1 + 7 + 1 = 9

Total number of animals in the Zoo = 9 7

Therefore,

Total number of animals in the Zoo = 97.