



Inverse operations

CAPS Statement

Numbers, operations and relationships:

Using addition and subtraction as inverse operations.

Note

There is an inverse relationship between addition and subtraction.

If a math fact is considered, for example $3 + 7 = 10$.

Then the following are also true:

$$10 - 3 = 7$$

$$10 - 7 = 3$$

Similar relationships exist for subtraction, for example $10 - 3 = 7$.

Then the following are also true:

$$3 + 7 = 10$$

$$7 + 3 = 10$$

Activity 1

Find the value of each unknown symbol using inverse operation.

Example

$$67 + 72 = \underline{87} + 52$$

$$67 + 72 = \underline{139}$$

$$87 + 52 = \underline{139}$$

a $77 + 71 = \underline{\quad} + 73$

b $\underline{\quad} + 8 = 7 + 95$

c $55 + 51 = \underline{\quad} + 15$

d $4 + 64 = 64 + \underline{\quad}$

e $4 + 78 = \underline{\quad} + 23$

f $10 + 71 = 13 + \underline{\quad}$

g $39 + \underline{\quad} = 48 + 16$

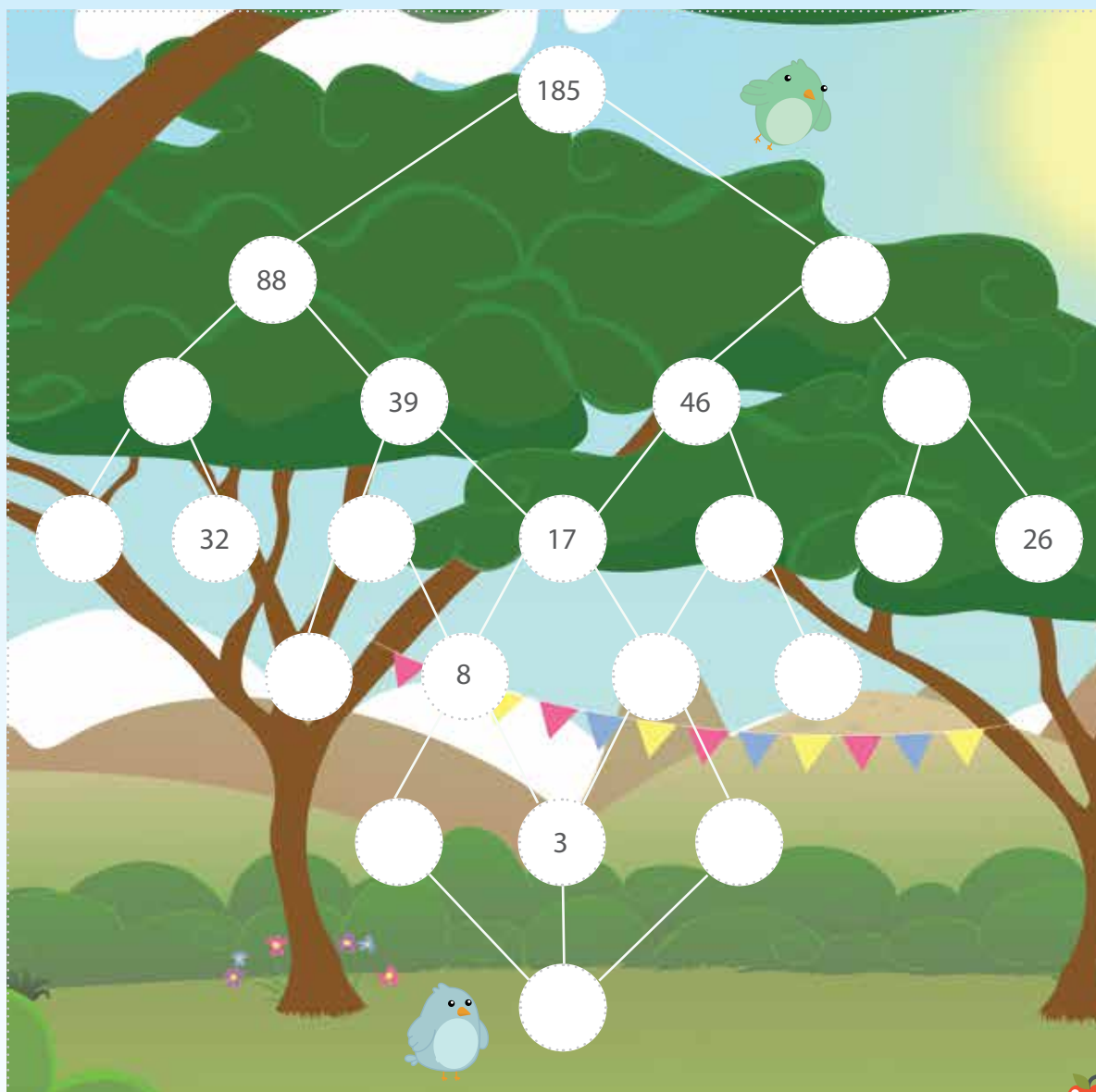
h $82 + 97 = 92 + \underline{\quad}$

i $97 + \underline{\quad} = 88 + 49$

j $40 + 71 = \underline{\quad} + 76$

Activity 2

Complete the number tree using inverse operations.



Teacher Tip

Learners can write out the sums, like the example provided in Activity 1 or just place the necessary answer in the space depending on their capability.

