

## Problems Like 73 - 19

We are learning to solve problems like 73-19 by first subtracting a tidy number then adding on a small number to get the answer.

AC

EA

AA

AM

AP

### Exercise 1

Sue looked at  $73 - 19$  and said this is the same as  $73 - 20 + 1 = 54$

What to do

- 1) Use this strategy to find the number that goes in the box.
- 2) Do the problems in your head first.
- 3) Check you are right by writing them down. Show them like the examples above.

- 1)  $26 - 18 = 26 - 20 + \square$       (2)  $53 - 29 = 53 - 30 + \square$       (3)  $44 - 17 = 44 - 20 + \square$   
4)  $75 - 38 = 75 - 45 + \square$       (5)  $66 - 29 = 66 - 30 + \square$       (6)  $81 - 18 = 81 - 20 + \square$   
7)  $362 - 98 = 362 - 100 + \square$       (8)  $183 - 97 = 183 - 100 + \square$

### Exercise 2

Are these statements true or false?

- 1)  $31 - 19 = 31 - 20 + 1$       (2)  $83 - 67 = 83 - 70 - 3$       (3)  $41 - 18 = 41 - 20 + 2$   
4)  $173 - 89 = 173 - 80 + 9$       (5)  $154 - 48 = 154 - 50 + 4$       (6)  $72 - 59 = 72 - 60 + 1$   
7)  $365 - 198 = 365 - 200 - 2$       (8)  $891 - 37 = 891 - 40 + 3$

### Exercise 3

Find the number that goes in the box.

- 1)  $56 - 29 = 56 - \square + 4$       (2)  $71 - 48 = 71 - \square + 3$       (3)  $224 - 19 = 224 - \square + 5$   
4)  $85 - 47 = 85 - \square + 5$       (5)  $36 - 18 = 36 - \square + 4$       (6)  $53 - 27 = 53 - \square + 5$   
7)  $171 - 68 = 171 - \square + 3$       (8)  $431 - 28 = 431 - \square + 3$

## Exercise 4

Fill in the blanks with one possible answer.

$$1) 53 - 18 = 53 - \square + \bigcirc$$

$$(2) 66 - 38 = 66 - \square + \bigcirc$$

$$(3) 77 - 48 = 77 - \square + \bigcirc$$

$$(4) 153 - 47 = 153 - \square + \bigcirc$$

$$5) 401 - 59 = 401 - \square + \bigcirc$$

$$(6) 92 - 48 = 92 - \square + \bigcirc$$

$$(7) 83 - 39 = 83 - \square + \bigcirc$$

## Exercise 5

Fill in the brackets. Use the principle of first subtracting a number then adding on a small number to get the answer. Each letter stands for any number.

$$1) n - 19 = n - (19 + \dots) + \dots$$

$$2) 53 - n = 53 - (n + \dots) - a$$

$$3) 71 - n = 71 - (n + \dots) + \dots$$

$$4) n - a = n - (a + \dots) + \dots$$

## Exercise 6

Fill in the symbols with a letter to make the sentence true.

$$1) 253 - (a + b) = 253 - \square - \bigcirc$$

$$2) 433 - (m + n) = 433 - \square - \bigcirc$$

$$3) 266 - (x + y) = 266 - \square - \bigcirc$$

$$4) 189 - (a + b) = 189 - \square - \bigcirc$$

$$5) 125 - (m + n) = 125 - \square - \bigcirc$$

$$6) \square - 44 = \square - 40 - \bigcirc$$

$$7) x - (a + b) = x - \square - \bigcirc$$

$$8) y - (m + n) = y - \square - \bigcirc$$

$$9) a - (x + y) = a - \square - \bigcirc$$

## Problems Like 73 - 19

### Answers

#### Exercise 1

$$1) 26 - 18 = 26 - 20 + 2$$

$$(2) 53 - 29 = 53 - 30 + 1$$

$$(3) 44 - 17 = 44 - 20 + 3$$

$$4) 75 - 38 = 75 - 45 + 7$$

$$(5) 66 - 29 = 66 - 30 + 1$$

$$(6) 81 - 18 = 81 - 20 + 2$$

$$7) 362 - 98 = 362 - 100 + 2$$

$$(8) 183 - 97 = 183 - 100 + 3$$

#### Exercise 2

1) T

(2) F

(3) T

4) F

(5) F

(6) T

7) F

(8) T

#### Exercise 3

$$1) 56 - 29 = 56 - 33 + 4$$

$$(2) 71 - 48 = 71 - 51 + 3$$

$$(3) 224 - 19 = 224 - 24 + 5$$

$$4) 85 - 47 = 85 - 52 + 5$$

$$(5) 36 - 18 = 36 - 22 + 4$$

$$(6) 53 - 27 = 53 - 32 + 5$$

$$7) 171 - 68 = 171 - 71 + 3$$

$$(8) 431 - 28 = 431 - 31 + 3$$

#### Exercise 4

All answers in this exercise follow the same pattern.

$$a - b = a - (b + c) + c$$

#### Exercise 5

$$1) n - 19 = n - (19 + a) - a$$

$$2) 53 - n = 53 - (n + a) - a$$

$$3) 71 - n = 71 - (n + a) - a$$

$$4) n - a = n - (a + x) - x$$

#### Exercise 6

$$1) 253 - (a + b) = 253 - a - b$$

$$2) 433 - (m + n) = 433 - m - n$$

$$3) 266 - (x + y) = 266 - x - y$$

$$4) 189 - (a + b) = 189 - a - b$$

$$5) 125 - (m + n) = 125 - m - n$$

$$6) a - 44 = a - 40 - 4$$

$$7) x - (a + b) = x - a - b$$

$$8) y - (m + n) = y - m - n$$

$$9) a - (x + y) = a - x - y$$