

## Same Answer Anyway Answer Key

### 1. Compute both sides

a)  $(5 + 6) + 3 = 11 + 3 = 14$

$5 + (6 + 3) = 5 + 9 = 14$

What do you notice? Both sides equal 14. The sum stayed the same.

b)  $(8 + 2) + 7 = 10 + 7 = 17$

$8 + (2 + 7) = 8 + 9 = 17$

What do you notice? Both sides equal 17.

### 2. Fill in the missing number

$(4 + 9) + 2 = 4 + (9 + 2)$

$(7 + 3) + 5 = 7 + (3 + 5)$

### 3. True or False - Addition

a)  $(3 + 8) + 4 = 3 + (8 + 4) \rightarrow \text{True}$

b)  $(10 + 5) + 2 = 10 + (5 + 2) \rightarrow \text{True}$

c)  $(6 + 7) + 3 = 6 + (7 \times 3) \rightarrow \text{False}$  (operation changed)

### 4. Compute both sides

a)  $(2 \times 4) \times 5 = 8 \times 5 = 40$

$2 \times (4 \times 5) = 2 \times 20 = 40$

What do you notice? Both sides equal 40.

b)  $(6 \times 3) \times 2 = 18 \times 2 = 36$

$6 \times (3 \times 2) = 6 \times 6 = 36$

What do you notice? Both sides equal 36.

### 5. Fill in the missing number

$(3 \times 5) \times 4 = 3 \times (5 \times 4)$

$(2 \times 3) \times 6 = 2 \times (3 \times 6)$

### 6. True or False — Multiplication

a)  $(5 \times 2) \times 3 = 5 \times (2 \times 3) \rightarrow \text{True}$

b)  $(7 \times 4) \times 2 = 7 \times (4 + 2) \rightarrow \text{False}$  (operation changed)

c)  $(9 \times 1) \times 3 = 9 \times (1 \times 3) \rightarrow \text{True}$