

Grade 5 Commutative and associative properties Worksheet

1. Show that the commutative property is true by solving each of these problems two ways. An example is shown.

Example: Question: $4 + 3$
 Answer: $4 + 3 = 7$ $3 + 4 = 7$

a. $5 + 14$

b. 9×5

2. Show that the associative property is true by solving each of these problems in two ways.

a. $4 + 3 + 7$

b. $3 \times 2 \times 8$

3. Solve these as simply as you can – they are deliberately set up in a way that should make using the associative property the easiest, but you may use whichever method you choose.

Example: $7 \times \underline{5} \times \underline{2}$
 $= 7 \times 10$
 $= 70$

a. $8 + 3 + 17$

b. $2 \times 3 \times 9$

c. $4 + 7 + 16$

d. $6 \times 4 \times 5$

e. $5 + 4 + 26$

f. $4 \times 5 \times 10$