



# Properties of Multiplication

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 3

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. In Grade 3, an array of  $6 \times 8$  can be split into  $6 \times 5$  and  $6 \times$  \_\_\_\_\_ .
2. A Grade 3 student splits  $7 \times 9$  into  $7 \times 10 - 7 \times$  \_\_\_\_\_ .
3. In Grade 3,  $8 \times 6 = 8 \times 3 + 8 \times$  \_\_\_\_\_ .
4. A Grade 3 learner computes  $5 \times 8$  as  $5 \times 4 + 5 \times$  \_\_\_\_\_ .
5. In Grade 3,  $9 \times 7 = 9 \times 5 + 9 \times$  \_\_\_\_\_ .
6. A Grade 3 student splits  $6 \times 11$  into  $6 \times 10 + 6 \times$  \_\_\_\_\_ .
7. In Grade 3,  $4 \times 9 = 4 \times 10 - 4 \times$  \_\_\_\_\_ .
8. A Grade 3 array of  $7 \times 6$  splits into  $7 \times 3 + 7 \times$  \_\_\_\_\_ .
9. In Grade 3,  $8 \times 9 = 8 \times 10 - 8 \times$  \_\_\_\_\_ .

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 3: $7 \times 9$ as $7 \times 10 - 7 \times 1$	→ _____	63
Grade 3: $8 \times 6$ as $8 \times 3 + 8 \times 3$	→ _____	48
Grade 3: $9 \times 7$ as $9 \times 5 + 9 \times 2$	→ _____	63 also
Grade 3: $8 \times 9$ as $8 \times 10 - 8 \times 1$	→ _____	72

## Answer Key · Properties of Multiplication · Grade: Grade 3

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. In Grade 3, an array of  $6 \times 8$  can be split into  $6 \times 5$  and  $6 \times \underline{3}$  .
2. A Grade 3 student splits  $7 \times 9$  into  $7 \times 10 - 7 \times \underline{1}$  .
3. In Grade 3,  $8 \times 6 = 8 \times 3 + 8 \times \underline{3}$  .
4. A Grade 3 learner computes  $5 \times 8$  as  $5 \times 4 + 5 \times \underline{4}$  .
5. In Grade 3,  $9 \times 7 = 9 \times 5 + 9 \times \underline{2}$  .
6. A Grade 3 student splits  $6 \times 11$  into  $6 \times 10 + 6 \times \underline{1}$  .
7. In Grade 3,  $4 \times 9 = 4 \times 10 - 4 \times \underline{1}$  .
8. A Grade 3 array of  $7 \times 6$  splits into  $7 \times 3 + 7 \times \underline{3}$  .
9. In Grade 3,  $8 \times 9 = 8 \times 10 - 8 \times \underline{1}$  .

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 3: $7 \times 9$ as $7 \times 10 - 7 \times 1$	→ <u>63</u>	63
Grade 3: $8 \times 6$ as $8 \times 3 + 8 \times 3$	→ <u>48</u>	48
Grade 3: $9 \times 7$ as $9 \times 5 + 9 \times 2$	→ <u>63 also</u>	63 also
Grade 3: $8 \times 9$ as $8 \times 10 - 8 \times 1$	→ <u>72</u>	72