



## Distributive property of multiplication

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### Grade 5 Multiplication Worksheet

**Example:  $3 \times 23 = (3 \times 20) + (3 \times 3) = 60 + 9 = 69$**

Rewrite the equations using the distributive property and find the answer.

1.  $20 \times 4 =$  \_\_\_\_\_

2.  $20 \times 26 =$  \_\_\_\_\_

3.  $20 \times 5 =$  \_\_\_\_\_

4.  $8 \times 22 =$  \_\_\_\_\_

5.  $3 \times 8 =$  \_\_\_\_\_

6.  $7 \times 27 =$  \_\_\_\_\_

7.  $10 \times 8 =$  \_\_\_\_\_

8.  $10 \times 9 =$  \_\_\_\_\_

9.  $10 \times 27 =$  \_\_\_\_\_

10.  $10 \times 4 =$  \_\_\_\_\_



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**Example:  $3 \times 23 = (3 \times 20) + (3 \times 3) = 60 + 9 = 69$**

Rewrite the equations using the distributive property and find the answer.

1.  $20 \times 4 = (10 \times 4) + (10 \times 4) = 40 + 40 = 80$

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2.  $20 \times 26 = (20 \times 20) + (20 \times 6) = 400 + 120 = 520$

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3.  $20 \times 5 = (10 \times 5) + (10 \times 5) = 50 + 50 = 100$

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4.  $8 \times 22 = (8 \times 20) + (8 \times 2) = 160 + 16 = 176$

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5.  $3 \times 8 = (3 \times 4) + (3 \times 4) = 12 + 12 = 24$

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6.  $7 \times 27 = (7 \times 20) + (7 \times 7) = 140 + 49 = 189$

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7.  $10 \times 8 = (5 \times 8) + (5 \times 8) = 40 + 40 = 80$

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8.  $10 \times 9 = (10 \times 5) + (10 \times 4) = 50 + 40 = 90$

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9.  $10 \times 27 = (10 \times 20) + (10 \times 7) = 200 + 70 = 270$

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10.  $10 \times 4 = (10 \times 2) + (10 \times 2) = 20 + 20 = 40$

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