



Distributive property of multiplication

Grade 5 Multiplication Worksheet

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

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

1) $6 \times 562 =$ _____

2) $5 \times 383 =$ _____

3) $8 \times 95 =$ _____

4) $4 \times 117 =$ _____

5) $4 \times 182 =$ _____

6) $10 \times 89 =$ _____

7) $8 \times 216 =$ _____

8) $5 \times 47 =$ _____

9) $7 \times 831 =$ _____

10) $8 \times 333 =$ _____

11) $10 \times 91 =$ _____

12) $8 \times 213 =$ _____

13) $5 \times 39 =$ _____

14) $9 \times 74 =$ _____

15) $3 \times 368 =$ _____



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

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

1) $6 \times 562 = 6 \times (500 + 60 + 2) = (6 \times 500) + (6 \times 60) + (6 \times 2) = 3,000 + 360 + 12 = 3,372$

2) $5 \times 383 = 5 \times (300 + 80 + 3) = (5 \times 300) + (5 \times 80) + (5 \times 3) = 1,500 + 400 + 15 = 1,915$

3) $8 \times 95 = 8 \times (90 + 5) = (8 \times 90) + (8 \times 5) = 720 + 40 = 760$

4) $4 \times 117 = 4 \times (100 + 10 + 7) = (4 \times 100) + (4 \times 10) + (4 \times 7) = 400 + 40 + 28 = 468$

5) $4 \times 182 = 4 \times (100 + 80 + 2) = (4 \times 100) + (4 \times 80) + (4 \times 2) = 400 + 320 + 8 = 728$

6) $10 \times 89 = 10 \times (80 + 9) = (10 \times 80) + (10 \times 9) = 800 + 90 = 890$

7) $8 \times 216 = 8 \times (200 + 10 + 6) = (8 \times 200) + (8 \times 10) + (8 \times 6) = 1,600 + 80 + 48 = 1,728$

8) $5 \times 47 = 5 \times (40 + 7) = (5 \times 40) + (5 \times 7) = 200 + 35 = 235$

9) $7 \times 831 = 7 \times (800 + 30 + 1) = (7 \times 800) + (7 \times 30) + (7 \times 1) = 5,600 + 210 + 7 = 5,817$

10) $8 \times 333 = 8 \times (300 + 30 + 3) = (8 \times 300) + (8 \times 30) + (8 \times 3) = 2,400 + 240 + 24 = 2,664$

11) $10 \times 91 = 10 \times (90 + 1) = (10 \times 90) + (10 \times 1) = 900 + 10 = 910$

12) $8 \times 213 = 8 \times (200 + 10 + 3) = (8 \times 200) + (8 \times 10) + (8 \times 3) = 1,600 + 80 + 24 = 1,704$

13) $5 \times 39 = 5 \times (30 + 9) = (5 \times 30) + (5 \times 9) = 150 + 45 = 195$

14) $9 \times 74 = 9 \times (70 + 4) = (9 \times 70) + (9 \times 4) = 630 + 36 = 666$

15) $3 \times 368 = 3 \times (300 + 60 + 8) = (3 \times 300) + (3 \times 60) + (3 \times 8) = 900 + 180 + 24 = 1,104$