

Grade 6 Multiplication & GCF/LCM Practice

Multiplication • Grade 6 • Mixed Review • Set A • CCSS 6.NS.4

Name: _____

Date: _____

Solve each multiplication problem and use GCF or LCM where indicated.

1. Find the GCF of 36 and 48, then use the distributive property to rewrite $36 + 48$ as a product:
 $\text{GCF} \times (_ + _) =$

2. What is the LCM of 8 and 12?

3. Use the distributive property: $7 \times (40 + 6) =$

4. Find the GCF of 24 and 60, then rewrite $24 + 60$ using the distributive property: $\text{GCF} \times (_ + _) =$

5. What is the LCM of 9 and 12?

6. Use the distributive property to solve: $8 \times (30 + 7) =$

7. A school orders supplies in boxes of 6 or boxes of 9. What is the least number of supplies that fills both box sizes exactly (LCM of 6 and 9)?

8. Find the GCF of 45 and 75, then rewrite $45 + 75$ using the distributive property: $\text{GCF} \times (_ + _) =$

9. Two friends run laps. One completes a lap every 4 minutes, the other every 6 minutes. After how many minutes will they finish a lap at the same time (LCM of 4 and 6)?

10. Use the distributive property to solve: $12 \times (50 + 9) =$

Answer Key

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1. $12 \times (3 + 4)$

5. 36

9. 12 minutes

2. 24

6. 296

10. 708

3. 322

7. 18 supplies

4. $12 \times (2 + 5)$

8. $15 \times (3 + 5)$