

7th Grade Chapter 1 and 2 Test

October 7, 2025

Instructions: Show all your work clearly. Work in your composition notebook. Good luck!

1. Find the GCF of 12 and 40.
2. Find the LCM of 12 and 40.
3. Find all factors of 36.
4. Find the first 5 multiples of 9.
5. Give the prime factorization of 60.
6. Find the GCF of $2^3 \cdot 3^2 \cdot 5$ and $2^2 \cdot 3^3 \cdot 7$.
7. Evaluate without a calculator:
 - (a) $\sqrt[3]{27}$
 - (b) $\sqrt{81}$
 - (c) $|8 - 12| + 4$
 - (d) $\frac{5}{6} \times \frac{3}{2}$
 - (e) $\frac{5}{6} \div \frac{3}{2}$
 - (f) $2 - (-8)$
 - (g) $2 + (-8)$
 - (h) -2×4
 - (i) $20 \div (-4)$
8. Round 1.789 to the nearest tenth.
9. Round 3,274.5 to the nearest hundred.
10. Extra Credit: Evaluate: $|2 - 3^2| - 4|2 - 3| + 5$