



Math 5 Placement Test (Advanced Learners)

Name: _____ Date: _____

1. Write the number: 5 hundred-thousands, 4 ten-thousands, 3 hundreds, 2 tens, and 7 ones = _____
2. What is $8,472 \times 100$?
3. Which is greater: 6.305 or 6.35?
4. $78,492 + 46,289 =$ _____
5. $500,000 - 247,386 =$ _____
6. Multiply: $368 \times 24 =$ _____
7. Divide: $4,368 \div 12 =$ _____
8. A factory makes 3,426 bottles every day. How many bottles in 15 days?
9. Simplify: $\frac{24}{36} =$ _____
10. Add: $\frac{2}{3} + \frac{2}{5} =$ _____
11. Subtract: $\frac{7}{8} - \frac{3}{4} =$ _____
12. Multiply: $\frac{3}{5} \times 15 =$ _____
13. Divide: $12 \div \frac{1}{6} =$ _____
14. Mia ate $\frac{2}{5}$ of a cake. Tom ate $\frac{2}{5}$ of what was left. How much of the cake did Tom eat?
15. Round 12.486 to the nearest hundredth.

16. Add: $4.26 + 7.8 =$ _____

17. Multiply: $3.4 \times 2.5 =$ _____

18. A rope is 8.75 meters long. If you cut it into 5 equal pieces, how long is each piece?

19. List all factors of 48.

20. What is the least common multiple (LCM) of 6, 8, and 12?

21. Write the next 3 terms in the pattern: 3, 6, 12, 24, _____, _____, _____.

22. A rectangle has length 15 cm and width 8 cm. Find its perimeter and area.

23. Find the volume of a rectangular prism with length 6 cm, width 4 cm, and height 5 cm.

24. On a coordinate plane, plot (3, 2), (3, 6), (7, 6), and (7, 2). What shape is formed?

25. A bag contains 3 red marbles, 4 blue marbles, and 5 green marbles. If you pick one at random, what is the probability it is:

a) red?

b) not green?

■ Placement Guide for Parents

22–25 points ■ – Strong mastery – Ready for Math 6.

15–21 points ■ – Solid understanding – Great fit for Math 5.

0–14 points ■ – Needs support – Consider Math 4 or a 1:1 support session.

■ *Note:* Placement is about confidence and mastery, not being “ahead” or “behind.”

Answer Key

1. 543,027
2. 847,200
3. 6.35
4. 124,781
5. 252,614
6. 8,832
7. 364
8. 51,390
9. $\frac{2}{3}$
10. $\frac{16}{15}$ or $1 \frac{1}{15}$
11. $\frac{1}{8}$
12. 9
13. 72
14. $\frac{6}{25}$
15. 12.49
16. 12.06
17. 8.5
18. 1.75 m
19. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
20. 24
21. 48, 96, 192
22. Perimeter = 46 cm, Area = 120 cm²
23. 120 cm³
24. Rectangle
- 25a. $\frac{1}{4}$, 25b. $\frac{7}{12}$