

Gamma Placement Test **Answer Key**

Multiply.

$$\begin{array}{r}
 1. \quad 85 \\
 \times 26 \\
 \hline
 510 \\
 + 170 \\
 \hline
 2,210
 \end{array}$$

$$\begin{array}{r}
 2. \quad \begin{array}{|c|c|c|c|} \hline & 4 & 2 & 1 \\ \hline \times & & 7 & 3 \\ \hline & 1 & 2 & 6 & 3 \\ + 2 & 9 & 4 & 7 & \\ \hline & 3 & 0 & 7 & 3 & 3 \\ \hline \end{array}
 \end{array}$$

$$\begin{array}{r}
 3. \quad \begin{array}{|c|c|c|c|c|c|} \hline & & & 5 & 0 & 9 \\ \hline & & \times & 6 & 3 & 6 \\ \hline & & & 3 & 0 & 5 & 4 \\ + 3 & 0 & 5 & 4 & & & \\ \hline & 3 & 2 & 3 & , & 7 & 2 & 4 \\ \hline \end{array}
 \end{array}$$

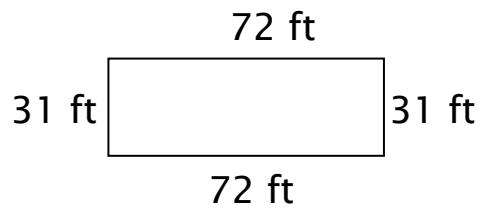
$$\begin{array}{r}
 4. \quad 7,546 \\
 \times \quad 8 \\
 \hline
 60,368
 \end{array}$$

$$\begin{array}{r}
 5. \quad \begin{array}{|c|c|c|c|c|c|} \hline & & 3 & , & 4 & 8 & 2 \\ \hline & & \times & & 5 & 9 \\ \hline & & & 3 & 1 & 3 & 3 & 8 \\ + 1 & 7 & 4 & 1 & 0 & & & \\ \hline & 2 & 0 & 5 & , & 4 & 3 & 8 \\ \hline \end{array}
 \end{array}$$

$$\begin{array}{r}
 6. \quad \begin{array}{|c|c|c|c|c|c|} \hline & & 6 & , & 1 & 8 & 7 \\ \hline & & \times & 4 & 6 & 7 \\ \hline & & & 4 & 3 & 3 & 0 & 9 \\ + 3 & 7 & 1 & 2 & 2 & & & \\ \hline + 2 & 4 & 7 & 4 & 8 & & & \\ \hline & 2 & 8 & 8 & 9 & , & 3 & 2 & 9 \\ \hline \end{array}
 \end{array}$$

Find the area and perimeter.

7. area = 2,232 square feet



8. perimeter = 206 feet

Solve for the unknown.

$$9. \quad 8B = 64$$

$$B = 8$$

$$10. \quad 9Q = 63$$

$$Q = 7$$

$$11. \quad 10X = 100$$

$$X = 10$$

Find all the possible pairs of factors, and tell whether the number is prime or composite.

$$12. \quad 16 \quad \underline{1} \times \underline{16}$$

$$\underline{2} \times \underline{8}$$

$$\underline{4} \times \underline{4}$$

composite

$$13. \quad 7 \quad \underline{1} \times \underline{7}$$

prime

$$14. \quad 9 \quad \underline{1} \times \underline{9}$$

$$\underline{3} \times \underline{3}$$

composite

Write $<$, $>$, or $=$ in the oval.

$$15. \quad 6 \times 2 \quad (=) \quad 3 \times 4$$

$$16. \quad 9 \times 8 \quad (>) \quad 5 \times 12$$

$$17. \quad 7 \times 6 \quad (<) \quad 9 \times 5$$

Add.

$$\begin{array}{r} 18. \quad 92 \\ \quad 21 \\ \quad 48 \\ + 17 \\ \hline 178 \end{array}$$

$$\begin{array}{r} 19. \quad 163 \\ \quad + 54 \\ \hline 217 \end{array}$$

$$\begin{array}{r} 20. \quad 815 \\ \quad + 482 \\ \hline 1,297 \end{array}$$

$$\begin{array}{r} 21. \quad 360 \\ \quad - 37 \\ \hline 323 \end{array}$$

$$\begin{array}{r} 22. \quad 529 \\ \quad - 168 \\ \hline 361 \end{array}$$

$$\begin{array}{r} 23. \quad 402 \\ \quad - 293 \\ \hline 109 \end{array}$$

Fill in the blanks.

24. 6 qt = 12 pt

25. 8 dimes = 80 cents

26. 9 yd = 27 ft

27. 5 Tbsp = 15 tsp

28. 10 nickels = 50 cents

29. 7 gal = 28 qt

30. \$2 = 8 quarters

31. 4 gal = 32 pt

32. 3 lb = 48 oz

33. 6 quarters = 150 cents

34. 2 miles = 10,560 feet

35. 1 ton = 2,000 lb

36. A room measures 21 feet by 38 feet. Round the dimensions to the nearest ten and estimate the area of the room.

800 sq ft

37. Chuck drove 452 miles a day for three days. Round to the nearest hundred and estimate how far he drove in all.

1,500 mi

38. What is 3,495 rounded to the nearest thousand? 3,000

39. Write in standard decimal notation: one million, two hundred seventy-one thousand, twenty-eight.

1,271,028

40. Write in place-value notation: 5,681,900

5,000,000 + 600,000 + 80,000 + 1,000 + 900
