Cumulative Review
for Chapters 6 and 7

Concepts and Skills

Fill in the blanks. (Lessons 6.1 to 6.5)

1. _______ × 8 = 0

2. _______ × 1 = 7

3. 9 sixes = 9 × _______

4. 4 × 7 = ________ sevens

5. 3 × 6 = 6 + 6 + _______

6. 7 × 6 = 6 × _______

7. 9 × _______ = 0

8. 8 + 8 + 8 + 8 + 8 = 5 × _______

9. 5 nines + 3 nines = ________ × 9

10. 9 + 9 + 9 + 9 = _________ nines
Complete each multiplication fact. Then show on the number line. (Lessons 6.1 and 6.4)

11. \(2 \times 4 \times 3 = ?\)

   \[\text{Step 1} \quad \boxed{} \times 4 = \boxed{}\]

   \[\begin{array}{cccccccccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{array}\]

   \[\text{Step 2} \quad \boxed{} \times 3 = \boxed{}\]

   \[\begin{array}{cccccccccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{array}\]

   \[\text{So, } 2 \times 4 \times 3 = \boxed{} \times \boxed{} = \boxed{}\]

12. \(2 \times 4 \times 3 = ?\)

   \[\text{Step 1} \quad \boxed{} \times 3 = \boxed{}\]

   \[\begin{array}{cccccccccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{array}\]

   \[\text{Step 2} \quad 2 \times \boxed{} = \boxed{}\]

   \[\begin{array}{cccccccccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{array}\]

   \[\text{So, } 2 \times 4 \times 3 = \boxed{} \times \boxed{} = \boxed{}\]
Multiply. Use multiplication facts you know to find other multiplication facts. (Lessons 6.3 and 6.5)

13.  
5 × 7 = ________

So, 6 × 7 = ________ groups of 7 + ________ group of 7
= ________ + ________
= ________

14.  
10 × 9 = ________

So, 8 × 9 = ________ groups of 9 − ________ groups of 9
= ________ − ________
= ________

Write two related division sentences. (Lessons 6.3, 6.4, 6.5 and 6.6)

15.  
8 × 4 = ________

________ ÷ ________ = ________

________ ÷ ________ = ________

16.  
________ × ________ = ________

54 ÷ ________ = 9

________ ÷ ________ = ________
Multiply. Fill in the missing numbers. (Lesson 7.1)

17. \[4 \times 9 = \underline{\hspace{2cm}}\]
\[
4 \times 90 = 4 \times \underline{\hspace{2cm}} \text{ tens}
\]
\[= \underline{\hspace{2cm}} \text{ tens}
\]
\[= \underline{\hspace{2cm}}\]

18. \[10 \times 7 = \underline{\hspace{2cm}}\]
\[
10 \times 700 = 10 \times \underline{\hspace{2cm}} \text{ hundreds}
\]
\[= \underline{\hspace{2cm}} \text{ hundreds}
\]
\[= \underline{\hspace{2cm}}\]

Multiply. Use mental math. (Lesson 7.1)

19. \[10 \times 3 = \underline{\hspace{2cm}}\]

20. \[5 \times 10 = \underline{\hspace{2cm}}\]

21. \[20 \times 4 = \underline{\hspace{2cm}}\]

22. \[3 \times 40 = \underline{\hspace{2cm}}\]

23. \[500 \times 2 = \underline{\hspace{2cm}}\]

24. \[4 \times 200 = \underline{\hspace{2cm}}\]

Multiply. Show your work. (Lessons 7.2 and 7.3)

25. \[212 \times 4 = \underline{\hspace{2cm}}\]

26. \[148 \times 5 = \underline{\hspace{2cm}}\]
27. \[ \begin{array}{c}
4 & 3 & 2 \\
\times & 2 \\
\hline
\end{array} \]

28. \[ \begin{array}{c}
2 & 5 & 1 \\
\times & 3 \\
\hline
\end{array} \]

**Problem Solving**

**Solve. Show your work.**

29. Cheryl completes 42 pages of math exercises. There are 4 exercises on each page. How many exercises does she complete?

30. Damien has 48 marbles. He packs all the marbles equally into 8 bags. How many marbles are there in each bag?

31. Mr. Roberts has 63 daisies and some pots. He plants 9 daisies in each pot. How many pots does he use?
32. A farmer packs 49 pounds of grain into 7-pound bags. How many bags does the farmer need?

33. A grocer sells 153 bags of carrots. Each bag has 5 carrots. How many carrots does the grocer sell?

34. Jessie buys 4 cartons of markers. Each carton contains 125 markers. How many markers does she buy?