

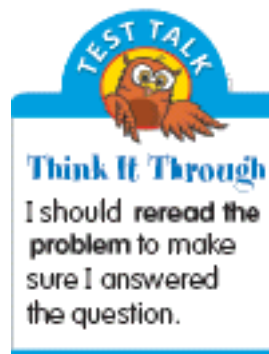
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Chapter 3 Section A Diagnostic Checkpoint

MULTIPLE CHOICE

- A teacher separates 28 students into 4 equal groups to play a game. How many students are in each group? (3-1)
A. 4 students **B.** 7 students **C.** 8 students **D.** 28 students
- What are the next two numbers in the pattern? (3-4)
 1, 2, 4, 5, 7, 8, 10, ____, ____
A. 10, 12 **B.** 11, 12 **C.** 11, 13 **D.** 12, 13



FREE RESPONSE

Find each quotient. Use mental math. (3-2)

- | | | |
|---------------------------|--------------------------|---------------------------|
| 3. $3,600 \div 4$ | 4. $250 \div 5$ | 5. $72,000 \div 9$ |
| 6. $56,000 \div 7$ | 7. $2,100 \div 3$ | 8. $54,000 \div 6$ |

Estimate each quotient. (3-3)

- | | | |
|-------------------------|-----------------------------|---------------------------|
| 9. $38 \div 8$ | 10. $264 \div 6$ | 11. $5,000 \div 7$ |
| 12. $214 \div 4$ | 13. $\$79.25 \div 8$ | 14. $1,875 \div 5$ |

Use the table at the right for 15–16. (3-3)

- About how many miles, on average, were traveled each day on the 4-day trip?
- About how many miles, on average, were traveled each day on the 7-day trip?

Summer Trips	
Days in Trip	Miles Traveled
2	652
4	788
7	2,254
10	2,146

- Look for a pattern in the products below. Then find the missing number. (3-4)

$$9 \times 9 = 81 \qquad 9 \times 99 = 891 \qquad 9 \times 999 = 8,991 \qquad 9 \times 9,999 = 89,991$$

$$9 \times 99,999 = \underline{\hspace{2cm}}$$

Writing in Math

- Write and solve a word problem that could be solved using the number sentence $18 \div 3 = n$. (3-1)
- Explain how patterns and basic facts are used to find $30,000 \div 5$. (3-2)
- Estimate to decide if the quotient of $2,656 \div 3$ is greater than or less than 900. Tell how you decided. (3-3)



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