

**Think It Through**

For multiple-choice items, I should first eliminate any unreasonable answers.

**MULTIPLE CHOICE**

- What is the quotient of  $232 \div 8$ ? (3-6)  
 A. 2 R9      B. 19      C. 28      **D. 29**
- What is the quotient of  $3,048 \div 6$ ? (3-7)  
 A. 58      B. 507 R5      **C. 508**      D. 509

**FREE RESPONSE**

Find each quotient. Check your answers by multiplying.  
 (3-6, 3-7, 3-8, 3-9)

- |                                     |   |   |
|-------------------------------------|---|---|
| 3. $783 \div 9$ <b>87</b>           | 4. $392 \div 7$ <b>56</b>                 | 5. $\$5.60 \div 2$ <b>\\$2.80</b>           |
| 6. $8 \overline{)5,656}$ <b>707</b> | 7. $4 \overline{)1,992}$ <b>498</b>       | 8. $5 \overline{)3,533}$ <b>706 R3</b>      |
| 9. $6 \overline{)290}$ <b>48 R2</b> | 10. $9 \overline{)\$3.06}$ <b>\\$0.34</b> | 11. $8 \overline{)\$91.36}$ <b>\\$11.42</b> |

Find all the factors of each number. Tell whether each number is prime or composite. (3-10, 3-11)

12. 10 **1, 2, 5, 10; composite**; 13. 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48; composite**; 14. 17 **1, 17; prime**; 15. 40 **1, 2, 4, 5, 8, 10, 20, 40; composite**; 16. 53 **1, 53; prime**

For 17–18, use the information at the right. (3-12)

- How many vans are needed to transport everyone to the train at the same time? Explain your answer.  
**See margin.**
- If one adult is willing to drive 4 students, will the number of vans needed change? Explain.  
**See margin.**

**Getting to the Train**

Ten adults and 100 students plan to take the train to a nearby city. To transport everyone to the train, the school will use vans that carry 8 passengers each.

**Writing in Math**

- Money is used to model  $\$648 \div 4$ . If there are six \$100 bills, four \$10 bills, and eight \$1 bills to start, explain how the money can be divided equally. (3-5) **See margin.**
- Without dividing, how would you determine if a number is divisible by 2, 3, 4, 5 and 6? (3-10) **See margin.**
- Write a problem in which the remainder is the answer. (3-11) **See margin.**