



TEST TALK

**Think It Through**

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

**MULTIPLE CHOICE**

- What is the quotient of  $412 \div 54$ ? (4-4)  
 A. 7      B. 7 R14      **C. 7 R34**      D. 8 R20
- What is the quotient of  $972 \div 27$ ? (4-5)  
 A. 30      **B. 36**      C. 40      D. 46

**FREE RESPONSE**

Find each quotient. (4-4)

- $608 \div 19$   
**32**
- $416 \div 53$   
**7 R45**
- $628 \div 32$   
**19 R20**
- $236 \div 42$   
**5 R26**

Find each quotient. (4-5)

- $822 \div 38$   
**21 R24**
- $4,515 \div 21$   
**215**
- $7,918 \div 37$   
**214**
- $9,072 \div 28$   
**324**

Use the most appropriate method to find each quotient. (4-6)

- $7,200 \div 60$   
**120**
- $42,000 \div 700$   
**60**
- $43,680 \div 60$   
**728**
- $21,714 \div 47$   
**462**

Find each quotient. (Hint: each quotient should contain a zero.) (4-7)

- $4,428 \div 41$   
**108**
- $8,526 \div 42$   
**203**
- $8,829 \div 84$   
**105 R9**
- $7,750 \div 25$   
**310**

- Write and answer the hidden question or questions in the problem and then solve the problem. Write your answer in a complete sentence.

Billy Bob wins \$500 in a school raffle. He decides to keep \$120 for himself, give \$60 to charity, and divide the rest equally among his 5 brothers and sisters. How much will each brother or sister receive from Billy Bob? **See margin.**

<b>Total amount</b>	
<b>Billy Bob won:</b>	\$500
<b>Amount Billy</b>	
<b>Bob keeps:</b>	\$120
<b>Amount Billy Bob</b>	
<b>gives to charity:</b>	\$60

**Writing in Math**

- Without dividing, tell whether  $8,422 \div 38$  is more or less than 200? How did you decide on your answer? (4-4) **More than 200; Sample answer: The estimate  $8,000 \div 40 = 200$  is an underestimate because the dividend was decreased and the divisor was increased.**
- Explain how you can decide when a quotient must contain a zero? (4-7) **Sample answer: When you bring down a digit and form a number less than the divisor, you place a zero in the quotient.**
- Why did you need to find and answer the hidden questions in Exercise 19 above? (4-8) **Sample answer: It was necessary to find and subtract how much Billy Bob kept and gave to charity in order to find the correct amount given to the brothers and sisters.**