

Student Activity Book

What Were They Thinking?

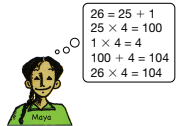
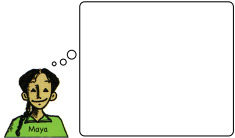
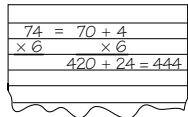
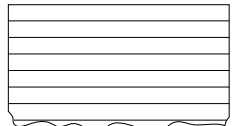
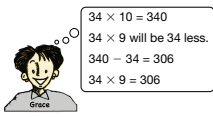
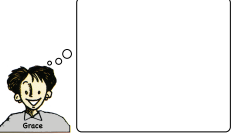
Questions 1–5 (SAB pp. 135–136)

1. $28 = 25 + 3$ $25 \times 3 = 75$
 $3 \times 3 = 9$ $75 + 9 = 84$
 $28 \times 3 = 84$
2. $36 = 30 + 6$
 $\times 8 = \quad \times 8$
 $240 + 48 = 288$
3. $23 \times 10 = 230$
 23×9 will be 23 less
 $230 - 23 = 207$
 $23 \times 9 = 207$
4. Cut 84 in half to get 42.
 Double 5 to get 10.
 $42 \times 10 = 420$
 $5 \times 84 = 420$
5. Strategies will vary. One possible strategy is shown for each.
 - A. 24 is half of 48.
 10 is double 5.
 $10 \times 24 = 240$
 $5 \times 48 = 240$
 - B. $76 = 70 + 6$
 $\times 8 = \quad \times 8$
 $560 + 48 = 608$
 - C. $26 \times 10 = 260$
 26×9 would be 26 less.
 $260 - 26 = 234$
 $26 \times 9 = 234$

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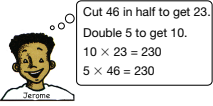

1. Here is how Maya solved 26×4 . Show how Maya would solve 28×3 .


2. Here is how Jacob solved 74×6 . Use the same method to solve 36×8 .


3. Here is how Grace solved 34×9 . Show how Grace would solve 23×9 .



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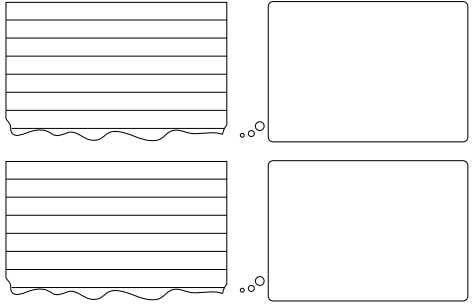
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4. Jerome knows that 5 is half of 10. Here is how he solved 5×46 .


5. Solve the following problems.
 - Solve at least one problem using paper and pencil and at least one problem using mental math.
 - Show your paper-and-pencil solutions on the note pads. Show your mental math solutions in the thought bubbles.

A. 48×5 B. 8×76 C. 26×9



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