

# Problem Solving: Multiple-Step Problems

Faye is putting together packets of colored beads to give as gifts. The chart shows the beads she had on hand yesterday. This morning she bought 4 boxes of yellow beads containing 45 beads each. How many packets of 60 beads can she put together?

Trinket Beads	
Color	Number
Red	195
Blue	170
Green	175

Find the hidden question or questions.

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| 1. How many yellow beads are there? | 1. $45 \times 4 = 180$           |
| 2. How many beads are there in all? | 2. $195 + 170 + 175 + 180 = 720$ |

Solve.

$$720 \div 60 = 12$$

Write the answer in a sentence.

Faye will make 12 packets.

### Look Back and Check

Is the answer reasonable?

Yes. Since  $60 \times 10 = 600$ , the answer is reasonable.

- Faye decides to double the number of yellow beads in the mix. How many packets will she make if she fills each packet with 60 beads? \_\_\_\_\_
- Explain It** Suppose Faye plans to fill packets with 60 beads after deciding not to add any yellow beads to the mix. If you want to find how many packets she can put together, what hidden question or questions would you have to ask? Explain.  
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