

**SKILL 8: Practice****Solve each problem.**

1. The bookstore sells packages of 15 pens each and 12 pencils each. They want the same number of pens and pencils in their next order. Find the smallest number of packages of each they can buy.  
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2. Ms. Ling's chemistry class uses 10-gram weights and 25-gram weights on a balance scale. What is the smallest number of each needed to balance the scale?  
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3. Freida wants to use the same number of black beads and white beads for a project. Black beads come in bags of 20. White beads come in bags of 15. What is the least number of bags of each color she can use?  
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4. All Sport Outdoor Store sells fruit energy bars in 6-bar packages. They also sell nut energy bars in 4-bar packages. If the store wants to order the same number of bars of both kinds, what is the least number of packages of each they can order?  
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5. The traffic signal at 4th and Main turns green every 6 minutes. The signal at 5th and Broadway turns green every 4 minutes. If both turned green at 12:15 P.M., when are the next three times that both will turn green at the same time?  
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6. Boxes that are 10 inches tall are stacked next to boxes that are 12 inches tall. Find the least number of each size box that could be stacked next to each other so that the stacks are the same height.

*Skill 7*

- A two 10-in. and two 12-in.
- B twelve 10-in. and ten 12-in.
- C six 10-in. and five 12-in.
- D five 10-in. and six 12-in.

7. Find the GCF of 14 and 24.

*Skill 6***F** 168**H** 2**G** 3**J** 38