**Factors and Multiples Pretest**

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**Find the GCF of each set of numbers.**

**1.** 15, 40 **2.** 16, 36

**Find the LCM of each set of numbers.**

**3.** 5, 10 **4.** 7,10

**Find each product mentally (distributive property). Show the steps you used.**

**5.** 3 × 78 **6.** 12 × 5

**ANALYZE TABLES A store is organizing toys into bins. The toys must be put into bins so that each bin contains the same number of toys without mixing the toys.**

|  |  |
| --- | --- |
| **Toys to Place in Bins** | |
| **Toy** | **Number of Toys** |
| Anemones | 12 |
| Limpets | 14 |
| Snails | 18 |

**7.** What is the greatest number of toys that can be put in a bin?

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**8.** How many bins are needed for each type of toy?

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**9.** Avery gets newsletters by e-mail. He gets one for sports every 5 days, one for model railroads every 10 days, and one for music every 8 days. If he got all three today, how many more days will it be until he gets all three newsletters on the same day again?

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**10.** Write out the prime factorization of 24.

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**11. Solve.** 1 **+ =**  **12. Solve.** 1 **- =**