K Divisible by 2, 3, or 6?

1. Which of the following numbers are divisible by 2?

   762   1025   8031   4296   111

2. Which numbers above are multiples of 3? Show or tell how you know.

3. Which numbers have 6 as a factor? Show or tell how you know.

L Order of Operations

Irma and Jacob are playing Operation Target with a new rule: making two-digit numbers with the digits is allowed as in Question 1D.

1. They recorded these number sentences using 4, 5, 6, and 8. Find the numbers they made.

   A. $4 + 6 + 5 \times 8 =$

   B. $8 \times (6 + 4) \times 5 =$

   C. $6 - 8 \div 4 + 5 =$

   D. $5 + 48 \div 6 =$

2. Keeping the new rule in mind, what is the largest whole number you can make with 4, 5, 6, 8 and one or more of the four operations $(+, -, \times, \div)$?

3. What is the smallest whole number you can make?