Multiplicative Thinking Practice Questions

1. Estimate the answer to $58790 \div 29$, explaining your reasoning.

2. How would you demonstrate the multiplication $3 \times 4$ using arrays model. Use this model to show the commutative property of multiplication.

3. Solve $132 \times 15$ using two different methods. These two methods must be distinctly different.

4. Solve $2484 \div 12$ using two different methods.
5. Emily has a faulty calculator. The number 6 button does not work on her calculator. Show at least two methods Emily can use the calculator to solve 351 X 6.

6. Fill in the missing numbers in the following split method multiplication to solve the problem 536 X 3

   = (----- X 3) + (----- X 3) + (----- X 3) = --------

7. If you know that 132 × 4 is 528,
   what would be answer to 528 ÷ 4?
   What would be answer to 528 ÷ 2?
   What would be answer to 528 ÷ 8?
   Explain how you arrived at your answers.

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8. Division can be represented as a partition or a quotition concept. Solve the following problem and explain which concept of division did you use?

Peter needs to distribute 1200 pamphlets in 40 classrooms in his school. How many pamphlets should he send to each classroom? Explain how you arrived at your answer.

Solve the problem and name the division concept you used.