Name

Commutative Property Lesson

Solve this problem using three different methods. Rewrite the problem each time.

8	x 4	x 11	=	
	_ x	x	_ =	
	_ X	x	_ =	

Step 1) Let us begin by looking breaking down this problem and identifying all the part of it.



As we can see here, we have 3 factors, and we are working on determining the product which is the value that we get by multiplying all of the factors together. The only operation involved here is multiplication. The commutative property of multiplication tells us that regardless of how we order the factors, the product will always be the same. So, we can rewrite this problem by reordering the factors.

Step 2) Rewrite problem twice. We just need to arrange the factors different twice.

8 x 4 x 11 = ____

 $4 \times 11 \times 8 =$ (We just pushed everything to the left.)

11 x 8 x 4 = ____ (We followed the same shuffle.)

Step 3) Solve for the product. The nice thing is that we only need to solve this once, because the commutative property of multiplication tells that the product will always be the same. Why not solve the first one? We can do it in parts:



8 x 4 x 11 = 352
4 x 11 x 8 = 352
11 x 8 x 4 = 352

© www.MathWorksheetsLand.com