

Division with Distributive Property

Example 1

1. Problem $85/5$
2. Break 85 into easy numbers to do mentally that 5 will go into.

$$85 = 50 + 35$$

3. Take both addends and divide them by 5

$$(50/5) + (35/5) =$$

4. Add the two smaller quotients together to get your final answer

$$10 + 7 = 17 \quad \text{so } 85/5 = 17$$

Example 2

1. Problem $90/6$
2. Break 90 into easy numbers to do mentally that 6 will go into.

$$90 = 60 + 30$$

3. Take both addends and divide them by 6

$$(60/6) + (30/6) =$$

4. Add the two smaller quotients together to get your final answer

$$10 + 5 = 15 \quad \text{so } 90/6 = 15$$

