Chapter 11: Calculation Rules

Year 5

Worksheet A: Use the Laws of Arithmetic to Simplify Calculations
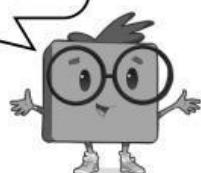
1. Use the commutative law of addition to help you add.

    (a) 75 + 43 + 25 = 75 + 25 + 43

         = 100 + 43

         = _____

    > Swap the positions of 43 and 25.
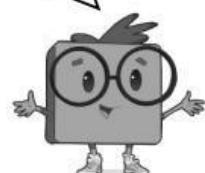   > 75 + 25 = 100
    > It is easier to add 100 and 43.

    (b) 45 + 67 + 55 = 45 + _____ + 67

         = _____ + 67

         = _____

    (c) 185 + 127 + 15 = 185 + _____ + _____

         = _____ + _____

         = _____

    > Swap the order of the numbers to make 200.

2. Use the associative law of addition to help you add.

    (a) 149 + 150 + 150 = 149 + _____

         = _____

    > The associative law says that you can add 150 and 150 first. It is easier to add 149 and 300.

    (b) 288 + 140 + 160 = 288 + _____

         = _____

    (c) 199 + 185 + 15 = _____ + _____

         = _____
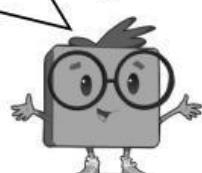
3. Use the commutative law or associative law to help you add.

    (a) 192 + 120 + 80

    (b) 285 + 270 + 15