

## Chapter 8: Understand Division

**Dear Family,**

During the next few weeks, our math class will be learning about division. We will learn how to represent division as the number of equal groups or the number in each equal group. We will learn how division is related to subtraction, and how multiplication and division are inverse operations.

You can expect to see homework that provides practice with division.

### **Vocabulary**

**Divide:** To separate into equal groups

### **Dividend, Divisor, Quotient**

The parts of a division problem. There are two ways to record division (check next page).

### **Inverse Operations:**

Opposite operations, or operations that undo one another.

**Related Facts:** A set of related multiplication and division equations.

Examples:

$$4 \times 7 = 28 \qquad 28 \div 4 = 7$$

$$7 \times 4 = 28 \qquad 28 \div 7 = 4$$

- Homework due date: **Sunday, Jan. 19th**
- Division Quiz: **Tuesday, Jan. 14th**
- Chapter 8 Test: **Tuesday, Jan. 21st**
- Feel free to contact me with any questions at [diana.charaf@archimedean.org](mailto:diana.charaf@archimedean.org)

**Complete homework daily based on the schedule provided below:**

**Monday 01/13**

**Tuesday 01/14**

**Wednesday 01/15**

**Thursday 01/16**

**Friday 01/17**

**8RW, R8J** on IXL

**W6C, XSK** on IXL

**67L, F6C** on IXL

**FYZ, ECS** on IXL

No HW



# Division terms

Every division problem has a dividend, a divisor, and a quotient.

In a division problem, the **dividend** is the number that is being divided. The **divisor** is the number you are dividing by. The **quotient** is the result of the division.

$$\begin{array}{cc} \text{dividend} & \text{divisor} \\ \downarrow & \downarrow \\ 12 \div 4 = 3 & \leftarrow \text{quotient} \end{array}$$

Division problems can be written in different ways. The example below shows the dividend, divisor, and quotient when the number sentence is written differently.

$$\begin{array}{c} \text{divisor} \rightarrow 4 \overline{)12} \begin{array}{l} 3 \leftarrow \text{quotient} \\ 12 \leftarrow \text{dividend} \end{array} \end{array}$$



## Tip

Having a hard time remembering which number is the dividend and which number is the divisor? Remember that the divisor is the "divider", or the number that does the dividing.