

## Grade 4

$$22\frac{1}{2}$$

### Module 10-Division with 2 Digit Divisors & Add and Subtract Fractions and Mixed Numbers

Your child is learning about adding and subtracting fractions. This game will help your child to mentally add fractions and mixed numbers.

#### Materials:

Value Cards, Standard Game (cut out)

Value Cards, Challenge Game (cut out)

Paper and pencil

#### Object of the Game

To be the first player to arrive at the sum of  $22\frac{1}{2}$

#### Directions:

1. Players decide whether they will play the "Standard Game" or the "Challenge Game".
2. Player 1 creates a mixed number by choosing one whole number from the Value Card and adding this number to one fraction from the Value Card. For example, Player 1 may choose 4

- (whole number) and  $\frac{1}{4}$  (fraction), giving him/her a total  $4\frac{1}{4}$ . This number is recorded on the scratch paper.
3. Player 2 follows step 2 above.
  4. Player 1 then creates a second mixed number to add to the first number. For example, Player 1 may choose 3 and  $\frac{1}{2}$ . When added to the  $4\frac{1}{4}$ , he/she now has  $7\frac{3}{4}$ . This is added on the scratch paper.
  5. Player 2 follows step 4 above.
  6. Players alternate turns adding new mixed numbers. A player may reuse any value on the Value Cards.
  7. Play continues until one player has a total of exactly  $22\frac{1}{2}$ .

### **Alternatives**

Play until one player has a total greater than 40.

Select a new total for each game.

Use the "Challenge Game" Value Cards for a greater challenge

### **Question to ask your child while playing:**

How much more do you need to get to the next whole number?

