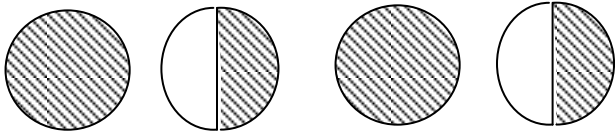


**WEEK 7 AUGUST P.4 WORK**

**LESSON: I**

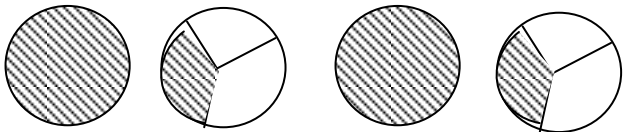
**TOPIC : FRACTIONS**  
**SUBTOPIC : Mixed fractions as improper fractions**

**CONTENT :** Example 1:



$$1\frac{1}{2} = 1 + \frac{1}{2} = \frac{2}{2} + \frac{1}{2} = \frac{3}{2}$$

Example II



$$1\frac{1}{3} = 1 + \frac{1}{3} = \frac{3}{3} + \frac{1}{3} = \frac{4}{3}$$

**ACTIVITY:**

**Change the following mixed fractions to improper fractions?**

1.  $1\frac{1}{2}$     2.  $2\frac{1}{4}$     3.  $3\frac{1}{5}$     4.  $5\frac{2}{3}$     5.  $4\frac{3}{5}$   
 6.  $1\frac{7}{9}$     7.  $6\frac{3}{5}$     8.  $1\frac{9}{10}$     9.  $2\frac{1}{3}$     10.  $9\frac{1}{2}$

## LESSON II

**TOPIC : FRACTIONS**

**SUBTOPIC : Changing improper fractions to mixed fractions.**

**CONTENT :** Example 1: Change  $\frac{5}{2}$  to a mixed fraction.

### Working 1

$$\begin{aligned}\frac{5}{2} & \text{ is } \frac{2}{2} + \frac{2}{2} + \frac{1}{2} \\ & = 1 + 1 + \frac{1}{2} \\ & = 2\frac{1}{2}\end{aligned}$$

### Working 2

$$\begin{aligned}\frac{5}{2} & = 2\overline{)5} \\ & \quad \underline{-4} \\ & \quad \quad 1\end{aligned}$$
$$= 2\frac{1}{2}$$

### **ACTIVITY:**

**Change the following improper fractions to mixed fractions?**

1.  $\frac{3}{2}$     2.  $\frac{5}{4}$     3.  $\frac{6}{4}$     4.  $\frac{11}{3}$     5.  $\frac{15}{4}$

1.  $\frac{23}{5}$     7.  $\frac{14}{3}$     8.  $\frac{10}{3}$     9.  $\frac{20}{3}$     10.  $\frac{17}{4}$

### LESSON III

**TOPIC : FRACTIONS**

**SUBTOPIC : Addition of mixed fractions with the same denominators.**

**CONTENT :** Add:  $1\frac{1}{3} + 4\frac{1}{3}$  to a mixed fraction.

$$\begin{aligned}\text{Re-arrange: } &= (1 + \frac{1}{3}) + (4 + \frac{1}{3}) \\ &= 1 + 4 + \frac{1}{3} + \frac{1}{3} \\ &= 5 + \frac{2}{3} \\ &= 5\frac{2}{3}\end{aligned}$$

#### ACTIVITY:

**Add the following mixed fractions?**

1.  $\frac{1}{2} + 1\frac{1}{2}$

2.  $\frac{1}{3} + 2\frac{1}{3}$

3.  $\frac{1}{4} + 1\frac{1}{4}$

4.  $2\frac{1}{5} + 1\frac{1}{5}$

5.  $2\frac{1}{3} + 2\frac{2}{3}$

6.  $1\frac{1}{6} + 3\frac{1}{6}$

7.  $2\frac{1}{2} + 2\frac{1}{2}$

## LESSON IV

**TOPIC : FRACTIONS**

**SUBTOPIC : Addition of mixed fractions with the same denominators in word problem.**

**CONTENT :** James bought  $6\frac{1}{4}$  kg of meat on Monday and  $7\frac{3}{4}$  kg on Tuesday. How many kilograms did he buy altogether?

$$6\frac{1}{4}\text{ kg} + 7\frac{3}{4}\text{ kg.}$$

$$\text{Rearrange} = (6 + \frac{1}{4}) + (7 + \frac{3}{4})$$

$$6 + 7 + \frac{1}{4} + \frac{3}{4}$$

$$13 + \frac{4}{4}$$

$$13 + 1$$

$$= \underline{14\text{kg.}}$$

### **ACTIVITY:**

1. A boy filled  $1\frac{1}{2}$  jerry cans with water in the morning and again  $1\frac{1}{2}$  in the afternoon. How many jerry cans did he fill with water that day?
2. A worker painted  $1\frac{1}{6}$  walls on Monday and  $1\frac{2}{6}$  on Tuesday. What did he paint in the 2 days?

3. Mary had  $1\frac{1}{4}$  sweets and Jane had  $2\frac{3}{4}$  sweets. How many sweets did the two girls have?
4. Find the sum of  $2\frac{1}{5}$  and  $1\frac{1}{2}$
5. A farmer spends  $3\frac{5}{12}$  hours on his crops and  $6\frac{7}{12}$  hours on his animals each day. How many hours does he spend on his farm?

## LESSON V

**TOPIC : FRACTIONS**

**SUBTOPIC : Subtraction of mixed fractions with the same denominators**

**CONTENT :** Subtract  $4\frac{3}{5} - 2\frac{1}{5}$ .

$$\begin{aligned}\text{Re-arrange} &= (4 + \frac{3}{5}) - (2 + \frac{1}{5}) \\ &= (4 - 2) + (\frac{3}{5} - \frac{1}{5}) \\ &= 2 + \frac{2}{5} \\ &= 2\frac{2}{5}\end{aligned}$$

### **ACTIVITY:**

**Subtract the following mixed fractions**

**1.**  $4\frac{5}{6} - 1\frac{2}{6}$

**2.**  $3\frac{4}{5} - 1\frac{1}{5}$

**3.**  $2\frac{1}{2} - 1\frac{1}{2}$

**4.**  $3\frac{3}{4} - 1\frac{1}{4}$

**5.**  $2\frac{3}{8} - 1\frac{1}{8}$

**6.**  $4\frac{7}{10} - 4\frac{1}{10}$

