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P.6 MATHEMATICS

LESSON WEEK SEVEN

TOPIC: FRACTIONS

SUB TOPIC: ADDITION AND SUBTRACTION OF DECIMALS

Examples

2. Alex had 7.05 meters and Kato had 17.13 meters of string. Find the total length of their string. Find the total length of their strings.

3. Subtract 9.5 – 3.6

4. Subtract 0.9 from 100

ACTIVITY:

Work out the following

$$1.6.4 + 9.$$

$$2.166.66 + 0.4$$

$$3.5.55 + 555$$

$$5.100 - 0.101$$

$$6.30 - 0.3$$

LESSON TWO

SUBTOPIC

: MULTIPLICATION OF DECIMALS

CONTENT:

1. Multiply: 0.3 x 6

$$6 \times 3 = 18$$

$$6 \times 0 = 0 + 1 = 1$$

2. Multiply: 4.5 x 2.6

$$\frac{45}{10}$$
 x $\frac{26}{10}$

3. Find the product of 2.34 and 1.2

$$\frac{x}{4^{1}68}$$

NOTE: After multiplying and adding, we consider the decimal places altogether.

ACTIVITY:

Work out the following

LESSON THREE

SUBTOPIC: DIVISION OF DECIMALS

1. Work out: 4.5 ÷ 2.5

$$\frac{45}{10} \div \frac{25}{10}$$

$$\frac{45}{10}$$
 x $\frac{10}{25}$ ₅

$$\frac{^{9}45 \times 2}{10 \times 5_{1}}$$

2. Divide 0.5 by 10

$$0.5 \div 10$$

ACTIVITY

Work out the following

a)
$$12 \div 0.2$$

b)
$$0.8 \div 2$$

c)
$$8.5 \div 0.5$$

d)
$$100 \div 0.1$$

LESSON FOUR:

TOPIC : FRACTIONS

SUBTOPIC: MULTIPLICATION AND DIVISION OF DECIMALS

CONTENT:

$$\begin{bmatrix} \frac{12}{10} \times \frac{24}{10} \\ \end{bmatrix} \div \frac{3}{10}$$

$$\frac{12}{10} \times \frac{24}{9} \times \frac{10}{3}$$

$$\begin{bmatrix} \underline{18} \times \underline{72} \\ 10 \end{bmatrix} \div \begin{bmatrix} \underline{2} \times \underline{3} \\ \underline{10} & \underline{100} \end{bmatrix}$$

$$\frac{18^{9-3} \times 72 \times 10 \times 100}{10 \quad 10 \quad 2_1 \quad -3} = \frac{3 \times 72 \times 10}{1 \times 1 \times 1 \times 1}$$

= 2160

ACTIVITY

Work out the following:

LESSON FIVE

SUB TOPIC: ORDERING DECIMALS

CONTENT:

- (i) Ascending order
- (ii) Descending order

Examples:

1. Arrange 0.36, 0.054, 0.07 and 0.8 in descending order. Express decimals as fractions

$$0.36 = 36$$
 100

$$0.054 = \underline{54}$$
 1000

$$0.07 = \frac{7}{100}$$

$$0.8 = 8 \\ 10$$

Find the LCD which is 1000.

ACTIVITY:

Arrange the decimals as instructed in the brackets.

- 1. 0.22, 0.2, 1.2 (from biggest)
- 2. 0.1, 0.3, 0.33 (from smallest)
- 3. 2.2, 0.22, 0.02 (from biggest)
- 4. 1.05, 0.15, 1.5. (From smallest.)
- 5. 0.08, 0.8, 0.34. (from biggest