Chapter# 5: Decimals

Definitions + Formulas + Objective

Pg: 77. Defines terminating and non – terminating fractions

Q; Types of non – terminating decimals

   i.   Recurring decimals

   ii.   mixed recurring decimals

Define: (Recurring decimal and mixed recurring decimals)

For objective

teacher makes MCQ from Pg: 75. Let's learn

From Pg: 77

Pg: 82 (Teacher makes MCQ from Let's learn)

Pg: 89 (Teacher make MCQ from the box)

Pg: 76. Defines (like and unlike decimal)

Pg: 76 Can you Guess.

No

Work it out

   1. (a) (d) are like fraction

        (c) (d) are unlike fractions

Pg: 81 On your own 5.1

Question 1 and 2 are solved by concept base on the like decimal and terminating and non – terminating decimal concept.

3. Convert fractions to decimal fractions:

$\frac{2}{5} = 0.5$

it is terminating decimal fraction all part of this question from a to f are solved by same method.

4. Convert decimal fractions to common fractions

$\frac{4.67}{100} = 467$

Note: all the questions from a to f are solved by same method.

Pg: 80

Q1: is solved by the same method as the Q3 on Pg: 81

Pg: 81. work it out.

Q1 & 2 is solved by same method as Q4 on Pg: 81

Pg: 82. Rounding of decimal.

Note: (teachers make MCQ from this point)

Pg: 83. work it out!

Round off to nearest ones

(a) $6.9 \approx 7$

Note: all the questions from a to e are solved by the same method.

Pg: 84. Work it out

Round off to nearest thousands

(b) $280.1110 \approx 280.111$

Note: all the questions from a to e are solved by the same method.

Round off to the nearest hundreds

(a) $10.236 \approx 10.24$

Note: all the questions from a to e are solved by the same method.

work it out!

Round off to the nearest tenths

(a) $5.61 \approx 5.6$

Note: (all the questions from a to e) are solved by same method.

Pg: 86

Solve

$= 37.89 + 71.41$

$= 109.3$

it question from (a to h) are solved by same method.

Pg: 88

work it out

it is solved by same method as questions on Pg; 86

5.3

1. Solve these

Questions from (a to h) are solved by same method as questions of Pg: 86 & 88

Pg: 98

5.4

$34.7 \times 3 = 104.1$

Note all the questions of this part is solved by same method

   2. Divide

     $0.25 \div 4$

     $= 0.0625$

Note: All the questions from (a to h) are solved by same method.

Pg: 97

work it out!

all the questions from (a to d) are solved by same method

Q: 2 on Pg: 98

Pg: 98

work it out 5.5

   a. $7.3 - \{0.4 + (0.63 - 0.36)\}$

   $= 7.3 - \{0.4 + 0.27\}$

   $= 7.3 - \{0.67\}$

= 7.3 – 0.67

= 6.63

Note: all the questions of this part from (a to e) are solved by same method use BODMAS Rule.