Practice Question paper – Maths – first unit exam – June 2020

20 questions – 40 minutes

1) Simplify the following
   (3.456 + 2.334) - 2.002

2) If a number x is multiplied by another number that is less than 1, the product will be more than x or less than x. Demonstrate this using an example.

3) A rectangular sheet of paper is 12 ½ cm long and 10 2/3 cm wide. Find its perimeter.

4) Salil wants to put a picture in a frame. The picture is 7 3/5 cm wide. To fit in the frame the picture cannot be more than 7 3/10 cm wide. How much should the picture be trimmed?

5) In a class of 40 students, 1/5 of the total number of students like to study English, 2/5 of the total number like to study Mathematics and the remaining students like to study Science.
   (i) How many students like to study English?
   (ii) How many students like to study Mathematics?
   (iii) What fraction of the total number of students like to study Science?

6) Multiply and reduce to lowest form and convert into a mixed fraction:
   13 x 1/3
   15 x 3/5

7) Multiply the following fractions:
   3 4/7 and 3/5
   5/6 and 2 3/7

8) Saili plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is ¾ m. Find the distance between the first and the last sapling.

9) Divide the following fractions:

   1/3 by 6/5

   2 1/5 by 1 1/5

   4 3/7 by 7

10) Find:
   101.01 x 0.01

   1.07 x 0.02

   43.07 x 0.001

11) 43.15 divide by 5
12) 82.44 divide by 6
13) 126.35 divide by 7
14) A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol?

15) Michael finished colouring a picture in 7/12 hour. Vaibhav finished colouring the same picture in ¾ hour. Who worked longer? By what fraction was it longer?

16)

1. Which of the drawings (a) to (d) show :

(i) $2\times\frac{1}{5}$ (ii) $2\times\frac{1}{2}$ (iii) $3\times\frac{2}{3}$ (iv) $3\times\frac{1}{4}$

(a) 

(b) 

(c) 

(d) 

17) Vidya and Pratap went for a picnic. Their mother gave them a water bottle that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed the remaining water.

(i) How much water did Vidya drink?

(ii) What fraction of the total quantity of water did Pratap drink?

18) When two proper fractions are multiplied, the product is _____than either of the original fractions. Demonstrate this using two examples.

19) The product of two improper fractions is _____ than each of the original fractions

20) To divide a decimal number by 10, 100 or 1000, we need to shift the _____ to the _____ by _____, _____ and _____ places, respectively.