

## 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  $12 \frac{1}{2}$  cm long and  $10 \frac{2}{3}$  cm wide. Find its perimeter.
  
- 4) Salil wants to put a picture in a frame. The picture is  $7 \frac{3}{5}$  cm wide. To fit in the frame the picture cannot be more than  $7 \frac{3}{10}$  cm wide. How much should the picture be trimmed?
  
- 5) In a class of 40 students,  $\frac{1}{5}$  of the total number of students like to study English,  $\frac{2}{5}$  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:  
 $13 \times \frac{1}{3}$   
 $15 \times \frac{3}{5}$
  
- 7) Multiply the following fractions:  
 $3 \frac{4}{7}$  and  $\frac{3}{5}$   
 $\frac{5}{6}$  and  $2 \frac{3}{7}$

8) Saili plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is  $\frac{3}{4}$  m. Find the distance between the first and the last sapling.

9) Divide the following fractions:

$$\frac{1}{3} \text{ by } \frac{6}{5}$$

$$2 \frac{1}{5} \text{ by } 1 \frac{1}{5}$$

$$4 \frac{3}{7} \text{ by } 7$$

10) Find:

$$101.01 \times 0.01$$

$$1.07 \times 0.02$$

$$43.07 \times 0.001$$

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  $\frac{7}{12}$  hour. Vaibhav finished colouring the same picture in  $\frac{3}{4}$  hour. Who worked longer?  
By what fraction was it longer?

16)

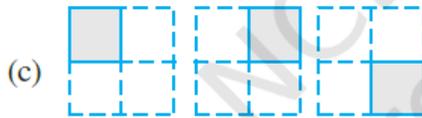
1. Which of the drawings (a) to (d) show :

(i)  $2 \times \frac{1}{5}$

(ii)  $2 \times \frac{1}{2}$

(iii)  $3 \times \frac{2}{3}$

(iv)  $3 \times \frac{1}{4}$



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.

