

INTERNATIONAL INDIAN SCHOOL BURAI DAH

Worksheet for the Academic Year 2023-24

CLASS: VII SUBJECT: MATHEMATICS DATE: 29-05-2023

LESSON:02 - FRACTIONS & DECIMALS

- Write 3 equivalent fractions for  $\frac{6}{7}$
- Find which is greater?  
 $\frac{1}{5}$  of  $\frac{3}{4}$  OR  $\frac{1}{8}$  of  $\frac{7}{5}$
- Solve i)  $\frac{2}{5} + \frac{3}{10}$  ii)  $1 - \frac{13}{15}$  iii)  $4 - \frac{4}{9}$  iv)  $9\frac{1}{4} - 5\frac{3}{8}$
- Find a)  $18 \div \frac{2}{3}$  b)  $\frac{4}{5} \div 2$  c)  $\frac{7}{11} \div \frac{35}{22}$  d)  $4\frac{1}{5} \div \frac{7}{15}$
- Find a)  $0.09 \times 1.19$  b)  $0.372 \times 100$  c)  $101.27 \times 3$   
d)  $417.8 \div 100$  e)  $0.72 \div 9$  f)  $142.1 \div 0.07$
- Find a)  $\frac{4}{5} \times 3\frac{1}{7}$  b)  $7\frac{2}{5} \times 4\frac{1}{4}$  c)  $\frac{3}{5}$  of 125
- The length of the rectangle is 9.2cm and its breadth is 6cm. Find the area of the rectangle
- There are 48 balls in a bag.  $\frac{1}{3}$  of them are red in color.  $\frac{1}{4}$  of them are blue in color,  $\frac{1}{6}$  of them are green in color and the remaining are white in color. Find the number of balls of each color.
- The cost of a water bottle is ₹32.75. Find the cost of  
a) one dozen bottle b) 100 bottles
- The weight of 6 sweet boxes is 4.32 kg. Find the weight of one sweet box.
- The cost of  $5\frac{1}{2}$ m of cloth is ₹880. Then find the cost of 1m of cloth?
- What should be added to 6.55 to get 10?
- The perimeter of a square is 70.4 cm. Find the length of one side of the square

**Answers:**

- 1)  $\frac{12}{14}, \frac{18}{21}, \frac{24}{28}$                       2)  $\frac{1}{8}$  of  $\frac{7}{5}$
- 3) i)  $\frac{7}{10}$                       ii)  $\frac{2}{15}$                       iii)  $3\frac{5}{9}$                       iv)  $3\frac{7}{8}$
- 4) a) 27                      b)  $\frac{2}{5}$                       c)  $\frac{14}{35}$                       d) 9
- 5) a) 0.1071                      b) 37.2                      c) 303.81                      d) 4.178
- e) 0.08                      f) 2030
- 6) a)  $2\frac{18}{35}$                       b)  $31\frac{9}{20}$                       c) 75
- 7) 55.2sq.cm
- 8) Red-16, Blue-12, Green-8, White-12
- 9) a. ₹393                      b. ₹3275                      10) 0.72kg                      11) ₹160
- 12) 3.45                      13) 17.6cm

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