

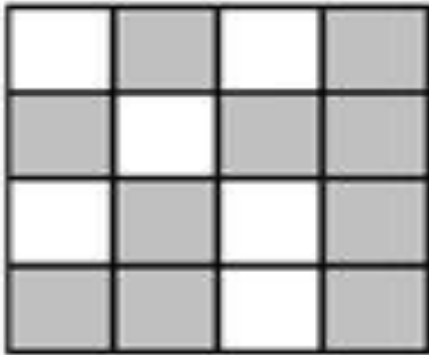
INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2023-24

CLASS : 6 SUBJECT : MATHEMATICS

LESSON – 7 : Fractions

1. Represent the following fractions on a number line.  $\frac{1}{7}, \frac{4}{7}, \frac{6}{7}, \frac{7}{7}$
2. Which among the following is a smaller fraction?  
(a)  $\frac{4}{5}$  (b)  $\frac{5}{3}$  (c)  $\frac{5}{6}$  (d)  $\frac{5}{2}$
3. Express the following as mixed fraction:  $\frac{34}{5}, \frac{23}{4}, \frac{79}{12}$
4. Express the following as improper fraction:  $6\frac{1}{4}, 9\frac{1}{5}, 21\frac{4}{7}$
5. Find the equivalent fraction of  $\frac{24}{72}$  with
  - a) Numerator = 48
  - b) Denominator = 6
6. What fraction of an hour is 45 minutes?
7. Write the fraction representing the shaded region in the given square.



8. Check Whether the following pairs of fractions are equivalent or not?
  - a)  $\frac{6}{7}$  and  $\frac{28}{49}$
  - b)  $\frac{12}{30}$  and  $\frac{24}{60}$
9. Arrange the following fractions in ascending order  
 $\frac{2}{5}, \frac{7}{9}, \frac{5}{6}, \frac{3}{4}$
10. Solve the following:
  - a)  $\frac{1}{8} + \frac{4}{11}$
  - b)  $1 - \frac{3}{4}$
  - c)  $\frac{8}{9} - \frac{4}{9}$
  - d)  $\frac{1}{5} + \frac{2}{3} + \frac{5}{6}$
  - e)  $\frac{15}{17} - \frac{4}{17}$
  - f)  $\frac{3}{5} + \frac{1}{5}$
  - g)  $11\frac{1}{2} - 5\frac{1}{4}$
11. Sudha used  $\frac{4}{5}$  m of lace to stitch around a handkerchief and  $1\frac{1}{2}$  m of lace for her dupatta.  
Find the total length of the lace used.
12. From a rope of length  $\frac{17}{20}$  m,  $\frac{2}{5}$  m of rope is cut. Find the length of the remaining piece of the rope.
13. Reduce the following fractions into simplest forms:  $\frac{36}{180}, \frac{63}{90}$

**Answers**

- 2) find lcm of all fractions and solve. answer is  $\frac{4}{5}$
- 3) a)  $6\frac{4}{5}$  b)  $5\frac{3}{4}$  c)  $6\frac{7}{12}$
- 4)  $25\frac{4}{4}, 46\frac{5}{5}, 151\frac{7}{7}$
- 5) a)  $48/144$  b)  $2/6$
- 6)  $3/4$
- 7)  $10/16 = 5/8$

8) a-no, b-yes

9)  $2/5, 3/4, 7/9, 5/6$

10) a)  $43/88$  b)  $1/4$  c)  $4/9$  d)  $51/30$  e)  $9/17$  f)  $4/5$  g)  $25/4$

11)  $23/10$

12)  $9/20$

13)  $7/10$