

# Assignment for Fractions -2

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## Question 1

Show the following on Number line

a)  $\frac{1}{3}$

b)  $\frac{2}{7}$

c)  $\frac{4}{5}$

d)  $1\frac{2}{6}$

## Question 2

Write the natural numbers from 2 to 14. What fraction of them are prime numbers?

## Question 3

Give true and false about the statements

(a)  $\frac{1}{3} > \frac{1}{10}$

(b)  $\frac{4}{6} > \frac{5}{6}$

(c)  $\frac{3}{6} < \frac{1}{3}$

(d)  $\frac{1}{3} > \frac{5}{6}$

(e)  $\frac{4}{6} > \frac{1}{5}$

(f)  $\frac{3}{5} > \frac{2}{4}$

(g)  $\frac{22}{121} = \frac{2}{11}$

(h)  $\frac{100}{480}$  and  $\frac{5}{24}$  are equivalent fraction

(i)  $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

(j)  $\frac{11}{5}$  is a proper fraction

k)  $1/5$  and  $4/5$  are like fractions

l)  $2/5$  is a improper fraction

#### Question 4

Express each of the following as improper fraction

(a)  $1\frac{1}{6}$

(b)  $2\frac{1}{13}$

(c)  $100\frac{5}{7}$

(d)  $9\frac{5}{8}$

(e)  $6\frac{1}{13}$

#### Question 5

Find the following

a)  $1/9 + 2/9 + 3/9$

b)  $21/11 - 10/12$

c)  $1/2 + 17/3$

d)  $21/77 - 11/77$

e)  $2/4 - 1/3$

f)  $1 + 1/3 + 1/2$

h)  $2/4 + 1/5$

#### Question 6

Find the following

- a) Equivalent fraction of  $\frac{2}{3}$  with denominator 36
- b) Equivalent fraction of  $\frac{2}{7}$  with denominator 14
- c) Equivalent fraction of  $\frac{1}{8}$  with Numerator 5
- d) Arrange in ascending order  $\frac{1}{3}$  ,  $\frac{6}{9}$ ,  $\frac{5}{3}$ ,  $\frac{11}{3}$ , 1
- e) Arrange in ascending order  $\frac{1}{8}$  ,  $\frac{6}{9}$ ,  $\frac{1}{3}$ ,  $\frac{2}{4}$ , 1
- f) Arrange in descending order  $\frac{1}{2}$  ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ , 1
- g) Arrange in descending order  $\frac{1}{2}$  ,  $\frac{1}{4}$ ,  $\frac{1}{8}$ ,  $\frac{1}{16}$ , 1

### Question 7

Reduce the fraction to simplest form

- a)  $\frac{120}{800}$
- b)  $\frac{14}{196}$
- c)  $\frac{16}{256}$
- d)  $\frac{21}{441}$
- e)  $\frac{500}{4800}$
- f)  $\frac{108}{256}$

### Answer

**2)  $\frac{6}{3}$**

**3)**

- a) True
- b) False
- c) false
- d) false

- e) True
- f) True
- g) True
- h) True
- i) True
- j) False
- k) True
- l) false

- 4)
- a)  $7/6$
  - b)  $27/13$
  - c)  $705/7$
  - d)  $77/8$
  - e)  $79/13$

- 5)
- a)  $2/3$
  - b)  $71/61$
  - c)  $37/6$
  - d)  $10/77$
  - e)  $1/6$
  - f)  $7/10$

- 6)
- a)  $24/36$
  - b)  $4/14$
  - c)  $5/40$
  - d)  $1/3 < 6/9 < 1 < 5/3 < 11/3$
  - e)  $1/8 < 1/3 < 2/4 < 6/9 < 1$
  - f)  $1 > 1/2 > 1/3 > 1/4 > 1/5$
  - g)  $1 > 1/2 > 1/4 > 1/8 > 1/16$

- 7) a)  $3/20$
- b)  $1/14$
- c)  $1/16$
- d)  $1/21$
- e)  $5/48$
- f)  $27/64$