

Assignment for Fractions -2

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) $27/64$

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