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Assignment Class 6 for Fractions-2 Questions and Answers Paper (For CBSE, ICSE, IAS, NET, NRA 2022)

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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?

Answer: $\frac{6}{3}$

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. $\frac{1}{5}$ and $\frac{4}{5}$ are like fractions

l. $\frac{2}{5}$ is a improper fraction

Answer:

a) True

b) False

c) False

d) False

e) True

f) True

g) True

h) True

i) True

j) False

k) True

l) False

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. $6\frac{1}{13}$

Answer:

a) $\frac{7}{6}$

b) $\frac{27}{13}$

c) $\frac{705}{7}$

d) $\frac{77}{8}$

e) $\frac{79}{13}$

Question 5

Find the following

a. $\frac{1}{9} + \frac{2}{9} + \frac{3}{9}$

b. $\frac{21}{11} - \frac{10}{12}$

c. $\frac{1}{2} + \frac{17}{3}$

d. $\frac{21}{77} - \frac{11}{77}$

e. $\frac{2}{4} - \frac{1}{3}$

f. $1 + \frac{1}{3} + \frac{1}{2}$

g. $\frac{2}{4} + \frac{1}{5}$

Answer:

a) $\frac{2}{3}$

b) $\frac{71}{61}$

c) $\frac{37}{6}$

d) $\frac{10}{77}$

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

f) $\frac{7}{10}$

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 Numberator 5

d) Arrange is ascending order $\frac{1}{3}, \frac{6}{9}, \frac{5}{3}, \frac{11}{3}, 1$

e) Arrange is 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 $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, 1$

Answer:

a) $\frac{24}{36}$

b) $\frac{4}{14}$

c) $\frac{5}{40}$

d) $\frac{1}{3} < \frac{6}{9} < 1 < \frac{5}{3} < \frac{11}{3}$

e) $\frac{1}{8} < \frac{1}{3} < \frac{2}{4} > \frac{6}{9} > 1$

f) $1 > \frac{1}{2} > \frac{1}{3} > \frac{1}{4} > \frac{1}{5}$

g) $1 > \frac{1}{2} > \frac{1}{4} > \frac{1}{8} > \frac{1}{16}$

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:

a) $\frac{3}{20}$

b) $\frac{1}{14}$

c) $\frac{1}{16}$

d) $\frac{1}{21}$

e) $\frac{5}{48}$

f) $\frac{27}{64}$