To convert fractions to decimals - Questions

1. Write each of these fractions as a decimal. Show whether you use a known fact or make an equivalent fraction.

a. $\frac{3}{5}$ =

b. $\frac{6}{20}$ =

c. $\frac{24}{50}$ =

d. $\frac{16}{25}$ =

e. $\frac{2}{5}$ =

f. $\frac{2}{3}$ =

---

2. Use inequality signs to show which of these is the largest:

a. $\frac{3}{4}$ or 0.72

b. 0.30 or $\frac{1}{5}$

c. $\frac{15}{50}$ or 0.33

d. $\frac{4}{5}$ or 0.8

e. Place these in ascending orders:

0.78 $\frac{3}{4}$ $\frac{2}{3}$ $\frac{4}{5}$

f. Place these in descending order:

0.24 $\frac{1}{5}$ 0.025 $\frac{1}{4}$

---

3. True or False? Correct any statements that are false.

a. $\frac{7}{10}$ = 0.70

b. If a fraction has 50 as its denominator, we can double the numerator and denominator to make it easier to convert into a decimal.

c. $\frac{4}{20}$ = 0.4

d. $\frac{80}{100}$ = 0.08

e. It is impossible to convert $\frac{350}{500}$ into a decimal.

To convert fractions to decimals - Answers

Question No.	Question	Answer
1	Write each of these fractions as a decimal. Show whether you use a known fact or make an equivalent fraction. a. $\frac{3}{5}$ = b. $\frac{6}{20}$ = c. $\frac{24}{50}$ = d. $\frac{16}{25}$ = e. $\frac{2}{5}$ = f. $\frac{2}{3}$ =	a. $\frac{3}{5}$ = 0.6 (use $\frac{1}{5}$ = 0.2) b. $\frac{6}{20}$ = 0.30 or 0.3 ($\frac{6}{20}$ = $\frac{30}{100}$) c. $\frac{24}{50}$ = 0.48 ($\frac{24}{50}$ = $\frac{48}{100}$) d. $\frac{16}{25}$ = 0.64 ($\frac{16}{25}$ = $\frac{64}{100}$) e. $\frac{2}{5}$ = 0.4 ($\frac{1}{5}$ = 0.2) f. $\frac{2}{3}$ = 0.66 ($\frac{1}{3}$ = 0.33)
2	Use inequality signs to show which of these is the largest: a. $\frac{3}{4}$ or 0.72 b. 0.30 or $\frac{1}{5}$ c. $\frac{15}{50}$ or 0.33 d. $\frac{4}{5}$ or 0.8 e. Place these in ascending orders: 0.78, $\frac{3}{4}$, $\frac{2}{3}$, $\frac{4}{5}$ f. Place these in descending order: 0.24, $\frac{1}{5}$, 0.025, $\frac{1}{4}$	a. > b. > c. < d. = e. $\frac{2}{3}$ $\frac{3}{4}$ 0.78 $\frac{4}{5}$ f. $\frac{1}{4}$ 0.24 $\frac{1}{5}$ 0.025
3	True or False? Correct any statements that are false. a. $\frac{7}{10}$ = 0.70 b. If a fraction has 50 as its denominator, we can double the numerator and denominator to make it easier to convert into a decimal. c. $\frac{4}{20}$ = 0.4 d. $\frac{80}{100}$ = 0.08 e. It is impossible to convert $\frac{350}{500}$ into a decimal.	a. True b. True c. False: $\frac{4}{20}$ = $\frac{20}{100}$ = 0.20 or 0.2 d. False: $\frac{80}{100}$ = 0.80 e. False: each could be divided by 5. $\frac{350}{500}$ = $\frac{70}{100}$ = 0.70