Fractions test

2c no calculator

name.....

1) Evaluate

a) $\frac{1}{8}$ of 56 =

b) $\frac{1}{3}$ of 18 =

c) $\frac{1}{5}$ of 40 =

d) $\frac{1}{7}$ of 35 =

e) $\frac{1}{10}$ of 30 =

2) a) $\frac{1}{6} = \frac{\quad}{24}$

b) $\frac{2}{3} = \frac{\quad}{27}$

c) $\frac{3}{4} = \frac{\quad}{28}$

d) $\frac{2}{7} = \frac{\quad}{49}$

e) $\frac{5}{8} = \frac{\quad}{24}$

3) Reduce to lowest form

a) $\frac{24}{44}$ =

b) $\frac{9}{24}$ =

c) $\frac{15}{45}$ =

d) $\frac{8}{12}$ =

e) $\frac{10}{35}$ =

4) Convert to mixed numerals

a) $\frac{34}{7}$ =

b) $\frac{67}{8}$ =

c) $\frac{33}{5}$ =

d) $\frac{14}{9}$ =

5) Convert to improper fractions

a) $3\frac{2}{7}$ =

b) $5\frac{3}{4}$ =

c) $7\frac{5}{8}$ =

d) $2\frac{3}{8}$ =

e) $4\frac{2}{3}$ =

6) Convert to decimals

a) $\frac{9}{100}$ =

b) $\frac{51}{100}$ =

c) $\frac{1}{10}$ =

d) $\frac{67}{1000}$ =

e) $\frac{366}{1000}$ =

7) Evaluate

a) $\frac{1}{6} + \frac{4}{5}$

$= \frac{\quad}{30} + \frac{\quad}{30}$

=

b) $\frac{1}{6} + \frac{4}{9}$

$= \frac{\quad}{18} + \frac{\quad}{18}$

=

c) $\frac{3}{4} - \frac{3}{5}$

$= \frac{\quad}{20} - \frac{\quad}{20}$

=

d) $\frac{7}{8} - \frac{1}{5}$

$= \frac{\quad}{40} - \frac{\quad}{40}$

=

e) $\frac{7}{10} + \frac{1}{12}$

$= \frac{\quad}{60} + \frac{\quad}{60}$

=

f) $\frac{1}{7} + \frac{2}{3}$

$= \frac{\quad}{21} + \frac{\quad}{21}$

=

g) $\frac{7}{15} - \frac{2}{9}$

$= \frac{\quad}{45} - \frac{\quad}{45}$

=

8) Find the larger fraction by first converting to a common denominator.

a) $\frac{5}{6}$ or $\frac{4}{5}$

$\frac{5}{6} = \frac{\quad}{30}$

$\frac{4}{5} = \frac{\quad}{30}$

..... is larger

b) $\frac{7}{8}$ or $\frac{11}{12}$

$\frac{5}{8} = \frac{\quad}{24}$

$\frac{7}{12} = \frac{\quad}{24}$