

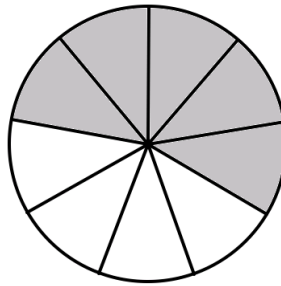
1. Compute each of the following.

a) $\frac{3}{5}$ of 70 42

b) $\frac{7}{8}$ of 32 28

c) $\frac{10}{3}$ of 30 100

2. If the circle shown on the picture represents 1, what fraction does the shaded region represent?
 $\frac{5}{9}$



3. Equivalent fractions.

a) Bring $\frac{27}{36}$ to lowest terms $\frac{3}{4}$

b) Re-write $\frac{5}{8}$ as a fraction with denominator 24 $\frac{15}{24}$

c) Re-write $\frac{17}{20}$ as a fraction with denominator 100 $\frac{85}{100}$

4. Compare the fractions $\frac{5}{6}$ and $\frac{4}{5}$ by

a) Computing $\frac{5}{6}$ and $\frac{4}{5}$ of 60. 50 and 48 so $\frac{5}{6}$ is greater

b) Bringing them to a common denominator $\frac{5}{6} = \frac{25}{30}$ $\frac{4}{5} = \frac{24}{30}$ so $\frac{5}{6}$ is greater

5. Conversions

a) Convert $\frac{25}{7}$ to an improper fraction. $3\frac{4}{7}$

b) Convert $5\frac{1}{6}$ to a mixed number. $\frac{31}{6}$

6. Perform the following operations as indicated.

a) $\frac{2}{9} + \frac{1}{6} = \frac{7}{18}$

b) $3\frac{2}{5} - \frac{3}{4} = \frac{53}{20}$

c) $\frac{3}{8} \cdot \frac{4}{9} = \frac{1}{6}$

d) $2\frac{4}{5} \div 4\frac{2}{3} = \frac{3}{5}$

e) $\frac{3}{5} - \frac{2}{3} \cdot \frac{5}{6} = \frac{2}{45}$

f) $\frac{1}{2} - \left(\frac{2}{3}\right)^2 \left(\frac{1}{5}\right) = \frac{37}{90}$

7. a) Perform the division $10 \div \frac{1}{4} = 40$

b) How many quarters are there in a roll of \$10?