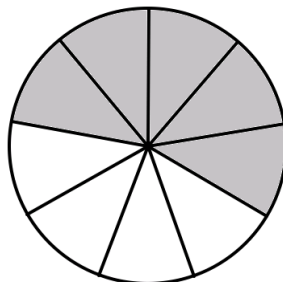


1. Compute each of the following.

a) $\frac{3}{5}$ of 70 b) $\frac{7}{8}$ of 32 c) $\frac{10}{3}$ of 30

2. If the circle shown on the picture represents 1, what fraction does the shaded region represent?



3. Equivalent fractions.

- a) Bring $\frac{27}{36}$ to lowest terms.
 b) Re-write $\frac{5}{8}$ as a fraction with denominator 24.
 c) Re-write $\frac{17}{20}$ as a fraction with denominator 100.

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

- a) Computing $\frac{5}{6}$ and $\frac{4}{5}$ of 60.
 b) Bringing them to a common denominator.

5. Conversions

- a) Convert $\frac{25}{7}$ to an improper fraction. b) Convert $5\frac{1}{6}$ to a mixed number.

6. Perform the following operations as indicated.

a) $\frac{2}{9} + \frac{1}{6}$ c) $\frac{3}{8} \cdot \frac{4}{9}$ e) $\frac{3}{5} - \frac{2}{3} \cdot \frac{5}{6}$
 b) $3\frac{2}{5} - \frac{3}{4}$ d) $2\frac{4}{5} \div 4\frac{2}{3}$ f) $\frac{1}{2} - \left(\frac{2}{3}\right)^2 \left(\frac{1}{5}\right)$

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

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

Answers

1. a) 42 b) 28 c) 100

2. $\frac{5}{9}$

3. a) $\frac{3}{4}$ b) $\frac{15}{24}$ c) $\frac{85}{100}$

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

b) $\frac{5}{6} = \frac{25}{30}$ $\frac{4}{5} = \frac{24}{30}$ $\frac{24}{30} < \frac{25}{30}$ so $\frac{5}{6}$ is greater

5. a) $3\frac{4}{7}$ b) $\frac{31}{6}$

6. a) $\frac{7}{18}$ b) $\frac{53}{20}$ c) $\frac{1}{6}$ d) $\frac{3}{5}$ e) $\frac{2}{45}$ f) $\frac{37}{90}$

7. a) 40 b) 40