

Practice: Get Ready

Fraction and Number Sense

1. Order the fractions in each set from least to greatest.

a) $\frac{2}{5}, \frac{7}{10}, \frac{1}{3}, \frac{3}{4}$

b) $\frac{3}{5}, \frac{1}{2}, \frac{5}{8}, \frac{5}{6}$

c) $\frac{3}{2}, \frac{4}{3}, \frac{5}{4}, 2$

d) $\frac{11}{10}, 1, \frac{7}{8}, \frac{10}{11}$

e) $\frac{4}{7}, 1, \frac{2}{3}, 1\frac{1}{4}$

f) $\frac{5}{9}, \frac{8}{13}, \frac{1}{2}, \frac{49}{100}$

2. Simplify.

a) $\frac{3}{5} + \frac{7}{10}$

b) $\frac{5}{4} - \frac{1}{2}$

c) $\frac{5}{6} + \frac{2}{3} + \frac{3}{2}$

d) $1 - \frac{3}{4} + \frac{1}{2}$

e) $\frac{1}{3} \times \frac{5}{8}$

f) $4 \div \frac{1}{2}$

Ratio and Proportion

3. Write each ratio in simplest form.

a) 40:5

b) 27:3

c) 4:12

d) 72:60

e) 15:60:90

f) 22:110:99

4. Solve for x .

a) $\frac{6}{x} = \frac{1}{8}$

b) $\frac{3}{10} = \frac{x}{30}$

c) $\frac{5}{25} = \frac{1}{x}$

d) $\frac{x}{4} = \frac{9}{12}$

e) $\frac{3}{x} = \frac{12}{20}$

f) $\frac{x}{40} = \frac{3}{8}$

5. Solve each proportion.

a) $10:2 = m:10$

b) $24:8 = x:4$

c) $12:3 = 4:a$

d) $5:7 = g:28$

e) $4:9 = v:72$

f) $x:44 = 3:4$

Angle Properties

6. Find the measure of each indicated angle.

