

$$1. \quad \frac{-9}{x} = \frac{5}{6}$$

$$6. \quad \frac{7}{k-2} = \frac{5}{8}$$

$$2. \quad \frac{8}{p} = \frac{3}{10}$$

$$7. \quad \frac{3}{3b+4} = \frac{2}{b-4}$$

$$3. \quad \frac{2}{-5} = \frac{6}{t}$$

$$8. \quad \frac{q+2}{5} = \frac{2q-11}{7}$$

$$4. \quad \frac{b+4}{5} = \frac{7}{4}$$

$$9. \quad \frac{c+1}{c-2} = \frac{4}{7}$$

$$5. \quad \frac{2c}{11} = \frac{c-3}{4}$$

10. We know that every 3 inches is approximately 7.62 cm. How many inches are there 48.5 cm. Use a proportional equation to solve. Round your answer to the nearest tenth of an inch.

11. CHALLENGE! Use a ruler and a proportional equation to estimate the actual distance between
- a. Fairbanks and Nome



- b. Hamburg, Germany and Stockholm, Sweden



- c. Which is farther?