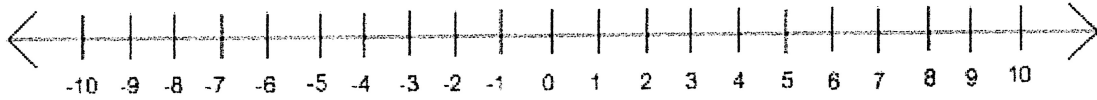


Integer/Fraction/Algebra Practice

1. Add or subtract each of the following **WITHOUT** the use of a calculator.



a) $-3 + (-4)$

b) $2 - (-3)$

c) $5 + (-7)$

d) $-4 - (-3)$

e) $-1 - 3$

f) $6 - 8$

2. Multiply or divide each of the following **WITHOUT** using a calculator; you may use your multiplication table.

a) $3(-4)$

b) -5×-7

c) $-8 \times (9)$

d) $42/6$

e) $32/-8$

f) $\frac{-56}{-7}$

3. Simplify each of the following fractions.

a) $\frac{36}{54}$

b) $\frac{24}{42}$

c) $-\frac{25}{30}$

4. Change each mixed fraction to an improper fraction.

a) $2\frac{3}{4}$

b) $3\frac{2}{7}$

c) $-9\frac{2}{3}$

5. Add or subtract each fractional expression.

a) $\frac{1}{3} + \frac{2}{5}$

b) $\frac{2}{7} - \frac{3}{4}$

c) $-\frac{5}{6} + \frac{1}{3}$

d) $\frac{2}{3} - \left(-\frac{1}{4}\right)$

e) $-\frac{3}{5} + 1\frac{1}{2}$

f) $\frac{5}{2} - 2$

6. For each pair, circle the fraction that you think represents a larger amount; pie diagrams may help.

a) $\frac{1}{2}$ or $\frac{3}{4}$

b) $\frac{2}{3}$ or $\frac{3}{4}$

c) $\frac{2}{7}$ or $\frac{1}{3}$

7. Solve the following algebraic equations.

a) $2x + 1 = 7$

b) $3x - 2 = x + 10$

c) $-x + 4 = 2x - 8$

d) $3(x - 2) = 12$

e) $-2(x + 5) = x - 40$

f) $3(x - 1) - (x + 2) = -3$