

"Kung Fu" Fractions

1. Find each product.

a) $4\left(\frac{7}{2}\right)$

b) $6\left(\frac{4}{3}\right)$

c) $4\left(\frac{3}{8}\right)$

d) $8\left(\frac{5}{2}\right)$

e) $9\left(\frac{4}{3}\right)$

f) $56\left(\frac{7}{8}\right)$

2. Simplify each expression.

a) $\frac{3}{4} - \frac{5}{6} + \frac{2}{3}$

b) $\frac{4}{5} - \frac{5}{6} + \frac{3}{10}$

3. Evaluate each expression.

a) $8\left(\frac{3}{4} - \frac{7}{2}\right)$

b) $6\left(\frac{2}{3} + \frac{5}{6}\right)$

c) $7\left(\frac{5}{6} - \frac{3}{4} + \frac{1}{2}\right)$

d) $3\left(3 - \frac{2}{3} + \frac{5}{2}\right)$

"Kung Fu" Fractions

1. Find each product.

a) $4^2 \left(\frac{7}{2}\right)$

$\boxed{14}$

b) $6^2 \left(\frac{4}{3}\right)$

$\boxed{8}$

c) $4 \left(\frac{3}{8}\right)$

$\frac{4}{1} \cdot \frac{3}{8}$

$\frac{3}{2}$

Cannot Kung Fu!

d) $8^4 \left(\frac{5}{2}\right)$

$\boxed{20}$

e) $9^3 \left(\frac{4}{3}\right)$

$\boxed{12}$

f) $56^7 \left(\frac{7}{8}\right)$

$\boxed{49}$

2. Simplify each expression.

a) $\frac{3}{4} - \frac{5}{6} + \frac{2}{3}$ LCD=12

$\frac{12}{12} \left[\frac{3}{4} - \frac{5}{6} + \frac{2}{3} \right]$

$\frac{9 - 10 + 8}{12}$

$\frac{7}{12}$

b) $\frac{4}{5} - \frac{5}{6} + \frac{3}{10}$ LCD=30

$\frac{30}{30} \left[\frac{4}{5} - \frac{5}{6} + \frac{3}{10} \right]$

$\frac{24 - 25 + 9}{30}$

$\frac{8}{30}$

$\frac{4}{15}$

3. Evaluate each expression.

$$a) 8\left(\frac{3}{4} - \frac{7}{2}\right)$$

$$8\left(\frac{3}{4}\right) - 8\left(\frac{7}{2}\right)$$

$$6 - 28$$

$$\boxed{-22}$$

$$b) 6\left(\frac{2}{3} + \frac{5}{6}\right)$$

$$6\left(\frac{2}{3}\right) + 6\left(\frac{5}{6}\right)$$

$$4 + 5$$

$$\boxed{9}$$

$$c) 7\left(\frac{5}{6} - \frac{3}{4} + \frac{1}{2}\right)$$

$$LCD = 12$$

$$7 \cdot \frac{12}{12} \left(\frac{5}{6} - \frac{3}{4} + \frac{1}{2}\right)$$

$$7 \cdot \frac{10 - 9 + 6}{12}$$

$$7 \cdot \frac{7}{12}$$

$$\frac{7}{1} \cdot \frac{7}{12}$$

$$\boxed{\frac{49}{12}}$$

$$d) 3\left(3 - \frac{2}{3} + \frac{5}{2}\right)$$

$$LCD = 6$$

$$3 \cdot \frac{6}{6} \left(3 - \frac{2}{3} + \frac{5}{2}\right)$$

$$3 \cdot \frac{18 - 4 + 15}{6}$$

$$3 \cdot \frac{19}{6}$$

$$\frac{3}{1} \cdot \frac{19}{6}$$

$$\boxed{\frac{19}{2}}$$