

Warm Up

Sept 27

1.  $-\frac{17}{4} - \frac{11}{3}$

2.  $1\frac{5}{8} + (-6\frac{1}{3})$

3.  $(-8\frac{3}{4})(2\frac{2}{15})$

4.  $-\frac{7}{8} - \frac{1}{5} \div (-\frac{3}{10}) - \frac{1}{4}$

solutions

Warm Up

Sept 27

1.  $-\frac{17}{4} - \frac{11}{3} = \frac{-51}{12} - \frac{44}{12}$       2.  $1\frac{5}{8} + (-6\frac{1}{3}) = \frac{13}{8} - \frac{19}{3}$   
 $\frac{7 \times 12 = 84}{95 - 84 = 11}$        $= -\frac{95}{12}$        $= \frac{39}{24} - \frac{152}{24}$   
 $= -7\frac{11}{12}$        $= -\frac{113}{24}$  or  $4\frac{17}{24}$   
 $4 \times 24 = 96$   
 $113 - 96$

3.  $(-8\frac{3}{4})(2\frac{2}{15})$

$(-\frac{35}{4})(\frac{32}{15}) = \frac{56}{3}$   
 $= 18\frac{2}{3}$

4.  $-\frac{7}{8} - \frac{1}{5} \div (-\frac{3}{10}) - \frac{1}{4}$

$-\frac{7}{8} - \frac{1}{5} \times -\frac{10}{3} - \frac{1}{4}$   
 $= -\frac{7}{8} + \frac{2}{3} - \frac{1}{4}$   
 $= \frac{-21}{24} + \frac{16}{24} - \frac{6}{24}$   
 $= -\frac{11}{24}$

## Problems with the homework?

① Extra Practice 5

2.a 3

② Extra Practice 6

1.a) 4.a) 5

③ Review p. 144-145

7a), 12 14a), c 19c

Extra Practice 5

#3. -3.2 m in 5min m per min?

$$\text{km/hr} = \frac{\text{km}}{\text{hr}} \quad \text{per means divide}$$

$$\begin{aligned} \text{m/min} &= \frac{-3.2}{5} \\ &= -0.64 \text{ m/min} \end{aligned}$$

Extra practice 6

$$\underline{5.} \quad \frac{9.6 \times 12.6 - 5.1 \div (-7.4) - 0.6}{(-2.9) \div 1.3 - (-6.5)}$$

$$\doteq \frac{120.96 + 0.69 - 0.6}{-2.23 + 6.5}$$

$$\doteq \frac{121.05}{4.27}$$

$$\doteq 28.35$$

## Concept Reinforcement

Practice Test Page 146

Test tomorrow

Unit 3 Rational Numbers