

Warm Up

Jan 14

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

$$\times 3 \left(-\frac{51}{12} - \frac{44}{12} \right) \times 4$$

$$= \frac{-95}{12}$$

$$= -7\frac{11}{12}$$

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

$$= \left(-\frac{35}{4}\right) \left(\frac{32}{15}\right)$$

$$= -\frac{56}{3}$$

$$2. \quad \left|\frac{5}{8} + \left(-6\frac{1}{3}\right)\right| = \frac{13}{8} - \frac{19}{3}$$

$$\times 3 \left(-\frac{39}{24} - \frac{152}{24} \right) \times 8$$

$$= \frac{-113}{24}$$

$$= -4\frac{17}{24}$$

$$4. \quad \left|\frac{1}{2} \div \frac{2}{5}\right|$$

$$= \frac{3}{2} \div \frac{2}{5}$$

$$= \frac{3}{2} \times \frac{5}{2}$$

$$= \frac{15}{4}$$

$$= 3\frac{3}{4}$$

Warm Up

Jan 11

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

$$\times 3 \left(-\frac{51}{12} - \frac{44}{12} \right) \times 4$$

$$= \frac{-95}{12}$$

$$2. \quad \left|\frac{5}{8} + \left(-6\frac{1}{3}\right)\right| = \frac{13}{8} - \frac{19}{3}$$

$$\times 3 \left(-\frac{39}{24} - \frac{152}{24} \right) \times 8$$

$$= \frac{-113}{24}$$

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

$$= \left(-\frac{35}{4}\right) \left(\frac{32}{15}\right)$$

$$= -\frac{56}{3} \checkmark$$

$$= -18\frac{2}{3}$$

$$4. \quad \left|\frac{1}{2} \div \frac{2}{5}\right| = \frac{3}{2} \div \frac{2}{5}$$

$$= \frac{3}{2} \times \frac{5}{2}$$

$$= \frac{15}{4}$$

Order of Operations

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

Order of Operations

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

$$-\frac{7}{8} - \frac{1}{5} \times -\frac{2}{3} - \frac{1}{4}$$

$$\begin{array}{r} \times 3 \\ \frac{-7}{8} + \frac{2}{3} - \frac{1}{4} \times 6 \end{array}$$

$$\frac{-21}{24} + \frac{16}{24} - \frac{6}{24}$$

$$\frac{-11}{24}$$

Brackets
Exponents
Divide
Multiply
Add
Subtract

UNIT 3 - EXAM PREPARATION:**Page 143: Study Guide (Unit 3)****Page 144: #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 12****Page 145: #14, 19, 21, 22, and 23****Page 146: Practice Test**

1. -2.5 and $-\frac{11}{3} = -3.\bar{6}$

a) -3.4 Yes c) $-\frac{19}{6} = -3.1\bar{6}$ Yes

b) $-\frac{9}{4} = -2.25$ No d) -4.2 No

3. b) $\frac{1}{5}$ $\frac{7}{10}$ 0.20 0.7
 $\frac{2}{10}$ $\frac{7}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ 0.3, 0.4, 0.5