

Lesson

2.6

Extra Practice

Evaluate the expression. Write fractions in simplest form.

1. $2.1 + 0.7 \times 6.4$

$$2.1 + 4.48$$

$$\textcircled{6.58}$$

3. $4.3 - 8.4 \div 1.6$

$$4.3 - 5.25$$

$$\textcircled{-0.95}$$

5. $6.3 - 2.4 \times (-8.2 + 4.1)$

$$6.3 - 2.4 \cdot -4.1$$

$$6.3 + 9.84$$

$$\textcircled{16.14}$$

7. $-4.35 - 23.85 \div 3^2$

$$-4.35 - 23.85 \div 9$$

$$-4.35 - 2.65$$

$$\textcircled{-7}$$

9. $9.8 - 0.4^2 \cdot (-24)$

$$9.8 - 0.16 \cdot -24$$

$$9.8 + 3.84$$

$$\textcircled{13.64}$$

11. Your friend evaluates the expression. Is your friend correct? Explain your reasoning.

no the answer should be a negative

$$\left(\frac{2}{3}\right)^2 \times \left(-\frac{3}{4}\right) = \frac{4}{9} \times \left(-\frac{3}{4}\right)$$

$$= -\frac{1}{3}$$

12. You are on a three-day canoeing trip. On the first day, you canoe $4\frac{3}{8}$ miles.

On the second day, you canoe $2\frac{1}{2}$ times the distance you canoed on the first

day. On the third day, you canoe the difference between the distances you canoed on the first and second days. How many total miles do you canoe?

$$4\frac{3}{8} \cdot 2\frac{1}{2} = 10\frac{15}{16} \text{ (second day)} - 4\frac{3}{8} = 6\frac{9}{16} \text{ (third day)}$$

$$4\frac{3}{8} + 10\frac{15}{16} + 6\frac{9}{16} =$$

$$\textcircled{21\frac{7}{8}}$$