

8.10 Review

Evaluate each expression.

$$\frac{4}{5} s \text{ when } s = \frac{3}{4}$$

$$\cancel{\frac{4}{5} \cdot \frac{3}{4}} = \frac{3}{5}$$

$$\cancel{\frac{4}{5}} \cdot \frac{3}{\cancel{4}} = \frac{12}{5}$$

8.10 Review

Evaluate each expression.

$$b \div \frac{7}{12} \text{ when } b = \frac{7}{9}$$

$$\cancel{\frac{7}{12}} \div \frac{7}{\cancel{12}} = \frac{12}{9}$$

$$\cancel{\frac{7}{9} \cdot \frac{12}{7}} = \frac{4}{3}$$

8.10 Review

Evaluate each expression.

$$z \div \frac{3}{10} \text{ when } z = 4 \frac{1}{5}$$

Handwritten work for the first problem:

- Attempt 1: $20 \div 3 = 6 \frac{2}{3}$
- Attempt 2: $4 \frac{1}{5} \cdot \frac{10}{3} = 40 \frac{2}{3}$
- Attempt 3: $40 \frac{2}{3} \div 3 = 13 \frac{2}{9}$
- Other scribbles: $7 \cdot 2 = 14$, $10 \cdot 2 = 20$, $14 \div 1 = 14$

8.10 Review

Evaluate each expression.

$$7c \text{ when } c = \frac{20}{21}$$

Handwritten work for the second problem:

- Attempt 1: $7 \cdot \frac{20}{21} = \frac{140}{21} = \frac{20}{3}$
- Attempt 2: $7 \cdot \frac{20}{21} = \frac{140}{21} = \frac{20}{3}$
- Other scribbles: $7 \cdot 20 = 140$, $140 \div 21 = 6 \frac{14}{21} = 6 \frac{2}{3}$

8.10 Review

Evaluate each expression.

$$m + \frac{2}{3}n \text{ when } m = 3\frac{5}{6} \text{ and } n = \frac{1}{2}$$

$$\frac{25}{6}$$

$$\frac{25}{6} +$$

$$\frac{23}{6} + \frac{2}{3} \cdot \frac{1}{2} = \frac{23}{6} + \frac{2}{6} = \frac{25}{6}$$

$$\frac{25}{6}$$

$$\frac{23}{6} + \frac{2}{6}$$