Name: _____   Date: _____

Section 6.6 Extra Practice

1. List the following in the order of operations for fractions.

addition/subtraction (left to right), brackets, multiplication/division (left to right)

First _____

Second _____

Third _____

2. Decide where each of the following statements is true or false. Circle the word *True* or *False*. If the statement is false, rewrite the answer to make it true.

a) True/False $5 - 3 \times \frac{1}{2} = 1$ _____

b) True/False $2\frac{7}{8} - 2 \times \frac{3}{4} = \frac{21}{32}$ _____

c) True/False $125 \times \frac{1}{5} - 5 \div \frac{1}{3} = 10$ _____

3. Calculate. Show your work.

a) $\left(\frac{5}{8} - \frac{1}{2}\right) \times \frac{5}{6}$

b) $\frac{3}{4} \times \frac{8}{9} - \frac{1}{9} \div \frac{2}{3}$

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

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4. For each question below, do the following:
  • Write the expression that matches the problem.
  • Calculate. Show your work.
  • Include a sentence answer.

a) Super Mart had a sale. The first $200 Sara's father spent was discounted by $\frac{1}{10}$, and the amount he spent over $200 was discounted by $\frac{1}{5}$. Sara's father bought $275 worth of groceries. What was the total discount?

b) In Mr. Jones's grade 8 class 20 students, or $\frac{5}{7}$ of the class, bought class photos. In Ms. Floyd's grade 8 class 18 students, or $\frac{2}{3}$ of the class, bought class photos. How many students were there in total in Mr. Jones's and Ms. Floyd's classes?