

Feb. 3, 2020

Grade 8

$$1) 2\frac{7}{8} \div 1\frac{1}{5}$$

$$\frac{23}{8} \div \frac{6}{5}$$

$$\frac{23}{8} \times \frac{5}{6}$$

$$= \frac{115}{48}$$

$$= 2\frac{19}{48}$$

- 2) A car can travel 66 km in $\frac{3}{4}$ of an hour. How far will it travel in 1 hour?

$$\begin{array}{l} 66 \text{ km in } \frac{3}{4} \text{ hr} \\ \div 3 \quad \left. \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \right\} \frac{22 \text{ km in } \frac{1}{4} \text{ hr}}{\div 3} \\ \times 4 \quad \left. \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \right\} \frac{88 \text{ km in } \frac{4}{4} \text{ hr}}{\times 4} \end{array}$$

$$\frac{4}{4} \text{ hr}$$

OR

$$66 \div \frac{3}{4}$$

$$\frac{66 \div 3}{1} \times \frac{4}{3 \div 3}$$

$$\frac{22}{1} \times \frac{4}{1}$$

$$= 88$$

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$$3 \text{ a) } \frac{2}{3} + \frac{1}{4}$$

$$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$

cups of liquid

$$b) \frac{1}{3} \text{ of } 165$$

$$\frac{1}{3} \times 165 = \frac{165}{3} = 55$$

$$\frac{1}{3} \text{ of } 150 = 50$$

$$\frac{1}{3} \text{ of } 15 = 5$$

55 silver caps

$$c) \frac{3}{4} - \frac{3}{8}$$

$$\frac{6}{8} - \frac{3}{8} = \frac{3}{8}$$

She need $\frac{3}{8}$ more

$$d) \frac{5}{12} \times 2 = \frac{10}{12} \text{ was shared}$$

$$4 \quad \frac{2}{3} + \frac{1}{4}$$

$$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$

He had $\frac{11}{12}$ cans of paint.

$$5. 5 \div \frac{1}{8}$$

$$5 \times \frac{8}{1} = 40$$

The team scored 40 goals.

$$\frac{1}{8} \text{ of Total} = 5$$

$$\frac{1}{8} \times \text{Total} = 5$$

$$\frac{1}{8} \text{ is } 5$$

$$\text{so } \frac{8}{8} = 8 \times 5$$

$$= 40$$

6. morning + afternoon

$$\frac{1}{6} + \frac{1}{3}$$

$$\frac{1}{6} + \frac{2}{6} = \frac{3}{6} \text{ or } \frac{1}{2}$$

 $\frac{1}{2}$ attended in the evening

$$b) \frac{1}{2} \text{ of } 30$$

$$\frac{1}{2} \times 30 = \frac{30}{2}$$

= 15 parents attended in the evening

Class / Homework

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When you are done
this work on the
provided worksheet

Unit 3 Test Thursday, Feb 6

Sheet 1



Sheet 2



Divide and Reduce (Show ALL Work)

1) $2\frac{2}{5} \div 3\frac{1}{2} =$

9) $3\frac{2}{3} \div 3\frac{3}{4} =$

2) $2\frac{8}{9} \div 2\frac{3}{5} =$

10) $2\frac{3}{7} \div 2\frac{1}{2} =$

3) $4\frac{1}{3} \div 2\frac{1}{3} =$

4) $4\frac{3}{5} \div 4\frac{2}{7} =$

5) $4\frac{3}{4} \div 2\frac{8}{9} =$

6) $2\frac{1}{5} \div 4\frac{1}{2} =$

7) $2\frac{1}{6} \div 2\frac{4}{7} =$

8) $3\frac{5}{6} \div 4\frac{3}{8} =$

Multiply and Reduce (Show ALL Work)

1) $3\frac{3}{7} \times 4\frac{1}{3} =$

9) $4\frac{5}{6} \times 3\frac{1}{3} =$

2) $4\frac{3}{7} \times 2\frac{3}{5} =$

10) $4\frac{1}{2} \times 4\frac{3}{7} =$

3) $2\frac{1}{2} \times 4\frac{5}{9} =$

4) $2\frac{1}{5} \times 2\frac{3}{8} =$

5) $2\frac{2}{9} \times 3\frac{1}{7} =$

6) $4\frac{2}{5} \times 2\frac{1}{4} =$

7) $2\frac{2}{7} \times 4\frac{1}{5} =$

8) $4\frac{3}{4} \times 4\frac{1}{2} =$

Attachments

dividing_mixed_numbers.pdf

multiplying_mixed_numbers.pdf