

Grade 6 Mathematics

April 30, 2021

Please note: Our in-class activity for today is to write notes in our classroom notebooks.

The notes are for lessons we have already completed.

Students who are absent will have to include these lessons in their math notebooks when they come back to school.

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Divide Fractions by Whole Numbers

* Remember to show all work

$$4 \div \frac{1}{6}$$

Step 1: Make the whole number into a fraction.

$$4 \div \frac{1}{6} \rightarrow \frac{4}{1} \div \frac{1}{6}$$

Step 2: Flip the back of the problem into its opposite

$$\frac{4}{1} \div \frac{1}{6} \rightarrow \frac{4}{1} \times \frac{6}{1} =$$

Step 3: Multiply, solve, reduce

$$\frac{4}{1} \times \frac{6}{1} = \frac{24}{1} = 24$$

This is how to show the work

$$4 \div \frac{1}{6}$$

$$\frac{4}{1} \div \frac{1}{6}$$

$$\frac{4}{1} \times \frac{6}{1} = \frac{24}{1} = 24$$

Do Now

1. $8 \div \frac{2}{4}$

2. $4 \div \frac{1}{3}$

3. $9 \div \frac{5}{6}$

4. $3 \div \frac{1}{3}$

5. $6 \div \frac{1}{4}$

Divide Mixed Fractions by Whole Numbers

* Remember to show all work.

$$3\frac{1}{6} \div \frac{1}{2}$$

Step 1: Make the mixed fraction into an improper fraction

$$3\frac{1}{6} \div \frac{1}{2} \rightarrow \frac{19}{6} \div \frac{1}{2}$$

Step 2: Flip the back of the problem into its opposite.

$$\frac{19}{6} \div \frac{1}{2} \rightarrow \frac{19}{6} \times \frac{2}{1}$$

Step 3: Reduce, solve, reduce again

$$\frac{19}{6} \times \frac{2}{1} = \frac{19}{3} = 6\frac{1}{3}$$

This is how to show the work

$$\begin{array}{l|l} 3\frac{1}{6} \div \frac{1}{2} & \frac{19}{6} \times \frac{2}{1} = \\ \frac{19}{6} \div \frac{1}{2} & \frac{19}{6} \times \frac{2}{1} = \frac{19}{3} = 6\frac{1}{3} \end{array}$$

Do Now

$$1. 10 \div \frac{5}{9} =$$

$$2. \frac{1}{2} \div 10 =$$

$$3. \frac{1}{6} \div 5 =$$

$$4. 3 \div \frac{2}{3} =$$

$$5. 4 \div 2\frac{5}{8} =$$

What You Can Do at Home

- Please complete the “Do Now” problems at home and send your work to kharristks@gmail.com.
- Complete the problems exactly as the directions say.
- If you are missing other worksheets, please complete those as well.
- Any work that is not completed correctly will be a D.I.A. (do it again)