

STUDY GUIDE

NAME: Key # _____

DATE: _____

Fractions: As Division, Multiplication & Division

(Module 4) 5.NF.3; 5.NF.4; 5.NF.6; 5.NF.7; 5.NBT.7; 5.MD.1; 5.MD.2

1. Match each fraction on the left with its equivalent fraction on the top row. Mark your answers on your answer document.

	$\frac{5}{15}$	$\frac{3}{27}$	$\frac{1}{2}$
$\frac{3}{6}$	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
$\frac{1}{9}$	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
$\frac{1}{3}$	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

$$\frac{1 \times 3}{9 \times 3} = \frac{3}{27}$$

$$\frac{1 \times 5}{3 \times 5} = \frac{5}{15}$$

2. There are 3 pieces of tape. Each one is 2 and 3 fourths inches long. Write as many expressions as you can to correctly find the total length of all the tape. HINT: use more than one operation & think of other ways to represent the values provided.

$$3 \times 2\frac{3}{4}$$

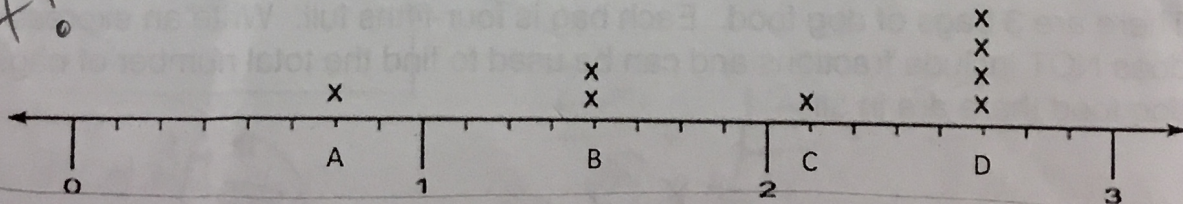
$$2\frac{3}{4} + 2\frac{3}{4} + 2\frac{3}{4}$$

$$\frac{11}{4} + \frac{11}{4} + \frac{11}{4}$$

$$3 \times \frac{11}{4}$$

3. The line plot below represents the amount of paint used, in pints, by the students in art class.

Convert!



How many total gallons was used?

Final Answer
 $2\frac{3}{64}$

$$\frac{6}{8} + \frac{4}{8} + \frac{4}{8} + 2\frac{1}{8} + 2\frac{5}{8} + 2\frac{5}{8} + 2\frac{5}{8} + \frac{5}{8}$$

$$12 + \frac{35}{8} = 16\frac{3}{8}$$

$$\frac{131}{8} \text{ pints} = \frac{131}{8} \times \frac{1 \text{ pint}}{16} = \frac{131}{128}$$