

STUDY GUIDE

Fractions:

As Division, Multiplication, & Division
Module 4: End of Module

Name: Key # _____
Date: _____

1. Darken the bubbles to match each fraction on the left with its equivalent fraction on the top row.

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

2. There are 4 pieces of wire. Each one is 3 and 1 -sixth inches long. Select ALL of the expressions that would give the total length of all the ropes.

A. $4 \times \frac{18}{6}$

$4 \times 3\frac{1}{6}$

D. $\frac{1}{4} \times 3\frac{1}{6}$

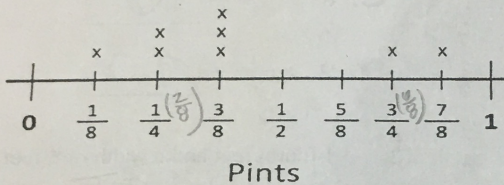
B. $\frac{19}{6} + \frac{19}{6} + \frac{19}{6} + \frac{19}{6}$

E. $\frac{18}{6} + \frac{18}{6} + \frac{18}{6} + \frac{18}{6}$

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

F. $4 \times \frac{19}{6}$

3. What is the total number of cups represented on the line plot below?



$\frac{1}{8} + \frac{4}{8} + \frac{9}{8} + \frac{6}{8} + \frac{7}{8}$

$\frac{27}{8}$ pints = $6\frac{3}{4}$ cups

$\frac{27}{8} \times 2 = \frac{27 \times 2}{4} = \frac{54}{4} = 13\frac{3}{4}$

$6\frac{3}{4}$

4. A wall is built for a play that has a width of 5 and a half feet and a length of 15 feet. Write an expression using multiplication with an improper fraction that can be used to find the area of the wall, then find the area.

TS: The area of the wall is $82\frac{1}{2}$ ft².

area = l x w

$5\frac{1}{2} \times 15 = \frac{11 \times 15}{2} = \frac{165}{2} = 82\frac{1}{2}$

$\frac{165}{2} = 82\frac{1}{2}$ ft²

5. Complete each math sentence below with the correct comparison symbol.

A. $\frac{6}{5} \times 17$ 17

E. $22 \times \frac{5}{5}$ 22

B. $\frac{11}{12} \times \frac{8}{7}$ $\frac{8}{7}$

F. $\frac{6}{5} \times 17$ $\frac{6}{5}$

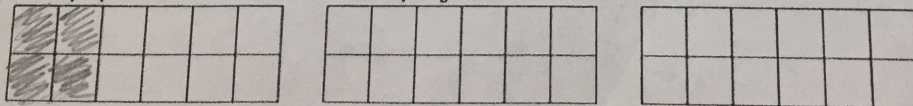
C. $6 \times \frac{4}{5}$ 6

G. $\frac{11}{12} \times \frac{8}{7}$ $\frac{11}{12}$

D. $22 \times \frac{5}{5}$ $\frac{5}{5}$

H. $6 \times \frac{4}{5}$ $\frac{4}{5}$

6. Janice has 36 pieces of construction paper. She wants to use the same amount of paper on the project she is working on and the next 8 projects she has planned. Shade the number of sections of paper she will use on each project.



$36 \text{ pieces} \div 9 \text{ projects} = 4 \text{ per project}$