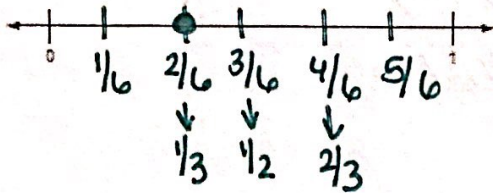
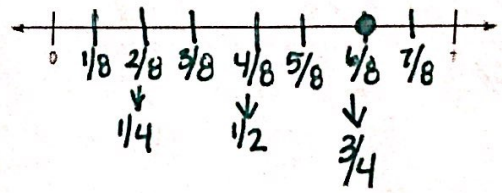


1. Divide & label the number line into sixths. Plot  $\frac{1}{3}$ .



2. Divide & label the number line into eighths. Plot  $\frac{3}{4}$ .



2. Order the fractions from least to greatest. Show or explain your reasoning.

a.  $\frac{5}{11}, \frac{5}{6}, \frac{5}{13}, \frac{5}{3}, \frac{5}{17}, \frac{5}{8}$

$\frac{5}{17}, \frac{5}{13}, \frac{5}{11}, \frac{5}{8}, \frac{5}{6}, \frac{5}{3}$

b.  $\frac{7}{5}, \frac{7}{15}, \frac{7}{4}, \frac{7}{22}, \frac{7}{9}, \frac{7}{12}$

$\frac{7}{22}, \frac{7}{15}, \frac{7}{12}, \frac{7}{9}, \frac{7}{5}, \frac{7}{4}$

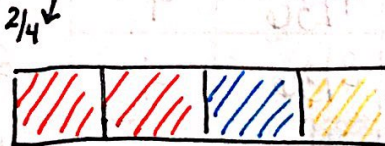
*the bigger the denominator, the smaller the pieces*

3. Create a rectangle that represents the following fractions and their colors:

a.  $\frac{1}{4}$  yellow &  $\frac{3}{4}$  red

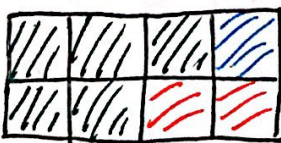


b.  $\frac{1}{2}$  red,  $\frac{1}{4}$  blue, &  $\frac{1}{4}$  yellow



c.  $\frac{5}{8}$  green,  $\frac{1}{4}$  red, &  $\frac{1}{8}$  blue

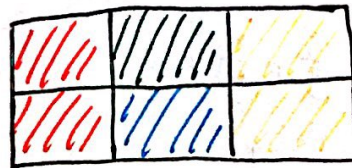
$\frac{2}{8}$



d.  $\frac{1}{3}$  red,  $\frac{1}{6}$  blue,  $\frac{1}{6}$  green, &  $\frac{1}{3}$  yellow

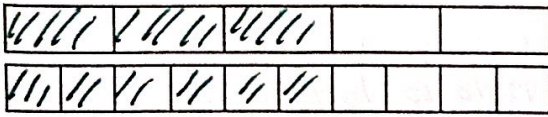
$\frac{2}{6}$

$\frac{2}{6}$

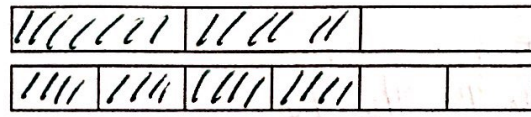


4. Determine which fraction is equivalent to the following by shading in the appropriate boxes.

a. Show that  $\frac{3}{5}$  is equivalent to  $\frac{6}{10}$ .



b. Show that  $\frac{2}{3}$  is equivalent to  $\frac{4}{6}$ .



5. Simplify each fraction using the GCF or Prime Factorization Method.

a.  $\frac{6}{16} \div 2 = \frac{3}{8}$

b.  $\frac{21}{24} \div 3 = \frac{7}{8}$

c.  $\frac{12}{30} \div 6 = \frac{2}{5}$

d.  $\frac{42}{54} \div 6 = \frac{7}{9}$

6. Each year, AHS puts on a talent show to showcase student talent. This year, 36 students are participating. Create a fraction to show what portion of the show is each talent and then simplify your fraction. You will also include what the GCF was for each fraction that you simplified. ©CarnegieLearning

Type of Act	Number of Acts	Portion of Show	GCF	Simplified Portion of Show
Singing	10	10/36	2	5/18
Dancing	9	9/36	9	1/4
Playing an instrument	8	8/36	4	2/9
Lip-synching	4	4/36	4	1/9
Other	5	5/36	none	5/36

7. Convert each fraction to either an improper fraction or mixed number. Make sure your fraction is simplified.

a.  $\frac{21}{6}$   
 3 wholes  
 $\frac{6}{6} + \frac{6}{6} + \frac{6}{6} + \frac{3}{6}$   
 $3\frac{3}{6} = 3\frac{1}{2}$

b.  $2\frac{1}{5}$   
 $\frac{5}{5} + \frac{5}{5} + \frac{1}{5}$   
 $\frac{11}{5}$

c.  $\frac{29}{5}$   
 5 wholes  
 $\frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{4}{5}$   
 $5\frac{4}{5}$

d.  $4\frac{3}{5}$   
 $\frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{3}{5}$   
 $4\frac{3}{5}$