

Name _____ Date ___

Learning Target: I will multiply 4-digit by 1-digit numbers and 2-digit by 2-digit numbers

5th Grade - Readiness Standard 1 - 4.NBT.5- Form A

1. We Do Together: Label, multiply and show.

L abel the pa	ortial lengths if the total	length is 189		Show your thinking using numbers and symbols
7	7 × 100	7×80 560	7 1 9 63	189 x 7 760 63 560 or 560 + 63 + 700
Nultiply to f	ind each partial area			1323 1323

- 2. Reflect: What questions do you have about multiplying a 3-digit number?
- 3. You Do Together: Label, multiply and show.

Label the	partial lengt	ths if the total leng	th is 1896		Show your thinking usi and symbols	ng numbers
,	1000	800	90	6	1896	
	7×100	00877 00	7×90	7×6	<u>x 7</u>	
7	700	0 5600	630	42	7000	42 630
ļ l					630	5 600
					+ 42 +	7000
Multiply t	o find each p	partial area			13272	3272
Label the	partial lengt	hs if the total lengt	Show your thinking usin	ng numbers		
		10	8	_	and symbols	·
		10 × 10	10 x8		18	
			1	1	l v 17	
	10	100	80		<u>x 17</u>	56
	_		80		100	70
	7	100			100	
Multiple	_	7 × 10	8×5 2×8		100 80 or 70	70

Learning Target: I will divide up to a 4-digit by 1-digit number

5th Grade - Readiness Standard 2 - 4.NBT.6 - Form A

1. We Do Together: List, label, think multiply to divide and show.

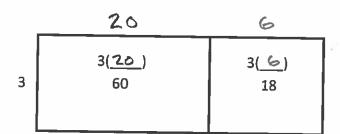
List the multiples of 3

$$3x1 = 3$$
 $3x2 = 6$ $3x3 = 9$

$$3x4 = 12$$
 $3x5 = 15$ $3x6 = 18$

$$3x7 = 21$$
 $3x8 = 24$ $3x9 = 27$

Label the missing lengths



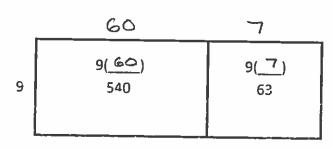
Show your thinking using numbers and symbols

$$\frac{20}{3)78}$$
 $\frac{20}{18}$
 $\frac{18}{0}$

List the multiples of 9

$$9x1 = 9x2 = 189x3 = 27$$

Label the missing lengths



Show your thinking using numbers and symbols

2. Reflect: What questions do you have about dividing a 3-digit number?

Learning Target: I will divide up to a 4-digit by 1-digit number

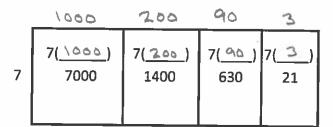
5th Grade - Readiness Standard 2 - 4.NBT.6 - Form A

3. You Do Together: List, label, think multiply to divide and show.

List the multiples of 7

$$7 \times 1 = \frac{7}{7} \quad 7 \times 2 = \frac{14}{7} \quad 7 \times 3 = \frac{21}{7}$$

Label the missing lengths



Show your thinking using numbers and symbols

List the multiples of 8

Label the missing lengths

Show your thinking using numbers and symbols

Learning Target: I will compare fractions with different numerators and different denominators

5th Grade - Readiness Standard 3 - 4.NF.2

Form A

1. We Do Together: Rename, plot and compare.

<	or	>
Less Than		Greater Than

to be regerier Rename, plot and compare.	Less roun Greater inan		
One denominator is a multiple of the other.	One denominator is NOT a multiple of the other.		
Rename one fraction to create common denominators	Rename each fraction to create common denominators		
$\frac{3}{4} = \frac{3 \cdot 2}{4 \cdot 2} = \frac{2}{8} \qquad \frac{5}{8}$	$\frac{2}{3} = \frac{2 \cdot 4}{3 \cdot 4} = \frac{8}{12} \qquad \frac{3}{4} = \frac{3 \cdot 3}{4 \cdot 3} = \frac{9}{12}$		
Label each point on the number line	Label each point on the number line		
0 <u>5</u> <u>3</u> 1	0 2 3 4 1		
Compare using > or <	Compare using > or <		
$\frac{3}{4} > \frac{5}{8}$	$\frac{2}{3}$ $<$ $\frac{3}{4}$		

- 2. Reflect: What questions do you have about comparing fractions?
- 3. You Do Together: Draw, compare and write.

One denominator is a multiple of the other.	One denominator is NOT a multiple of the other.
Rename one fraction to create common denominators	Rename each fraction to create common denominators
$\frac{2}{3} = \frac{2 \cdot 2}{3 \cdot 2} = \frac{4}{6} \qquad \frac{5}{6}$	$\frac{1}{3} = \frac{1 \cdot 4}{3 \cdot 4} = \frac{4}{12} \qquad \frac{1}{4} = \frac{1 \cdot 3}{4 \cdot 3} = \frac{3}{12}$
Label each point on the number line	Label each point on the number line
2 5 1	0 1 1 1 1 1 1 1 1
Compare using > or <	Compare using > or <
$\frac{2}{3} < \frac{5}{6}$	$\frac{1}{3}$ > $\frac{1}{4}$

Learning Target: I will convert between improper fractions and mixed numbers

5th Grade - Readiness Standard 4 - 4.NF.3b - Form A

1. We Do Together: Draw, tell and write.

Draw and label the improper fraction on the number line

17
6
1 2 3 4

Tell how many wholes you see and the equivalent number of 6^{ths}

 $\frac{2}{2}$ Wholes = $\frac{\sqrt{2}}{6}$

Tell the part of the whole

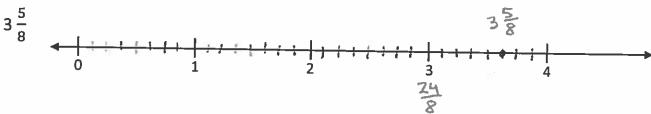
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Write the equivalent mixed number

$$\frac{17}{6} = 2\frac{5}{6}$$

- 2. Reflect: What questions do you have about converting between improper fractions and mixed numbers?
- 3. You Do Together: Draw, tell and write.

Draw and label the mixed number on the number line



Tell how many 8ths equals 3 wholes

Tell the part of the whole

Write the equivalent improper fraction

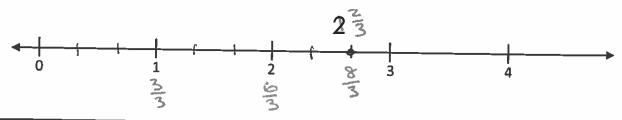
3 Wholes =
$$\frac{24}{8}$$

5

$$3\frac{5}{8} = \frac{29}{8}$$

Draw and label the improper fraction on the number line

8 3



Tell how many wholes you see and the equivalent number of 3^{rds}

$$\frac{2}{3}$$
 Wholes = $\frac{6}{3}$

Tell the part of the whole

$$\frac{2}{3}$$

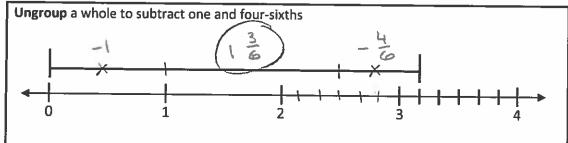
Write the equivalent mixed number

$$\frac{8}{3} = 2\frac{2}{3}$$

Learning Target: I will add and subtract mixed numbers with like denominators

5th Grade - Readiness Standard 5 - 4.NF.3c - Form A

1. We Do Together: Draw, ungroup and show.



Show how you subtracted

26

<u>₹</u>6

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

13 or 12

3-1 = 1

Tell what you ungrouped and the equivalent mixed number

2. Reflect: What questions do you have about subtracting mixed numbers?

1 Whole =
$$\frac{6}{6}$$

$$3\frac{1}{6} = 2\frac{7}{6}$$

3. You Do Together: Draw, tell and show.

Ungroup a whole to subtract one and three-fourths

2 4

0 1 2 3 4

Show how you subtracted

3 4

Á

 $-1\frac{3}{4}$

7 7

Tell what you ungrouped and the equivalent mixed number

1 Whole =
$$\frac{4}{4}$$

$$4 \cdot \frac{0}{4} = 3 \frac{4}{4}$$

Draw one and five-sixths plus one and three-sixths by adding the whole numbers first

Show how you added

 $1\frac{5}{6}$ $+ 1\frac{3}{6}$

Tell what you grouped and the equivalent mixed number

$$\frac{6}{6} = 1 \text{ Whole}$$

$$\frac{5}{6} + \frac{3}{6} = \frac{8}{6} = 1 \frac{2}{6}$$

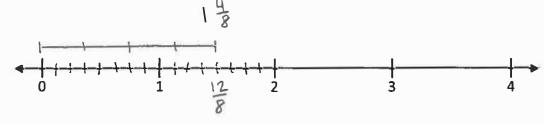
Learning Target: I will multiply a whole number by a fraction

5th Grade - Readiness Standard 6 - 4.NF.4b - Form A

1. We Do Together: Draw, add and multiply.

Draw four groups of three-eighths

$$4 \times \frac{3}{8}$$



Add to find the total

$$4 \times \frac{3}{8} = \frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8} = \frac{12}{8} =$$

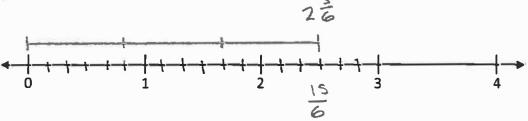
Multiply to find the total as a mixed number

$$\frac{4}{1} \times \frac{3}{8} = \frac{12}{8} = |\frac{4}{8}| \text{ or } |\frac{1}{2}|$$

- 2. Reflect: What questions do you have about multiplying a whole number by a fraction?
- 3. You Do Together: Draw, add and multiply.

Draw three groups of five-sixths

$$3 \times \frac{5}{6}$$



Add to find the total

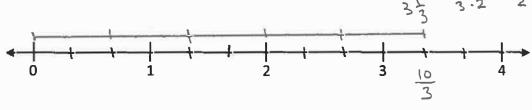
$$3 \times \frac{5}{6} = \frac{5}{6} + \frac{5}{6} + \frac{5}{6} = \frac{15}{6}$$

Multiply to find the total as a mixed number

$$\frac{3}{1} \times \frac{5}{6} = \frac{15}{6} = \frac{3}{6} = \frac{3}{6} = \frac{3}{2}$$

Draw five groups of two-thirds

$$5 \times \frac{2}{3}$$



Add to find the total

$$5 \times \frac{2}{3} = \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} = \frac{10}{3} = \frac{5}{1} \times \frac{2}{3} = \frac{10}{3} = 3\frac{1}{3}$$

Multiply to find the total as a mixed number

$$\frac{5}{1} \times \frac{2}{3} = \frac{10}{3} = 3\frac{1}{3}$$