Name: _____

Grade 4

Number Sense & Numeration: Introduction to Proper Fractions

Don't forget to play the game, **Fraction Fun**, first! Go to mathfrog.ca for the link.

1. Write the denominator of each fraction. Part a) has been done for you.

a) $\frac{2}{7}$ b) $\frac{1}{2}$ c) $\frac{3}{4}$ d) $\frac{0}{9}$ e) $\frac{5}{11}$ f) $\frac{16}{29}$

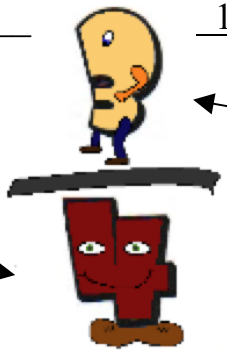
7 ____ ____ ____ ____ ____

2. Write the numerator of each fraction. Part a) has been done for you.

a) $\frac{1}{3}$ b) $\frac{4}{5}$ c) $\frac{8}{10}$ d) $\frac{7}{9}$ e) $\frac{0}{8}$ f) $\frac{5}{17}$

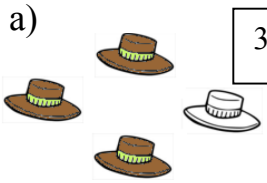
1 ____ ____ ____ ____ ____

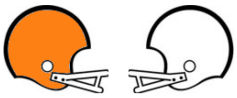
The denominator is the number below the line. It tells the total number of parts in the whole.



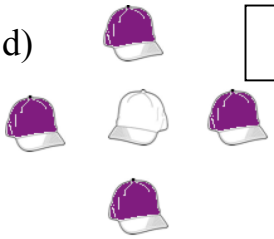
The numerator is the number above the line. It tells the number of parts being used.

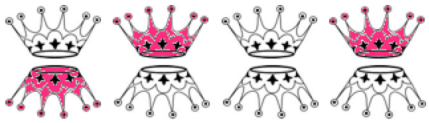
3. Write the number of shaded hats in each box. Part a) has been done for you.

a)  3

b)  ☐

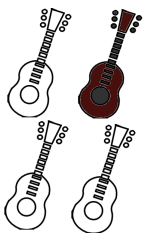
c)  ☐

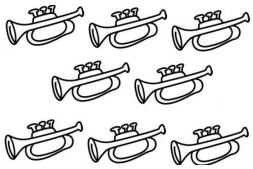
d)  ☐

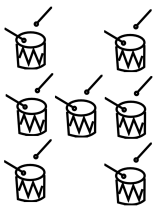
e)  ☐

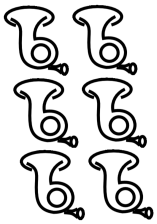
These numbers are called the _____ of the fraction.

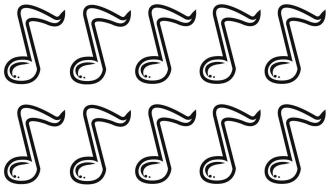
4. Shade the given fraction of each picture. Part a) has been done for you.

a) $\frac{1}{4}$ 

b) $\frac{5}{8}$ 

c) $\frac{3}{7}$ 

d) $\frac{4}{6}$ 

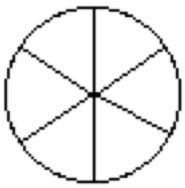
e) $\frac{7}{10}$ 

Interesting Fact

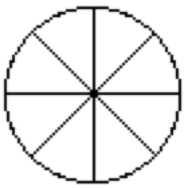
A 'jiffy' is an actual unit of time equal to $\frac{1}{100}$th of a second.

Expectations: i) represent fractions; ii) explain the meaning of the denominator and the numerator; iii)compare and order fractions

5. Shade the given fraction of each picture.



$\frac{2}{6}$



$\frac{4}{8}$

a) Which picture has more shaded space?

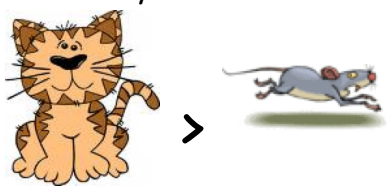
_____

b) Circle the phrase which finishes the sentence correctly.

$\frac{2}{6}$ is smaller than / equal to / larger than $\frac{4}{8}$.

6. Write a fraction which describes each shaded area. Decide which fraction is larger. Part a) has been done for you. (Hint: Review question 5)

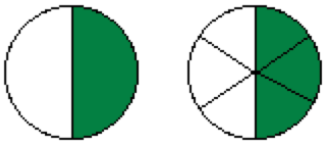
'<' means *less than*
'>' means *greater than*
'=' means *equal to*



a)

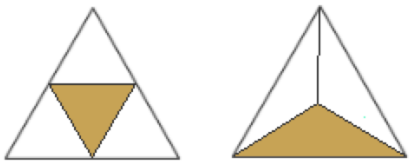
$\frac{4}{10} < \frac{3}{7}$

b)



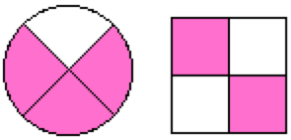
_____ __ _____

c)



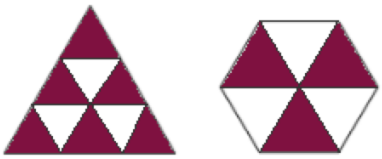
_____ ___ _____

d)



_____ ___ _____

e)



_____ __ _____

7. Erin likes Smarties. She has 8 red, 2 blue, 5 green, and 3 yellow smarties.

a) How many smarties does Erin have? _____

b) What fraction of her smarties are yellow?_____

c) Erin eats 3 red smarties. What fraction of her remaining smarties are not green?_____

TRY THIS!

Riddle: What did the zero say to the eight?

Circle the letter under the smaller fraction. Print the circled letters in order to solve the riddle.

$\frac{2}{2}$	$\frac{7}{55}$	$\frac{3}{9}$	$\frac{5}{9}$	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{5}{10}$	$\frac{1}{5}$	$\frac{2}{9}$	$\frac{4}{8}$	$\frac{6}{7}$	$\frac{2}{2}$	$\frac{2}{15}$	$\frac{2}{5}$	$\frac{0}{100}$	$\frac{7}{55}$
T	N	I	R	C	Y	A	E	B	G	E	A	L	I	T	N

Answer: __ __ __ __ __ __ __ __ .

Expectations: i) represent fractions; ii) explain the meaning of the denominator and the numerator; iii)compare and order fractions