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

MONROE #1 BOCES COMICS

FRACTION HERO

CRIME FIGHTER'S WORKBOOK

$\frac{1}{2}$

THIS ACTION-PACKED
ACTIVITY BOOKLET
BELONGS TO:

_____

YOUR NAME HERE

0 714860 02198

A MESSAGE FROM

FRACTION HERO

HEY KIDS! IT'S TIME FOR FRACTION ACTION!

MY NAME IS FRACTION HERO, AND I'M HERE TO HELP YOU LEARN ABOUT FRACTIONS! WE WILL HAVE A LOT OF FUN, AND A LOT OF LAUGHS. SO DON'T BE AFRAID TO TAKE A CHANCE ON FRACTIONS!

THIS WORKBOOK IS FOR YOU TO WRITE IN. MATH IS EASY WHEN YOU WRITE OUT IDEAS AND DRAW LOTS OF PICTURES. IT IS OKAY TO MAKE MISTAKES, SO DON'T HOLD BACK!

TOGETHER, WE WILL DEFEAT EVIL, AND CONQUER MATH LIKE TRUE HEROES!

YOUR FRIEND,

Fraction Hero

FRACTION HERO'S AMAZING FRACTION STRIPS!

USE SCISSORS TO CAREFULLY CUT OUT THESE STRIPS. FOLD THEM AS DIRECTED BY YOUR TEACHER.
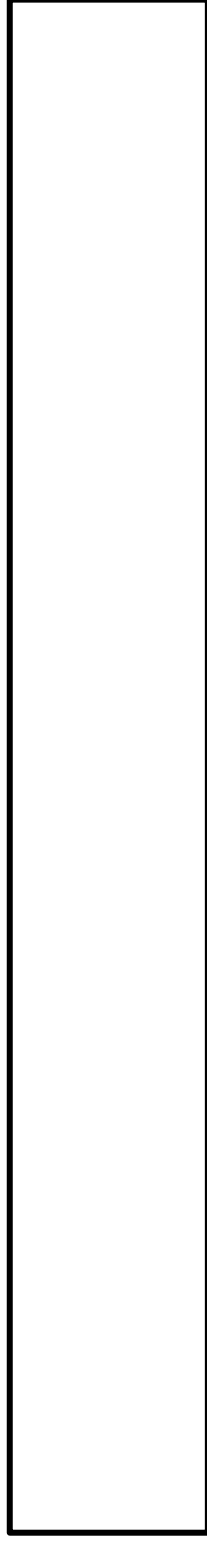
CAREFUL WITH THOSE SCISSORS, KIDS!
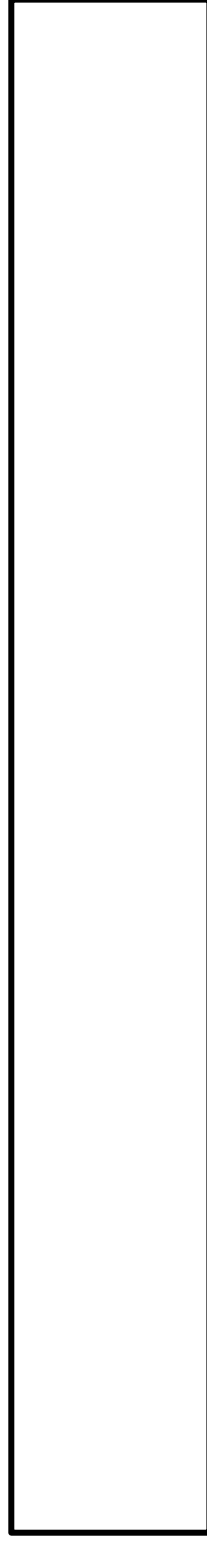
Which is Bigger?

BELOW ARE TWO CANDY BARS.

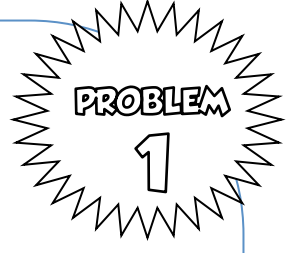DRAW LINES TO DIVIDE ONE INTO FOURTHS AND THE OTHER INTO THIRDS.

FOURTHS

$\frac{1}{4}$

THIRDS

$\frac{1}{3}$

Which is bigger: $\frac{1}{4}$ (One-Fourth) or $\frac{1}{3}$ (one-THIRD) ? _____

CAKE FRACTION BAR

BELOW IS A FRACTIN BAR TO REPRESENT THE CAKE, SLICED INTO 6 PIECES. DIVIDE IT INTO 6 EQUAL PIECES, AND SHADE IN THE AMOUNT TO SHOW HOW MUCH OF THE CAKE WAS EATEN.
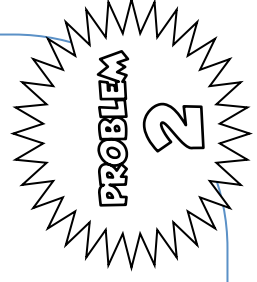
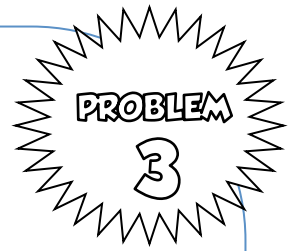WHAT IS THE TOTAL NUMBER OF EQUAL PARTS? _____

WHAT IS THE TOTAL NUMBER OF SHADED EQUAL PARTS? _____

WHAT IS THE UNIT FRACTION? _____
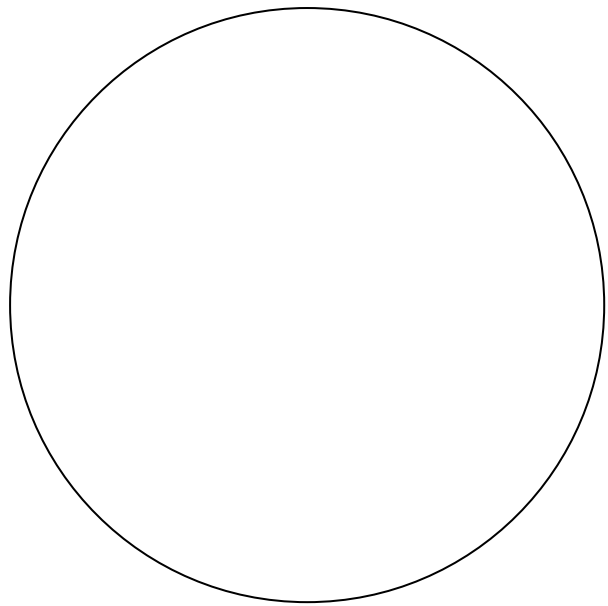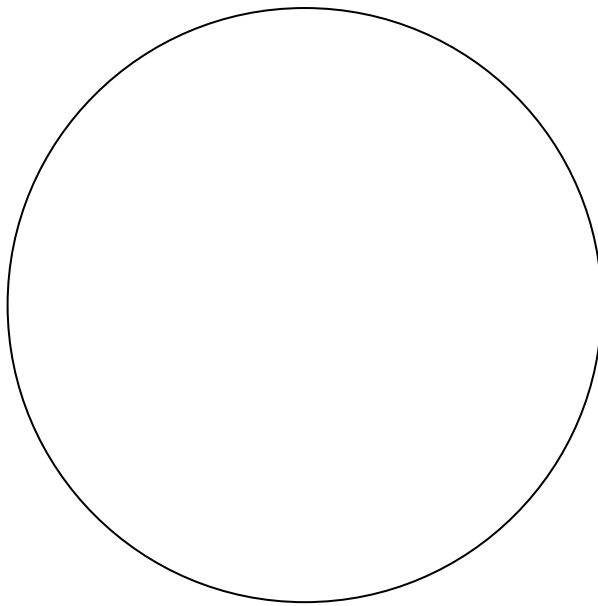
HOW MUCH CAKE WAS EATEN? _____

HOW MUCH CAKE WAS UNEATEN? _____

2

Would You Rather

USE YOUR PENCIL TO DIVIDE ONE CAKE INTO <u>SIXTHS</u> AND ONE CAKE INTO <u>EIGHTHS</u>.
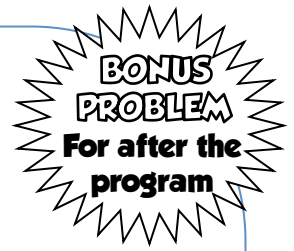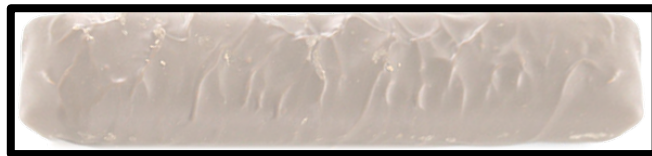
WHICH SLICES ARE BIGGER?

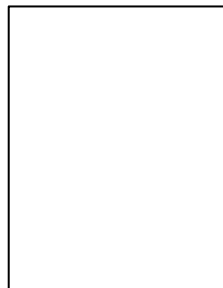I WOULD RATHER HAVE A _____

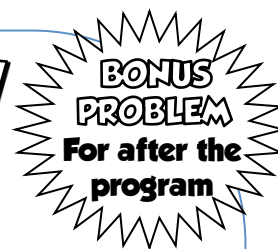BECAUSE _____.

How can I share 1 candy bar among 4 friends?

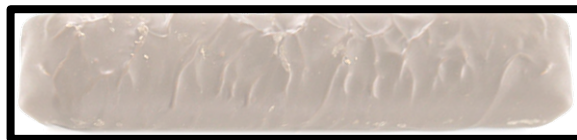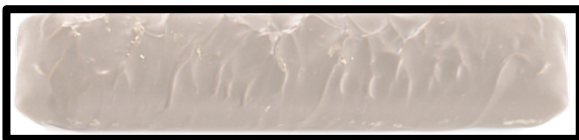DRAW A PICTURE OR WRITE A SENTENCE OF WHAT YOU THINK MIGHT WORK.

WHAT IS THE UNIT FRACTION?

How can I share 3 candy bars among 4 friends?

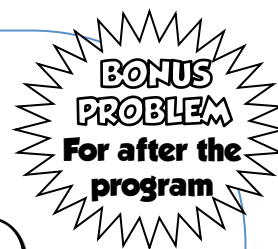DRAW A PICTURE OF WHAT YOU THINK MIGHT WORK.

HOW MUCH DOES EACH PERSON GET?

HINT: EVERY FRACTION IS JUST A DIVISION PROBLEM!

WRITE SENTENCES OF WHAT YOU WOULD DO TO FAIRLY
SHARE 3 CANDY BARS AMONG 4 FRIENDS.

_____

_____

_____

_____

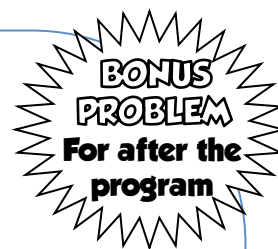_____

5

Draw a NUMBER BOND

A NUMBER BOND IS A DRAWING OF CIRCLES AND LINES THAT SHOW HOW A WHOLE IS DIVIDED INTO FRACTIONS.

DRAW A NUMBER BOND FOR A CANDY BAR THAT IS EQUALLY DIVIDED INTO 10 PIECES. THE FIRST CIRCLE IS DRAWN FOR YOU. LABEL THE UNIT FRACTIONS.

1
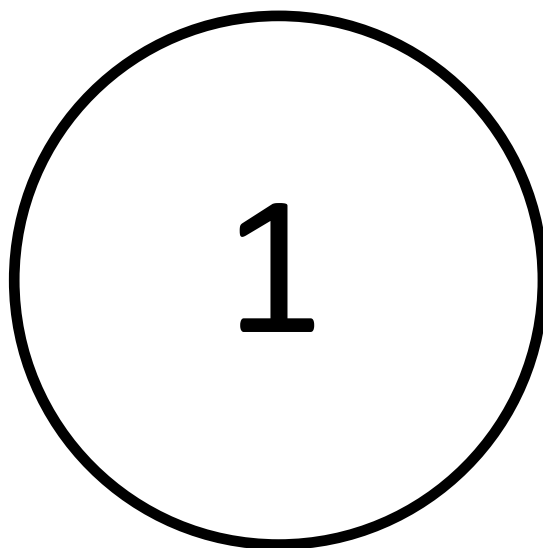
Andre's Cake

ANDRE THINKS ITS STRANGE THAT 1/8 OF A CAKE WOULD BE LESS THAN 1/6 OF THE CAKE, SINCE EIGHT IS BIGGER THAN SIX. TO EXPLAIN TO ANDRE, HERE ARE 2 IDENTICAL RECTANGLES TO STAND FOR THE CAKES.
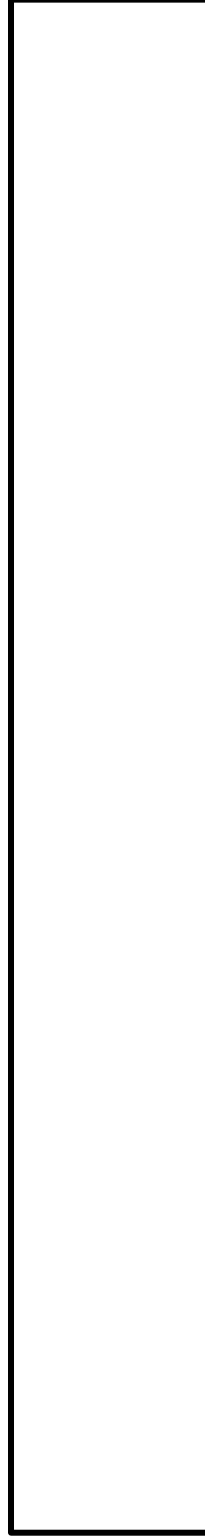
CAKE 1: DIVIDE INTO SIXTHS

CAKE 2: DIVIDE INTO EIGHTHS

SHOW _1 EIGHTH_ SHADED ON ONE AND _1 SIXTH_ SHADED ON THE OTHER. LABEL THE UNIT FRACTIONS AND SHOW ANDRE WHICH SLICE IS BIGGER.
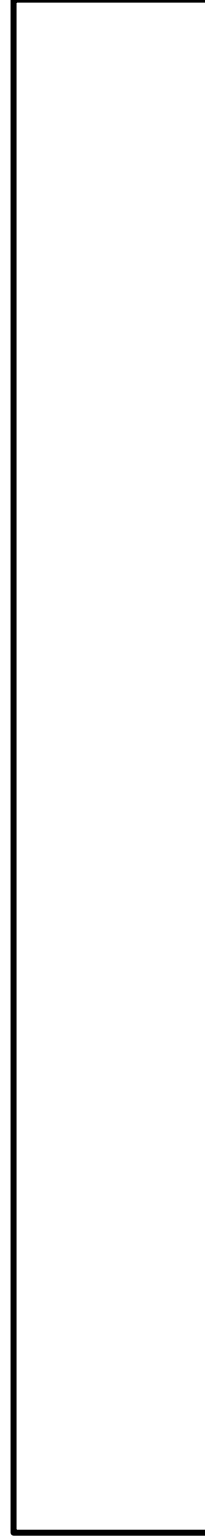
Andre's Cake
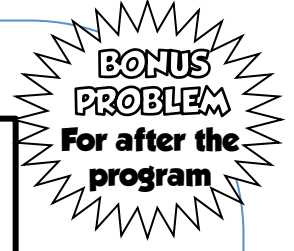
BELOW ARE TWO FRACTION BARS, REPRESENTING TWO CAKES.

DRAW LINES TO DIVIDE ONE INTO EIGHTHS AND THE OTHER INTO SIXTHS. WHICH IS BIGGER: ONE-EIGHTH OR ONE-SIXTH?
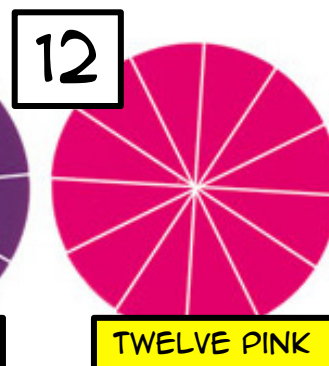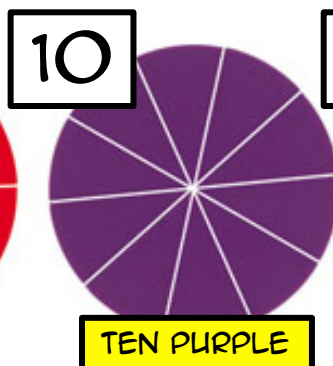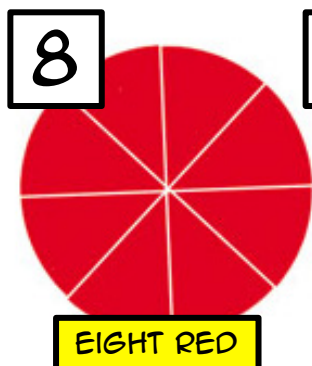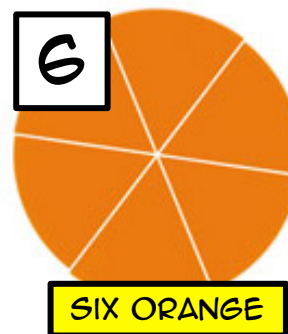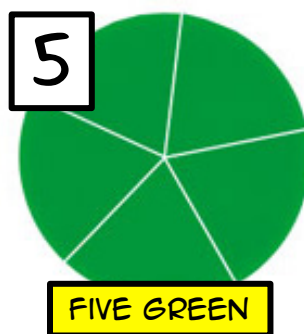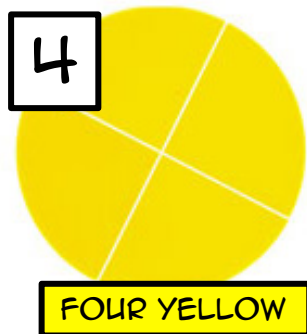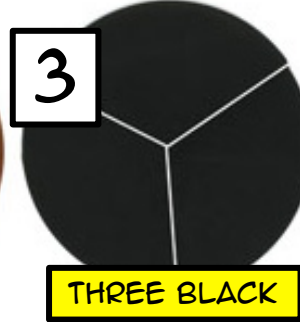
EIGHTHS

SIXTHS

8

CLEAN UP!

HEY KIDS! THESE KITS SURE ARE NICE! LET'S BE GOOD CITIZENS AND CLEAN THEM UP BEFORE YOUR TEACHER SENDS THEM BACK! PLEASE COUNT UP YOUR TILES AND MAKE SURE YOU HAVE THEM ALL. TELL YOUR TEACHER IF YOU ARE MISSING ANY.

PLEASE DO THIS When finished with kit!

1 — ONE BLUE

2 — TWO BROWN

3 — THREE BLACK

4 — FOUR YELLOW

5 — FIVE GREEN

6 — SIX ORANGE

8 — EIGHT RED

10 — TEN PURPLE

12 — TWELVE PINK

1+2+3+4+5+6+8+10+12 =

51 TOTAL PIECES