Bloomsm4th

Makes Maths Fun

Level 1

Multiplication & Division

Bloomsmath is a comprehensive mathematics program which provides a fun way for every student to be learning to the best of their ability.

By Rachel McCann (B.Teach; B.Ed Hons; M.ED (Special Ed.)

BLOOMSM4TH

Makes Maths Fun

Also Available in the Level 1 Program

Whole Number
Addition
Subtraction
Fractions & Decimals
Probability
Patterns & Algebra
Data
Length
Area
Volume
Mass
Time
3D Shape
2D shape
Position

BLOOMSM4TH
Makes Maths Fun

Level 1

Multiplication & Division

Level 1 is designed for students in their first year at school. The Multiplication & Division strand allows students to group, share and record collections of objects.

Knowledge: Students count the stars which have been divided into varying groups and then draw stars in the given sets to learn how to group and share objects using 1 to 1 counting.

Students who demonstrate proficiency in this activity move on to Comprehension.

STOP Students stop here as they require additional teacher support to master this activity.

Comprehension: Students use the stars and varying sets provided to find all 8 factors for the number 24.

Students who demonstrate proficiency in this activity move on to Application.

STOP Students stop here if time has run out or they require additional support with this activity.

Application: Students use the groups of stars to identify fair and unfair groupings based on number of stars and the size of the stars in each set.

Students who demonstrate proficiency in this activity move on to Analysis.

STOP Students stop here if time has run out or they require additional support with this activity.

Analysis: Students must share a varying number of stars among differing numbers of sets each time making fair groups of stars.

Students who demonstrate proficiency in this activity move on to Synthesis.

STOP Students stop here if time has run out or they require additional support with this activity.

Synthesis: Students use a 1, 2, 3 and a regular die to produce the number of sets and stars and number of stars in each set and practice 1 to 1 counting to record this information in simple multiplication groupings.

Evaluation: Suggested questions and activities provide a starting point for discussions related to Multiplication & Division such as charting all the factor of 24.

Students may complete more or fewer activities for each learning outcome depending on the time allocated and their strength in the area being covered.

All students should participate in the Evaluation discussion to encourage the use of mathematical language, logical reasoning and reflection on that which they have completed.

Name: _____

Groups And Sets

Count the stars to answer the question

5 groups of 4 = _____

Draw 5 sets of 3 stars below - 5 sets of 3 = _____

Count the stars to answer the question

7 groups of 3 = _____

Draw 8 sets of 2 stars below - 8 sets of 2 = _____
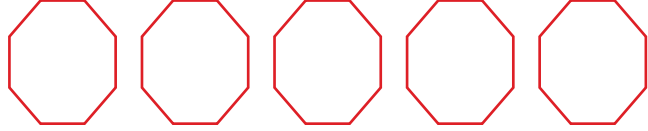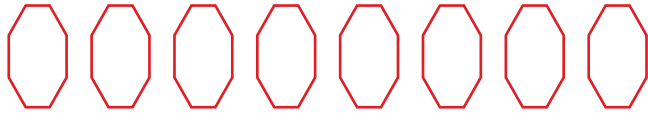

Count the stars to answer the question

3 groups of 6 = _____

Draw 5 sets of 5 stars below - 5 sets of 5 = _____
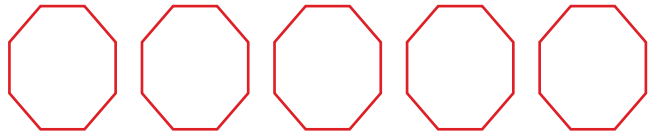
Draw 2 sets of 7 stars below - 2 sets of 7 = _____

Count the stars to answer the question

6 groups of 4 = _____

Draw 4 sets of 6 stars below - 4 sets of 6 = _____

Let's Try This Again
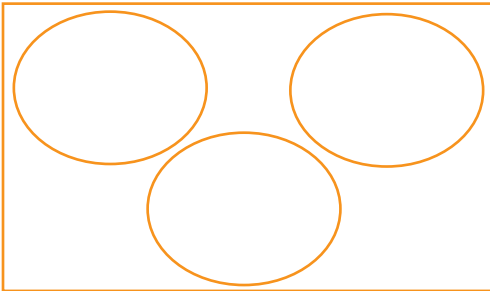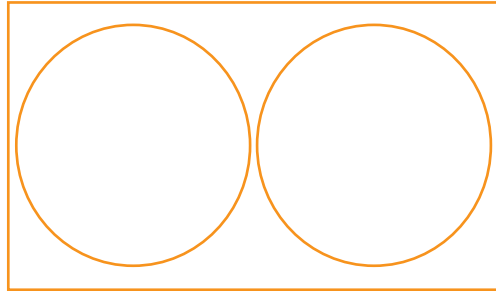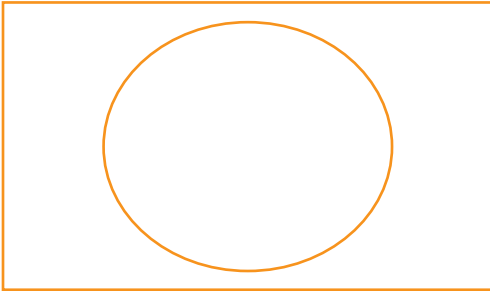
Progress To Comprehension

MD 1 KN

Name: _____

Let's Break It Down

Use the circles below to divide the 24 stars into 8 different groupings.

★★★★★★★★★★★★★★★★★★★★★★★★

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

BLOOMSM4TH
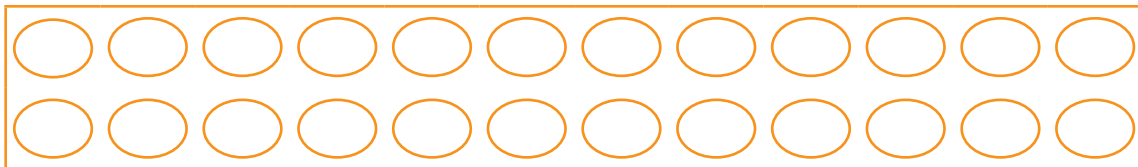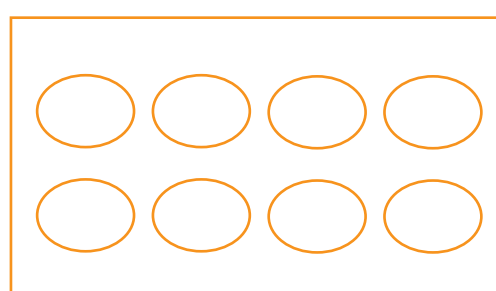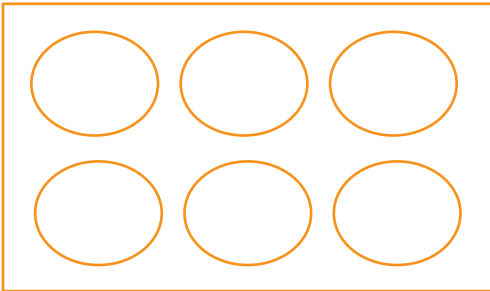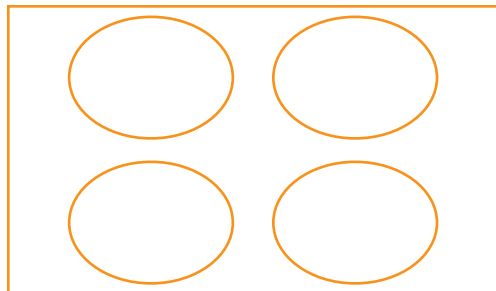
Let's Try This Again   Progress To Application

MD 1 CP

Name: _____

Fair Or Unfair

In a fair group every set is equal. Choose whether these sets are fair or unfair.
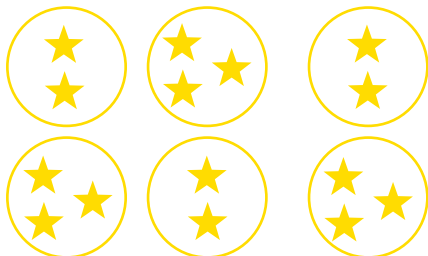
Fair or Unfair

Fair or Unfair

Fair or Unfair

Fair or Unfair

Fair or Unfair

Fair or Unfair

Fair or Unfair

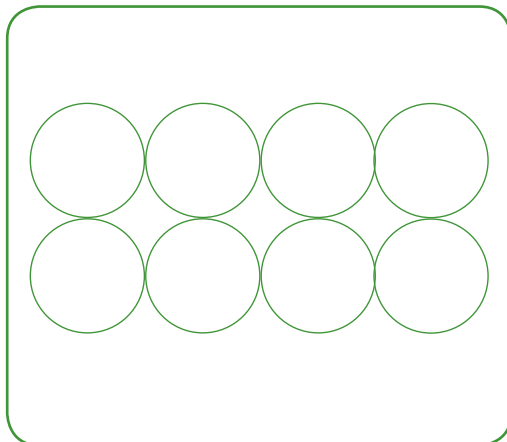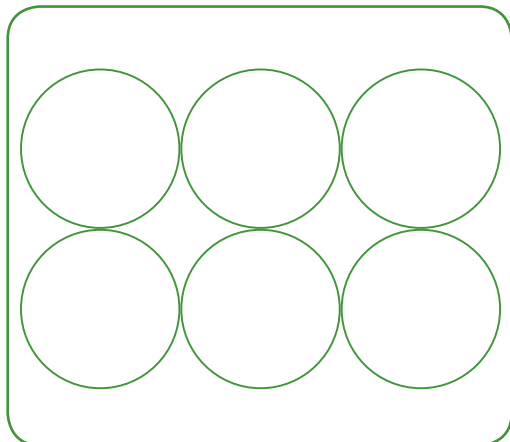Fair or Unfair

Let's Try This Again

Progress To Analysis

MD 1 AP

Multiplication & Division - Level 1 - Students will group, share and record collections of objects.

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

BLOOMSMATH
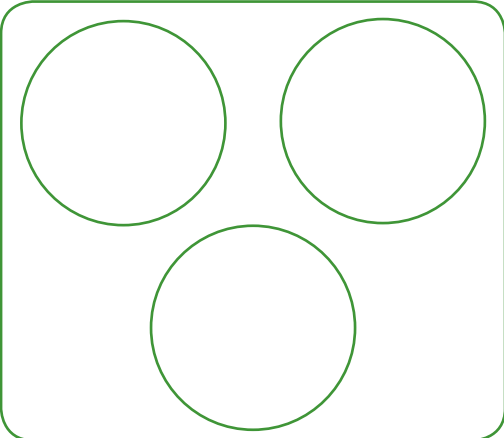
Name: _____

We All Need A Fair Share

Share the stars evenly amongst the sets.

★★★★★★★★★★★★★★★★

★★★★★★★★★★

★★★★★★★★★★★★★★★★

★★★★★★★★★★

★★★★★★★★★★★★★★★★

★★★★★★★★★★
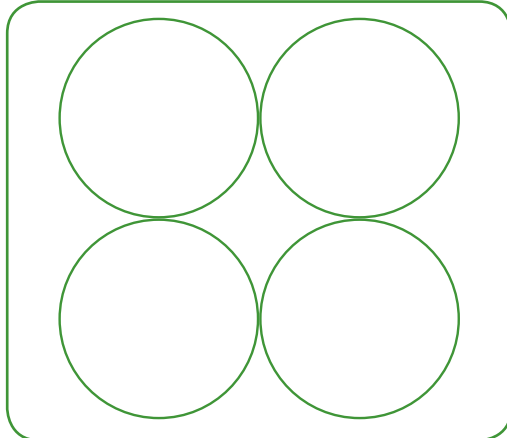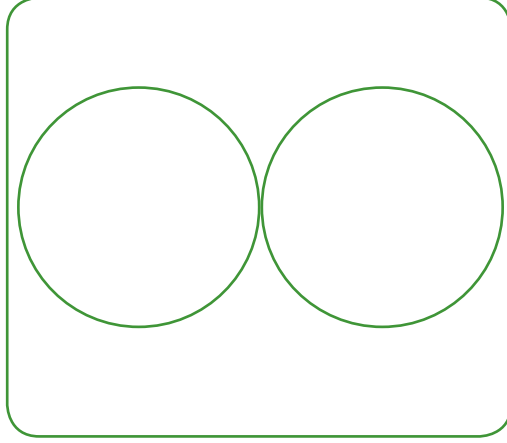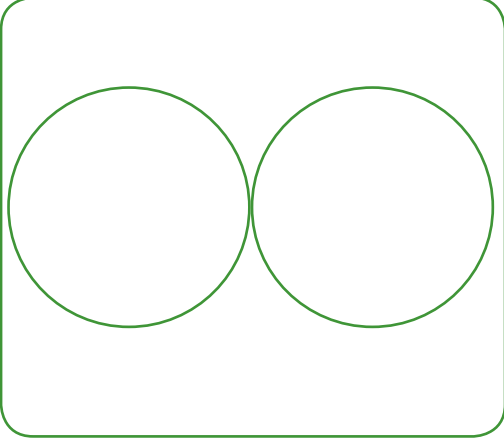
🌼 Let's Try This Again   🐞 Progress To Synthesis

MD 1 AN

Name: _____

Sets And Totals

You Need:
A dice with the numbers 1, 2 and 3.

A normal dice with 1 to 6 on it.

The Game:
Roll both dice to produce the number of stars in each set and the total number

of sets of stars. Fill these in below with star and numbers.

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

_____ sets of _____ =

Let's Try This Again
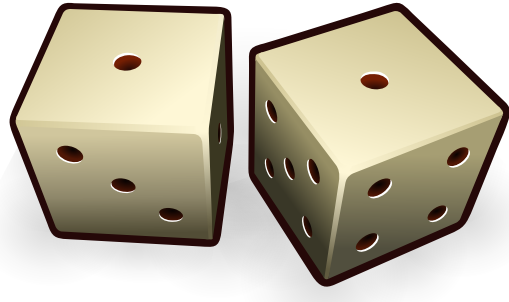
Progress To Evaluation

MD 1 SS

Multiplication & Division - Level 1 - Students will group, share and record collections of objects.

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

BLOOMSMATH

Multiplication & Division Evaluation

The following activities and ideas are provide as a starting point for fun discussions related to Multiplication and Division. During these conversations students will have an opportunity to use appropriate mathematical language in its correct context, to engage in reflection on the Multiplication and Division activities they have completed and to use logical reasoning to tie their in-class mathematics to its everyday context.

Chart all the factors of 24 ie. 1, 2, 3, 4, 6, 8, 12 and 24 and discuss the fact that when listing factors a number is only ever listed once and is recorded from smallest to largest.

Chart all 18 groupings possible when using a 1, 2, 3 and 1 to 6 dice ie. 1x1; 2x1; 3x1; 4x1; 5x1; 6x1; 1x2; 2x2; 3x2; 4x2; 5x2; 6x2; 1x3; 2x3; 3x3; 4x3; 5x3; 6x3 and point out the common factor sets ie, 2x1 and 1x2; 3x1 and 1x3; 2x3 and 3x2. Avoid identical answer sets ie. 2x3 and 1x6 or 1x4 and 2x2 as these are quite a different thing.

Discuss the concept of a fair share and whether a cake should be divided based on the size of the recipients or the number of people receiving a slice of cake.

Multiplication & Division - Level 1 - Students will group, share and record collections of objects.

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

BLOOM4MATH

MD 1 EV