

Mathematics Assignment

Concept Map: Year-In-Review

Your Mission:

As we discussed in class, concept mapping includes selecting terms, ranking concepts, arranging concepts in groups, and linking concepts according to an understanding procedure.

Resource Tool To Complete the Task:

> You can draw your concept map by hand, or use "bubbl.us", Excel, or other diagramming software.

Just Remember:

> Your concept map should include nodes for each of the terms, appropriate connectors, and labels for each connector.

In this activity, you will create a concept map that diagrams the relationships within each individual unit using the following ideas:

Unit: Number

(Textbook Chapter Reference: 2,3,6,7, and 9)

- 1. Place value
- 2. Solve problems involving whole numbers and decimal numbers
- 3. Common factors [CF] and Common multiples [CM]
- 4. Solve problems involving prime and composite numbers
- 5. Relate improper fractions to mixed numbers and mixed numbers to improper fractions
- 6. Give an example using concretely, pictorially and symbolically of: Ratio, percent, and integers
- 7. Order of operations

Unit: Shape and Space

(Textbook Chapter Reference: 5,11, and 8)

- 1. An understanding of angles by:
- classifying angles according to their measure;
- estimating the measure of angles, using 45°, 90° and 180° as reference angles;
- drawing and labelling angles when the measure is specified.
- 2. The sum of interior angles is:
- 180° in a triangle;
- 360° in a quadrilateral.
- 3. Apply a formula for determining the:
- perimeter of polygons;
- area of rectangles;
- volume of right rectangular prisms.
- 4. Compare triangles, including:
- scalene, isosceles, equilateral, right, obtuse and acute in different orientations.
- 5. Compare the sides and angles of regular and irregular polygons.
- Draw and describe the combination image of translations, rotations and/or reflections on a single 2-D shape
- 7. Plot points in the first quadrant of a Cartesian plane, using whole number ordered pairs

Unit: Patterns and Relations

(Textbook Chapter Reference: 1)

- Describe patterns and relationships, using graphs and tables
- 2. Relationships within tables of values to solve problems
- 3. Express a given problem as an equation in which a letter variable

Unit: Statistics and Probability

(Textbook Chapter Reference: 4 and 10)

- Create, label and interpret line graphs to draw conclusions.
- Justify and use appropriate methods of collecting data, including:
- questionnaires, experiments, databases and electronic media
- 3. An understanding of probability by:
- identifying all possible outcomes of a probability experiment
- differentiating between experimental and theoretical probability
- determining the theoretical probability of outcomes in a probability experiment
- determining the experimental probability of outcomes in a probability experiment
- comparing experimental results with the theoretical probability for an experiment.

Enjoy the process and see where it takes you!

Greater Island
Grade 6

RUBRICS FOR CONCEPT MAP

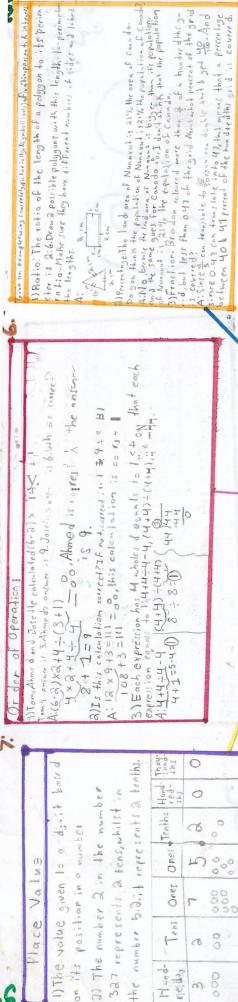
Date:	/ /	/	(dd/	mm/	yyyy)

Subject: Math// Unit: All Strands; Term: • 2

Name:	Assessn	nent type: D • F S	Overall: Mark//Level:jI; Class Average: Parent Signature:			
Level	Excellent Level4	Proficient Leve13 79% 72% 65%	Adequate Level2	Limited* Level 1	Insufficient/ Blank*	
Organization (_/2)	 Well organized Logical format Contains main concepts Contains an appropriate number of concepts Follows standard map conventions 	 Thoughtfully organized Easy to follow most of the time Contains most of the main concepts Contains an adequate number of concepts Follows the standard map conventions 	Somewhat organized Somewhat incoherent Contains only a few of the main concepts	Choppy and confusing Contains a limited number of concepts	No score is awarded because there is insufficient evidence of student performance based on the requirements of the assessment task.	
Content	Linking words demonstrate superior conceptual understanding Links are precisely labeled	 Linking words easy to follow but at times ideas unclear Links are not precisely labeled 	Linking words are clear but present a flawed rationale Links are not labeled	Difficult to follow No links		
Days Late	0	I 1	I 2	I 3++	Not Hand In	

Teacher's Comments - Area for Growth and Action Plans (if below "level 2"):

□ Please use the given time in the classroom wisely by asking questions to further clarify the assignment or focus on the task at hand. Also, you need to follow the sample work shown in the class (if applicable) as a guideline to achieve level 3 in this rubric.



A: 18+354 and 15+35 5. 11.3 is closer to 14. 3.

each person get?

3) How do you phose this statement is try. 9x4.83 is more than 36 but less than 45.

38007 = 00, the otons statement is true

Solving problems including whole & decimal animbers 1) Georgia & her Friends are making costumes for

240

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m 0

19CE

a neighbourhood street Festival. They divided 11.3 m of abric among 3 prople. About how much Fabric did

a) What are the First 4 multiples of 3? 1) I dentify all the factors of 29

A: 3,6,9,12(3x4=12)

3) What factors of 48 can you identify from malliples of early 4. factor tree at the right? A: 3,3,8,34,48 4) List the First 5

4)40 40,80,

a pack of gum every week. Can you

model to show how much gum Sonja chews in 41 weeks? Write our answer as an improper fraction and a mixed number. [A Tart] Improper Freetion: 3 Mixed aumber: 13

A denominator like 3 or 7 is equal to 1. If the numeretor so greater than the denominator then the fraction is greater ton 1. For the denominator. A Fraction that has the same numerator A) Why is an improper fraction greater than 1? A: An improper fraction has a numerator that is greater

Styley con you write \$ > 4 so \$ > 1. 17 You can break up the improper Fraction into wholes & parts. or example \$23 thirds +3 thirds +3 thirds +3 thirds +3 thirds . You can broak up the in

6 1 the state of the first of

OCarrie says, "I can multiply the Factors 2,3,5, 41

Oo, Corrie is not correct since the sum of 2,3,5 & I multiplied osether is more than Al. A: 3+3+5+7 / alo : ...

"I can multiply the State Dair I wire both Factors more than once."
Is all convect?
At 31 convect? 2x3x3x3x2 00, Ali is correct because 2x3x2x

Ad the process are this 3) Which Foctors are missing from the Factor min A: 4 x 23 = 88,50 4) List the First 5 " 3x2=72.

10 E

