Grade 5 to 6 Transition Worksheets:

All Strands Covering the Alberta Curriculum

Student Name: _ _ _ _ _ _ _ _

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

I have read and went over this document with my child that will be cover during the first **TWO weeks** of school in September.

JazakAllahu khayran!

_____ Parent/Guardian name (print)

_____ Parent/Guardian signature

__/__/____ (**dd/mm/yyyy**)

DATA ANALYSIS /11

- **Determine the difference between first-hand and second-hand data**
- **Create and understand double bar graphs**

1. Read the following situations. Circle if they are first-hand or second-hand data:

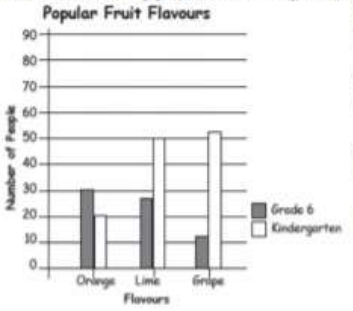
A) First-hand or Second-hand? Jen observes her cat for a week and records the amount of food she eats.

B) First-hand or Second-hand? Abraham googles and records the population of the largest cities in Canada.

C) First-hand or Second-hand? Jayden asks his friend Mark to poll his family on their favourite ice creams, and Jayden later records Mark's findings.

/3

2. Look at the following graph and answering the questions:



a. How many more Gr. 6's chose orange than Kindergarten? _____

b. What was the most popular fruit flavor for kindergarten? _____

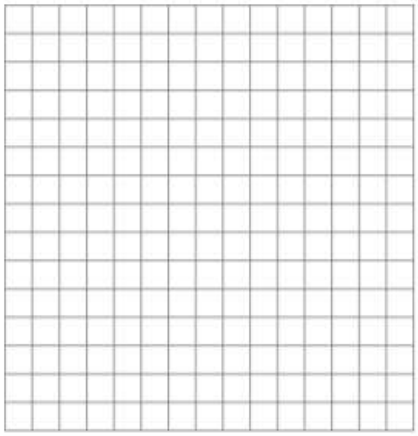
c. What was the most popular fruit flavor for Gr 6 kids? _____

d. What was the most popular flavor overall? _____

/4

3. NEATLY GRAPH the data that follows. Include a title, legend, intervals, and x and y axis labels.

	Girls	Boys
Chocolate chip	5	4
Peanut butter	3	6
Oatmeal raisin	6	2
Macadamia nut	7	1



What is one conclusion that you can come up with from this graph?

_____

_____

/6

CHANCE AND UNCERTAINTY /8

- **Describe the likelihood of a single outcome occurring**
- **Compare the likelihood of two possible outcomes**

1. Classify the following events using the term that fits best from "possible, impossible, and certain."

a. A classmate will be absent from school tomorrow. _____
b. I will use the washroom sometime today. _____
c. My pencil will come alive and talk to me. _____
d. We will have at least once recess today. _____
e. My teacher will white wear socks tomorrow. _____

/5

2. There are 12 shapes in a bag. Draw 12 shapes to fill this bag so that:

- picking a ■ is **less likely** than picking a ♥
- picking a ▲ is **more likely** than picking a ♥
- picking a ☾ or a ♥ is **equally likely**

/3

STRAND NUMBER PART 1

/16

- **Represent numbers to 1 000 000**

1. Write the **value** (what is it worth) of the underlined digit in each number.

a. 7<u>8</u>2 902 _____ b. <u>2</u>89 920 _____

c. 2 89<u>2</u> 838 _____ d. 29 4<u>6</u>2 _____

/4

2. Write each number in expanded form:

a. 122 893 _____

b. 507 028 _____

/2

3. Write each number in standard form:

a. 200 000 + 40 000 + 5 000 + 700 + 40 + 9 _____

b. 700 000 + 20 000 + 600 + 80 _____

/2

4. Write each number in standard form:

a. One hundred twenty thousand nine hundred sixty-nine _____

b. Three hundred fifteen thousand eight _____

/2

5. Write the following numbers in words:

a. 348 910 _____

_____

b. 520 016 _____

_____

/2

6. Order these numbers from **greatest to least**:

621 035 606 583 623 004 60 795

_____, _____, _____, _____

/2

7. Circle the number with the least value out of each set:

a. 587 397 98 287 519 810 b. 458 182 453 999 457 182

/2

PATTERNS AND RELATIONS

/8

- **Determine the pattern rule to make predictions**
- **Express a given problem as an equation with a variable**
- **Solve problems with variables**

1. **Extend each of the following patterns and write the pattern rule:**

1, 6, 11, 16, _____, _____

Describe **the pattern in words:** _____

Pattern rule **expression with variable:** _____

/3

2. Auggie kept all of the gold stars that he earned in one week at school. Below shows how many he received each day.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
★	★★	★★	★★
		★★	★★
			★★
			★★

a. NEATLY **put the information into the table below.**

DAY	STARS RECEIVED
Monday	

b. Describe the **pattern in words:** _____

c. Describe the pattern with a **pattern rule expression:** _____

d. If he continues getting stars at the same rate, **how many will he have on Friday?** _____

/5

STRAND NUMBER PART 2A (Multiplication)

/7

- **Solve 2x2 multiplication problems**

1. Calculate the following, using the method of your choice:

a) 35
<u>x 25</u>

b) 16 x 87

c) 37 x29

d) 46 x 89

/4

2. Jane worked 25 hours in one week. She made $27 per hour. Bill worked 35 hours in one week, and made $21 per hour. Who made more money in a week?

/3

STRAND NUMBER PART 2B (Division)

/5

- **Solve 3x1 digit division problems**

1. Solve the following, using the method of your choice:

a) $3\overline{)827}$ d) $6\overline{)701}$ c) $2\overline{)222}$

/3

2. Jessica worked 179 hours in four weeks. Assuming she worked the same hours each week, how many hours did she work in one week?

/2

STRAND NUMBER PART 2C /10

- **Solve 2x2 multiplication problems AND Solve 3x1 digit division problems**

1. Calculate the following, using the method of your choice:

a) 35 x 25

b) 16 x 82

c) 37 x 29

/3

2. Jane worked 32 hours. She made $23 per hour. Bill worked 38 hours and made $21 per hour. Who made more money altogether?

/3

3. Solve the following, using the method of your choice:

a) 816÷6=

d) 931÷5=

/2

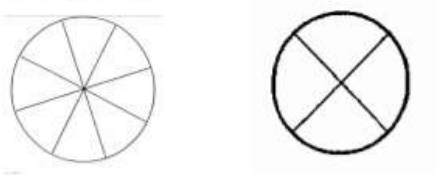
a) Mary and Max were carrying a box with some books in it. Altogether, the books inside the box weigh 160 lbs. If each individual book weigh 4 pounds, how many books are inside the box?

/2

Strand Number Part 3 /10

- **Compare and Interpret fractions**

1. a) Shade in $\frac{3}{4}$ of each pie.



b) Write one equivalent fraction for $\frac{3}{4}$: _____ /3

2. Find and **circle the three equivalent** fractions:

$\frac{1}{3}$ $\frac{4}{9}$ $\frac{9}{12}$ $\frac{2}{6}$ $\frac{4}{12}$

/1

3. **A)** Put these fractions in order from **least to greatest**: $\frac{3}{6}$, $\frac{1}{4}$, $\frac{3}{8}$

/1

_____

B) Put the fractions above onto the number line below:

0 _____ 1

/3

4. Create **equivalent fractions** below:

a) $\frac{4}{5}$ = $\frac{\quad}{20}$ = $\frac{\quad}{\quad}$ /2

STRAND NUMBER PART 4 /15

- **Compare fractions to decimals**
- **Represent, compare, and add & subtract decimals to the thousandths**

1. Write the following decimals **as a fraction**:

a. 0.53 =

b. 0.060 =

/2

2. Write the following fractions **as a decimal**:

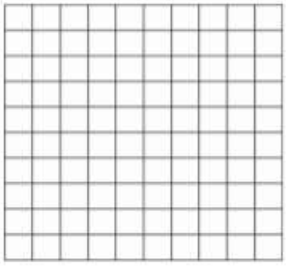
a. $\frac{6}{100}$ = _____

b. $\frac{544}{1000}$ = _____

/2

3. Write the decimal as a **base ten fraction**, and then as a **decimal**. Represent the decimal on the grid.

Fraction	Fraction as Base Ten	Fraction as Decimal
$\frac{32}{50}$		



/3

4A. Write the following decimals from **LEAST to GREATEST**:

0.7 0.56 0.056 0.173

_____, _____, _____, _____.

/1

4B. Write the decimal numbers from above on the number line below. **Be sure to use your benchmarks (0, 1, 0.5).**

/5

5. Solve the following. Make sure to **line up your decimals.**

a. 59.2 + 785.98

b. 67.68 - 0.425

/2

SPACE AND SHAPE PART 1 /6

- **Understand volume in cm^3 and m^3, and understand capacity in mL and L**

1. Use a ruler to measure the length of each line in millimetres (mm).

a — This line is _____ long.

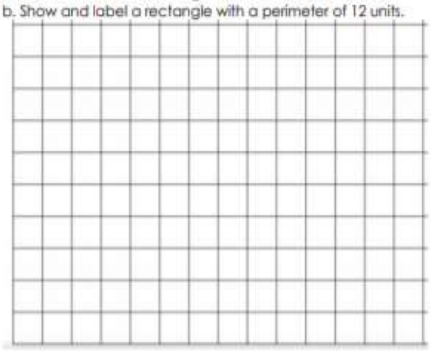
b ——————— This line is _____ long.

/2

2.

a. Show and label a rectangle with an area of 12 units².

b. Show and label a rectangle with a perimeter of 12 units.



/2

3. Sarah has a picture with a perimeter of 330 mm. Mike has a picture with a perimeter of 31 cm. Whose picture has a larger perimeter? How do you know?

_____

_____

_____

/2

SPACE AND SHAPE PART 2 /8

- **Understand volume in cm^3 and m^3, and understand capacity in mL and L**

1. You need to know how many pencil crayons will fit into your pencil bow. Which of the following would BEST work as a referent for a cubic centimeter (1 cm^3) to find the volume of the pencil box?

a. Kleenex box b. thumb c. dice d. water bottle

Explain why your chosen item is a good referent for a cubic centimeter:

_____

_____

_____

/2

2. Matt measures an eyeglasses case. It is 10cm by 5cm by 3cm.

a. Draw the prism below. Label its dimensions.

L _____ w _____ H _____

What is the volume of the eyeglasses case?

_____

_____

/3

3. Describe the relationship between mL and L.

_____

_____

/1

4. Jim has 3L of juice. He decides to share with some friends. He gives Lisa 0.7L, James 350mL, and Sam 630mL. How much juice does Jim have left?

_____

_____

/2

TRANSFORMATIONS /5

- **Describe AND perform transformations using the terms: translation, rotation, and reflection**

1. MOM is a special word. It is called a *palindrome* because it reads the same forwards and backwards.

MOM

Reflect the word "mom" vertically. What does it say? _____

Reflect the word "mom" horizontally. What does it say? _____

/2

2. REFLECT the following image over a **vertical line** of symmetry.

/1

3. TRANSLATE the following image **down** about 1 cm.

/1

4. ROTATE the following image 90 degrees **counter-clockwise.**

/1