

SD83 Home Learning Opportunities - Grade 7

June 15th to 19th, 2020

Dear Parents/Caregivers,

Thank you for your ongoing support of your child's learning journey during this unprecedented time. Please know that whether your child is participating in home learning opportunities, in-class instruction, or a combination of the two, your child's teacher and school staff are there to help. Here are some possible learning opportunities for your child this week:

Health & Well-Being: Have you noticed that when you exercise, it improves your mental wellbeing and helps relieve some stress? Come up with a plan for how you are going to keep exercising over the summer.

SMART Goals Worksheet

| | Tips | My Goal |
|------------------------|---|---------|
| Specific | What am I doing? When am I doing it? Why? | |
| Measurable | How will you track your progress? Fitness tracker? Jazz/gym attendance? | |
| Action-oriented | How will you meet your goal? Do you need to buy shoes? Move dinner time back a little? What steps will you need to take? | |
| Realistic | Are you excited about your goal? Is your goal true to you, your body and your limits? | |
| Timebound | Have a deadline to complete goal. Is it close enough to be motivated? Large goals in smaller chunks. | |



Monday
June 8th

Literacy: Read independently for 30 minutes.

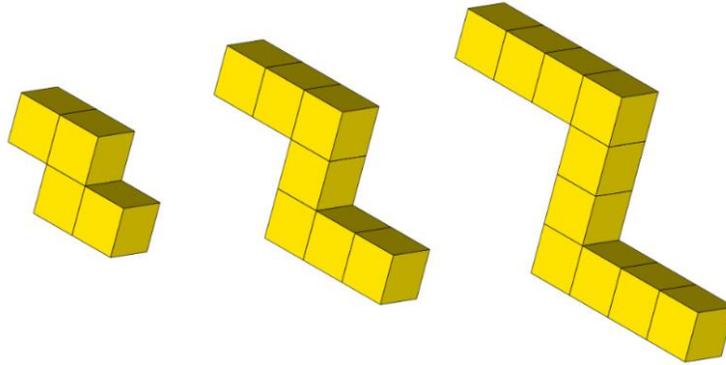
Organize Your Research Information

Take the information you found on your inquiry question and create an outline of how you would like to share your information.

- For example, you may choose to begin with an introduction to your inquiry question, then follow it by stating important points you discovered, and finally ending with a description of what you learned about your topic.
- Then, come up with a different outline to present your information in a different way.
- Read over the two outlines and choose the one that feels closest to how you want to share your information.

Numeracy:

Lucy was selling her drawings at a price of \$5.25 each. For every picture she drew, she had to spend \$0.20 in art supplies. How much profit would she make if she sold 54 pictures one weekend?

Pattern Challenge:

From visualpatterns.org

- How many cubes will be in the 4th figure?
- How many cubes will be in the 43rd figure?

Health & Well-Being: Finding the Green

The human eye can see more shades of green than any other colour. Go for a walk, sit quietly outside, or look out the window and see how many colours of green you can see. Share with a friend or family member.

Literacy: Read independently for 30 minutes.

Presenting Your Information

Now that you know what you want to share, decide how you would like to present your information. You may decide to write a report, make a powerpoint presentation, or create a poster. For more ideas of how to present your information, click [here](#).

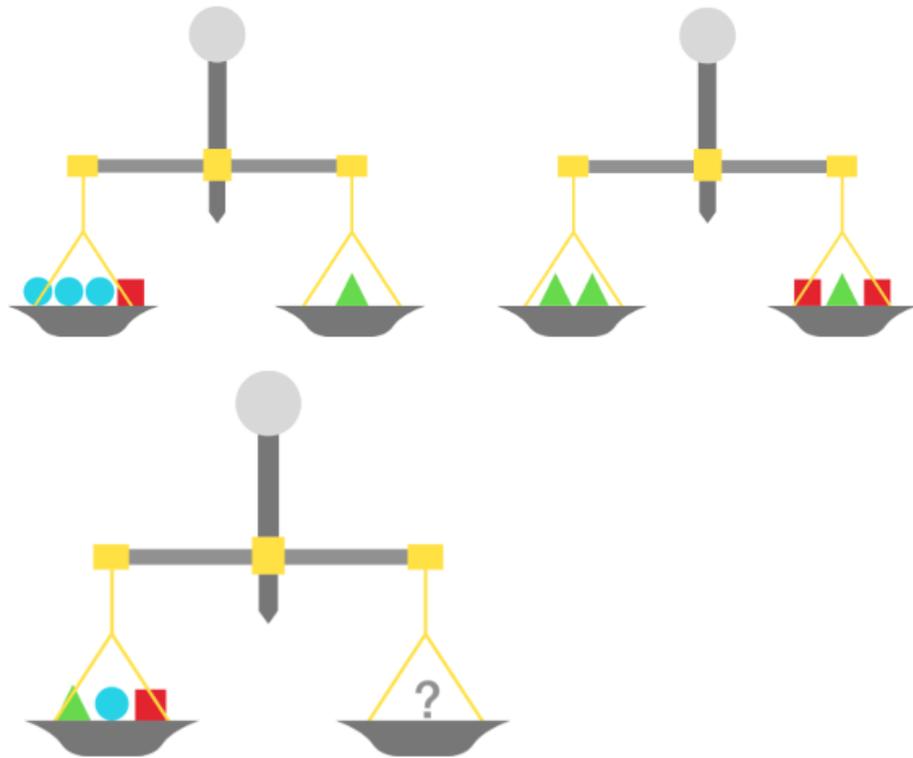
Numeracy:

A warehouse company needs to put a fence around the perimeter of its rectangular property. On an old survey map of the property, the warehouse owners can read from the diagram that the perimeter of the property is 4 348 m. They can also read that the longest side of the property is 1 246 m long but they cannot read the width of the property because the paper is old and worn. What is the width of the property?

**Tuesday
June 9th**

Balance Challenge:

Use the information in the first two balances to help you determine the number of circles needed on the right side to balance the last scale.



From <https://brilliant.org>

Health & Well-Being: Create your own fitness stations.

Create fitness stations around your space (living room, backyard, garage, driveway, local park). Lay out the equipment you'll need at each station. Rotate through the stations and spend 1 minute at each. (Station ideas: skipping, high knees, push ups, planks, jumping jacks, ball toss). Do these activities for 10-20 minutes.

Literacy: Read independently for 30 minutes.

Presenting Your Information

Continue to work on your presentation today. When you are finished, share your work with your teacher.

Numeracy:

A bakery decides to make their chocolate chip cookies more appealing by advertising them as being more "chocolatey" than before. The bakery normally uses 12 g of chocolate to make the chocolate chip cookies but has

**Wednesday
June 10th**

now decided to use 16 g of chocolate instead. What is the percent increase of chocolate the bakery can now advertise their cookies?

Would You Rather?

Look at the images below and use mathematical thinking to decide whether you would choose Option A or Option B. Explain your thinking, using mathematical reasoning to support your answer.

For the same price,
Would You Rather...

| | | |
|--|-----------|---|
| <p>Option A</p> <p>One 46 cm diameter pizza</p>  | <p>OR</p> | <p>Option B</p> <p>Two 30cm diameter pizzas</p>  |
|--|-----------|---|

**Thursday
June 11th**

Health & Well-Being: Thankful Thursday

Write a thank you card or draw a picture for your teacher, or someone at your school, showing how grateful you are for them.

Literacy: Read independently for 30 minutes.

Core Competency Self-Assessment and Reflection

Consider your learning through your inquiry project and fill out this [self-reflection document](#). Share it with your teacher.

Challenge! Often inquiry brings up new, interesting questions. Write down new questions you may choose to research in the future.

Numeracy:

Find the area of a circular target if it has a circumference of 246 cm.



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|---|---|
| | <p>Problem of the Week link: https://sd83.bc.ca/math-problems-of-the-week/</p> |
| <p style="text-align: center;">Friday June 12th</p> | <p>Health & Well-Being: Fun Family Friday - Father's Day BBQ Burger Flip</p> <p>Take a small ball or rolled up sock and see how many times you can bounce the ball/sock on a racket or plastic container lid. Challenge your father or other members of your household to a contest to see who can bounce the ball the greatest number of times.</p> <p>Or play in teams, and the team with the most bounces in a minute wins.</p> <p>For extra challenge, try flipping the racket/lid after each bounce.</p> |
| | <p>Literacy: Read independently for 30 minutes.</p> <p>Connections to Animals</p> <p>Animals may be noticing the changes in human behaviour recently. They may be noticing that for a time there were not as many people gathering outside, walking in the streets, or playing on the beach. Now, people are starting to become more noticeable to animals again. Choose an animal that lives in the Shuswap area and consider what they might be thinking. For example, a squirrel might be wondering why there were not as many families camping and a goose might be wondering why there were less boats on Shuswap Lake.</p> <p>Tell a story from the perspective of an animal during COVID-19. You may write in paragraphs, or a comic strip, or a graphic novel. Be creative!</p> |
| | <p>Numeracy:</p> <p>A geologist had two small stones that had a total mass of 108 g. One of the stones had twice the mass of the second stone. What are the masses of the two stones?</p> <p>Fun Friday game link: https://sd83.bc.ca/family-math-games/</p> |

Website of the Week

<https://www.we.org/en-CA/our-work/we-schools/at-home/>

WE Schools @home offers free online tools and resources to complement and support at-home learning. Developed for Grades K through 12, this weekly lesson package includes interactive and experiential curriculum-based resources, materials and lesson plans with an emphasis on well-being, social and emotional learning, service-learning and fostering resiliency.

Numeracy Solutions

| | |
|------------------|---|
| Monday | $(\$5.25 - \$0.20) \times 54$ $= \$5.05 \times 54$ $= \$272.70 \text{ Profit}$ <p>Challenge Solution:</p> <ul style="list-style-type: none"> • 4th figure: 10 cubes • 43rd figure: 130 cubes |
| Tuesday | <p>Width of property:</p> $\text{Perimeter} = 2l + 2w$ $4\,348 = 2(1\,246) + 2w$ $4\,348 = 2\,492 + 2w$ $1\,856 = 2w$ $w = \frac{1\,856}{2} = 928 \text{ m}$ <p>Challenge Solution: It takes 10 circles on the right side to balance.</p> |
| Wednesday | <p>The bakery uses 4 g more chocolate compared to the original 12 g.</p> $\text{Percent increase} = \frac{4}{12} = 0.333 \dots = 33.3\%$ <p>Challenge Solution: Answers will vary with respect to their reasoning, but we are looking for the ability to calculate the area of pizza in each option. Option A offers ~1 662 cm² of pizza whereas Option B has ~1 414 cm² of pizza. There may be reasons they would choose one over the other (e.g. prefer having additional crust which makes Option B more attractive- compare circumferences- but all answers should be supported mathematically).</p> |

| | |
|-----------------|--|
| Thursday | $C = 2\pi r$ $r = \frac{C}{2\pi} = \frac{246}{2\pi} = 39.1521 \dots = 39.2 \text{ cm}$ $A = \pi r^2 = \pi 39.2^2 = 4827.4969 \dots = 4827.5 \text{ cm}^2$ |
| Friday | <p>If "m" represents the mass of the second stone, then "2m" would represent the mass of the first stone.</p> <ul style="list-style-type: none"> • $2m + m = 108$ • $3m = 108$ • $m = \frac{108}{3} = 36 \text{ g}$ <p>The smaller stone had a mass of 36 g and the larger had a mass of 72 g.</p> |