






Cranston Public Schools
Summer Math Activities
Entering Grade 5

| | Monday | Wednesday | Friday |
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| Week 1 | Look at advertisements for cars in the newspaper or online. Choose a car you like. Round the price to the nearest 1000, then round it to the nearest 10,000? | Play Target Number Dash*. | Measure the length of some objects in your home to the nearest centimeter, then convert to millimeters.  |
| Week 2 | Solve using RDW. Jessica and her 7 friends share 3 liters of apple juice equally. How much apple juice does each friend get? | How many different ways can you decompose $\frac{6}{8}$? Record each decomposition using a number bond. | Solve using RDW. A gardener digs a flower bed that is 8 meters long and $\frac{1}{2}$ meter wide. What is the area of the flower bed? |
| Week 3 | Create a multiplication and/or division math game. Then, play the game with a partner.  | Read the weight, in grams, of different food items in your kitchen. Round the weights to the nearest 10 or 100 grams.  | Using a deck of playing cards (eliminate face cards and aces), turn over the top 5 cards and make the largest 5-digit number possible. Record it using number, word and expanded form. |
| Week 4 | Go on scavenger hunt. Find as many quadrilaterals in your neighborhood or house as you can.  | Solve using RDW. Tom makes 6 identical flags from 10 meters of fabric. How many meters of fabric does he use for each flag? | Play Target Number Dash. |
| Week 5 | Measure the perimeter of the room where you sleep in feet. Then, calculate the area. | Solve: $433 \times 3 = X$ Use the chip model to show your work. | How many different ways can you decompose $3\frac{3}{4}$? Record each decomposition using a number bond. |
| Week 6 | Use string to measure the perimeter of circular items in your house to the nearest quarter inch. | Solve using RDW. Mr. Smith paints 5 wooden chairs in 4 hours. If each chair takes the same amount of time to paint, what fraction of an hour does it take Mr. Smith to paint one chair? | Explain to a friend how to compare two fractions by partitioning tape diagrams. |
| Week 7 | Play Target Number Dash. | Solve using RDW. A rectangular swimming pool measures 16 meters by $8\frac{1}{4}$ meters. What is the area of the swimming pool? | Solve: $24 \times 36 = Y$ Use an area model to show your work. |
| Week 8 | Find the perimeter of a different room in your house. How much smaller or larger is it compared to the perimeter of the room where you sleep? | Using a deck of playing cards (eliminate face cards and aces), turn over the top 5 cards and make the largest 5-digit number possible. Record the number using number, word and expanded form. | Go on a shape scavenger hunt. Find as many triangles and hexagons in your neighborhood as you can.  |

*Work with a partner. Place 5 number cards face up in the center of the table. Next, turn up a sixth card, which will be the Target Card. Each player uses the numbers on the 5 cards to make the Target Number. All five cards must be used, in any order, and each can be used only once. Players may use addition, subtraction, multiplication, division, and/or any combination of each. Parentheses may be used to group calculations and to indicate the order in which calculations are to be performed. Players must write out their solutions. Sample hand - Cards: 1, 3, 7, 1, 8 with a Target Card of 1. One solution: $[(3 - 1) + 7] - (8 \div 1) = 1$. The first player to reach a solution says "Target!" and explains his/her solution. If the solution is correct, the player receives 1 point for that round. If the player cannot explain the solution or the solution is not correct, the player does not receive a point. The first player with 10 points is the winner.