JULY 2026 ENTERING GRADE 5

MON	TUES	WEDS	THURS	FRI
Outdoor Activity	**Outdoor Activity**	**1** Make a set of flashcards with multiplication and division facts through 12x12. Go through the stack with a friend or adult. Record the ones you knew automatically and the ones you did not. Continue to practice and see if you improve later this summer.	**2** Watch this video for ideas on creating a sidewalk design. https://www.youcubed.org/resources/sidewalk-chalk-designs-k-12-video/ Record your work in a drawing or a photograph	**3** Write a word problem with an answer of 47. Have someone solve the problem. Record the problem and explain how it was solved by your friend or family member.
6 Find a recipe and write down the amount of each ingredient necessary to make whatever you choose. Then, repeat the same list of ingredients with the amounts cut in half.	7 The distance from Boston to New York City is 306 kilometers. What is that distance in meters? Record your answer and show your work.	**8** Record the values of each 5 in 573,542 Find and record the difference between those two values. Show your work.	**9** Look outside for things that have at least one line of symmetry. Record or draw as many things as you find. List how many lines of symmetry for each. For example: A stop sign has 8 lines of symmetry	**10** Solve 32 x 24 using only metal math. Record your solution and explain how you got your answer.
13 Research how to make a paper airplane and fly it at least 25 times. Measure and record how far each time it goes in centimeters or inches. Record the 25 distances on a line plot. Include fractions for distances that do not measure exactly at a whole number.	**14** Zoe counts four times as many black kittens as white kittens at the pet store. She counts a total of 25 kittens. How many more black kittens are there than white kittens? Show your work.	15 Find the area of a room in your house. What other room in your house is close to twice the area of that room? Half of the area of that room? Record your answers and show the math.	**16** Go for a walk and time yourself How long did it take in minutes? In seconds? In hours? (use fractions or decimals if necessary) Record your results.	**17** Create a graph or a table to represent 25 items in your home with angles. Record the items and how many right angles (90 degrees), obtuse angles (>90 degrees), and acute angles (<90 degrees) there are for each item.
20 Design and draw a Playground. Identify points, lines, line segments, rays, obtuse, acute and right angles, perpendicular and parallel lines in your drawing.	**21** 1.2 L + .61 L =? Record your answer and show your work. What is something in real life that might have that measurement? Explain your thinking.	**22** It costs $1.70 to ride the bus. If you ride 2 times a day every day in August, how much would you spend? Record your answer.	**23** Find a pattern in the numbering of the houses or buildings in your neighborhood. Record it. Then, draw an imaginary neighborhood and create a new number pattern for the houses. Explain your pattern.	**24** Show 10 ways to make $4.56 using coins and/or bills. Record your answer.
27 You have $50 to spend at your favorite restaurant. What can you order to get you as close as possible to the $50 you must spend without exceeding that amount? Record what you chose and the total amount you ended up spending.	**28** Record the values of each 7 in 771,548 Find and record the difference between those two values. Show your work.	**29** Find an example of street art in your community. What math do you see in the work? Some things to look for are shapes, lines, patterns, lines of symmetry, numbers, and more. Take a photo or try to draw the art and explain your thinking about the math you saw.	**30** Find and record ways that fractions are used in real life. Look at newspapers, magazines, and grocery store flyers. Paste the items that you found onto a digital document or on paper.	**31** Try using mental math. How many 25s are in 300? How many 20s are in 4,000? Record your answers. Explain your solving strategy.

AUGUST 2026 ENTERING GRADE 5

MON	TUES	WEDS	THURS	FRI
3 Keep a log of how many hours and minutes you sleep each night for a week. Calculate and record the total amount of sleep in hours and minutes at the end of the week.	**4** Measure the perimeter of several windows in your home. Find the difference between the perimeters of the largest and smallest windows. Record your answers.	**5** Run around your house three times. Use a timer to record how long it took to the nearest hundredth of a second. Do the same thing again. Record both times. Which was the fastest time? Explain how you know.	**6** Kate's garden is in the shape of a square with a perimeter of 32 feet. What is the area of her garden? Draw her garden with the dimensions. Record the area. Show your work.	**7** You want to have a garden in your yard. You plant some corn seedlings, 2x more tomato seedlings than corn and 4x more bean seedlings than tomatoes. Show a diagram of the garden and the number of seedlings in each section. Record how many seedlings you planted together.
10 142 children went on a field trip to an amusement park. The roller coaster seats hold three people, and all 3 spaces must be filled if there are enough students. Can all the students sit with a friend? If not, how many would ride alone? Record your solution.	**11** Create a new, free account: https://www.prodigygame.com/?regp=1&regr= Play a game that challenges you. Record the name of the game, the math skills you practiced, and your score.	**12** Draw a 0-2 number line with chalk. Leave plenty of space between the whole numbers. Place the following fractions on the number line: 7/5; 1/4; 2/3; 2/12 Take a picture or draw your completed number line.	**13** The distance from Medford to Boston is 9 kilometers. If you walked 1 kilometer in 10 ½ minutes, how long would it take you to walk this distance? Record your answer in minutes as a fraction. Record how many hours and minutes it would take. Show your work.	**14** A school needs to buy 1,238 water bottles for students' field day. The principal rounded to the nearest hundred when he placed the order. Will that be enough? Why/Why not? Explain your thinking.
17 Max sold 4 gallons of lemonade at his lemonade stand. How many cups did he sell? Pints? Quarts? Record your answers	**18** Sue goes to the gas station. She has ¼ a gas tank; how much more does she need to fill the tank? If each ¼ gallon cost $11.63. What is the total cost of gas she needed? Record your answer.	**19** Look around your neighborhood for intersecting streets. Decide if they meet and create a 90° angle, an angle > 90°, or < 90°. Record the names of the streets that intersect and the type of angles.	**20** Would it have been more likely to have eaten 16 pounds or 16 ounces of meat in one meal? Explain your thinking.	**21** If Dave makes $12.50 an hour, how many hours would he work to make $450.00 weekly? If he made $3,600.00, how many weeks would he have worked? Record your answers and show your work.
24 Use the multiplication flashcards you made on July 7th. Go through the stack with a friend or adult. Record the ones you knew automatically and the ones you did not. Compare today's results with how you did on the 7th. Record your findings.	**25** Go on an outdoor scavenger hunt for real-world examples of parallel and perpendicular lines. Make a table with two columns titled Type of Lines and Examples. Record your findings.	**26** Visit the website https://www.multiplication.com Play two of the games. Record what games you played, your scores, and what math skills you practiced.	**27** Find a graph in the newspaper or on the computer. Cut and paste it onto paper or electronically on a doc. Write three statements about the data.	**28** Play a "Product Game" with a friend or family member. You can also play against the computer: https://www.nctm.org/ClassroomResources/Illuminations/Interactives/Product-Game/ Record the multiplication equations that match your 'four in a row' when you win.
31 Get your work organized! Bring it to school on the first day you return and hand it to your teacher. **Do not send completed work to the Director of Mathematics.**	**Outdoor Activity**	**Outdoor Activity**	**Outdoor Activity**	**Outdoor Activity**