Summer 2021 Rising 5th Grade – Problem of the Day Calendar

Name_____

Monday 5/24	Tuesday 5/25	Wednesday 5/26	Thursday 5/27	Friday 5/28
Write the following in standard form: 92 ten thousands + 50 hundreds + 6 tens	List the first six multiples of 8.	Round 138,465 to the nearest thousand, hundred, and ten.	List all the factors of the number 24.	What number is 100 more than 79,930?
Answer:	**Answer:**	**Answer:** Thousand: Hundred: Ten:	**Answer:**	**Answer:**

Monday 5/31	Tuesday 6/1	Wednesday 6/2	Thursday 6/3	Friday 6/4
Solve using the order of operations: $70 + 40 \div 5 \times 4$	Fill in the missing number represented by n. $n \times 6,000 = 48,000$	Estimate the value of $1,205 - 489 - 596$. Show how you are rounding each number.	Estimate first, and then multiply. $7 \times 6,931$	Estimate first, and then divide. $576 \div 4$
Answer:	**Answer:** $n =$	**Answer:** _____ - _____ - _____ = _____	**Answer:** Estimate: Work/Answer:	**Answer:** Estimate: Work/Answer:

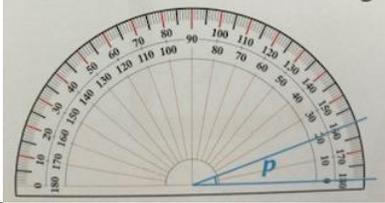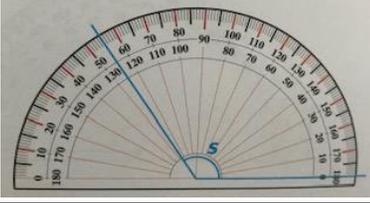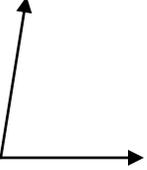| Monday 6/7	Tuesday 6/8	Wednesday 6/9	Thursday 6/10	Friday 6/11
Mrs. Prather started reading a 6,958 page book. If she only has time to read 10 pages a day, what is the <u>least</u> number of days she needs to complete the book?	Estimate first, and then multiply. 685 x 32	Find the value of the expression: $6,408 \div (48 - 45)$	Express each fraction in its simplest form: a) $\frac{12}{18}$ b) $\frac{16}{20}$ c) $\frac{18}{24}$	Order the following fractions from LEAST to GREATEST: $\frac{7}{12}$; $\frac{3}{4}$; $\frac{2}{3}$; $\frac{4}{9}$
Answer:	**Answer:** Estimate: Work/Answer:	**Answer:**	**Answer:** a) b) c)	**Answer:**

Monday 6/14	Tuesday 6/15	Wednesday 6/16	Thursday 6/17	Friday 6/18
Express the answer as a mixed number in simplest form: $\frac{4}{7} + \frac{5}{7} =$	Gwen bought 1 liter of tomato juice. She drank $\frac{2}{7}$ of it in the morning and then she drank $\frac{4}{7}$ of it in the evening. How much tomato juice was left?	Compare each statement using $<$, $>$, or $=$ a) $\frac{14}{9}$ _____ $1\frac{4}{9}$ b) $\frac{18}{4}$ _____ $4\frac{5}{8}$ c) $\frac{8}{9}$ _____ $\frac{3}{4}$	Express each answer in simplest form: a) $\frac{3}{4} - \frac{5}{12}$ b) $\frac{2}{3} + \frac{11}{12}$	Express the answer as a mixed number in simplest form: $3\frac{7}{10} - 2\frac{27}{100}$
Answer:	**Answer:**	**Answer:** a) b) c)	**Answer:** a) b)	**Answer:**

Monday 6/21	Tuesday 6/22	Wednesday 6/23	Thursday 6/24	Friday 6/25
A container has a capacity of 3 liters. It contains $1\frac{3}{4}$ liters of water. How much more water is needed to fill the container completely?	Draw and label a bar model to find the value of: $\frac{3}{8}$ of 16	48 children went to the zoo. $\frac{3}{8}$ of them were girls. How many boys were there? Hint: draw a bar model	Use your knowledge of conversions to fill in each blank: a) 5 km = _____ m b) 325 cm = _____ m c) 2,500 ml = _____ L	Use your knowledge of conversions to fill in each blank: a) 9 feet = _____ in b) 48 oz = _____ lb c) 2 hours 20 minutes = _____ minutes
Answer:	**Answer:**	**Answer:**	**Answer:** a) b) c)	**Answer:** a) b) c)

Monday 6/28	Tuesday 6/29	Wednesday 6/30	Thursday 7/1	Friday 7/2
Express each of the following as a decimal: a) 4 tenths b) 21 tenths c) $\frac{16}{10}$ d) 37 hundredths	Write a decimal number in standard form for each: a) $30 + 6 + 0.2 + 0.05$ b) $54 + 0.03$ c) $30 + 0.5 + 0.7$ d) $3 + \frac{9}{10}$	What number must be added to 0.82 to give the answer 1?	Order the following from least to greatest: a) $3.25 ; 3.205 ; 3.025 ; 3.502$ b) $1.385 ; 1\frac{7}{20} ; 1.035 ; \frac{13}{10}$	What is the value of the letter n? $0.45 = \frac{n}{10} + \frac{5}{100}$
Answer: a) b) c) d)	**Answer:** a) b) c) d)	**Answer:**	**Answer:** a) b)	**Answer:** $n =$

Monday 7/5	Tuesday 7/6	Wednesday 7/7	Thursday 7/8	Friday 7/9
Write each fraction as a decimal: a) $\dfrac{39}{100}$ c) $\dfrac{19}{5}$ b) $6\dfrac{1}{20}$	Write each decimal as a fraction or mixed number in simplest form: a) 0.8 b) 6.07 c) 0.145	Find the value of each: a) 2.8 + 0.7 b) 2.6 + 7 c) 0.56 + 0.4 d) 0.86 + 0.49	Find the value of each: a) 0.58 – 0.3 b) 5.3 – 0.9 c) 4 – 0.86 d) 1 – 0.07	Find the value of each: a) 5 – 2.4 b) 0.6 – 0.16 c) 4.72 – 1.32 d) 4.52 – 0.99
Answer: a) b) c)	**Answer:** a) b) c)	**Answer:** a) b) c) d)	**Answer:** a) b) c) d)	**Answer:** a) b) c) d)

Monday 7/12	Tuesday 7/13	Wednesday 7/14	Thursday 7/15	Friday 7/16
After using 24.8 cm of ribbon to tie a present and 12.6 cm to make a bow, Bo had 18.4 cm of ribbon left. How many centimeters of ribbon did he have at first?	Find the product of each: a) 0.3 x 2 b) 0.5 x 8 c) 0.04 x 7 d) $0.60 x 9	Estimate the product of each. Record your estimate. Then find the actual product. a) 3.9 x 5 b) 18.5 x 2	(same instructions as Wednesday 7/15) c) 8 x 32.6 d) 4 x 130.2	Mrs. Prather bought 4 packs of spice and a can of cocoa. Each spice pack costs $0.85 and the can costs $5.75. How much did she spend all together?
Answer:	**Answer:** a) b) c) d)	**Estimate for a:** **Work/Answer for a:** **Estimate for b:** **Work/Answer for b:**	**Estimate for c:** **Work/Answer for c:** **Estimate for d:** **Work/Answer for d:**	**Answer:**

Monday 7/19	Tuesday 7/20	Wednesday 7/21	Thursday 7/22	Friday 7/23
Use your knowledge of math facts and place value to answer the following: a) $0.8 \div 4$ b) $3.5 \div 7$ c) $\$2.40 \div 8$ d) $4.12 \div 4$	Draw and label each: a) Line segment AB b) Ray C c) Line d) A line with points D and E on the line	Find the measure of angle p and tell what type of angle it is. 	Find the measure of angle s and tell what type of angle it is. 	Estimate the size of the angle below:
Answer: a) b) c) d)	**Answer:** a) b) c) d)	**Answer:** $m < p =$ type of angle:	**Answer:** $m < s =$ type of angle:	**Answer:**

**please note: figures are NOT drawn to scale

Monday 7/26	Tuesday 7/27	Wednesday 7/28	Thursday 7/29	Friday 7/30
Find the perimeter AND area of the rectangle below: 8 cm 12 cm	The area of a square is 81 cm². Find its perimeter. Area = 81cm²	The floor of a rectangular room measures 15 ft by 22 ft. It costs $4 per square foot to carpet the floor. Find the cost to carpet the entire floor.	The perimeter of a square is 35.2 feet. a) Find the length of one side of the square. b) Round the length to the nearest whole number.	The area of a rectangle is 108 cm². One side of the rectangle measures 9 cm. Find the measure of the unknown side. 9 cm
Answer: Perimeter: Area:	**Answer:**	**Answer:**	**Answer:** a) b)	**Answer:**
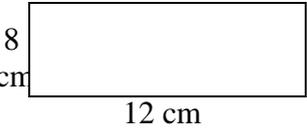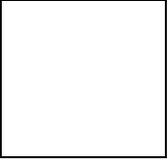
please note: figures are NOT drawn to scale

Monday 8/2	Tuesday 8/3	Wednesday 8/4	Thursday 8/5	Friday 8/6

The rectangle and square below have the same perimeter.
  a) Find the missing length of the rectangle.
  b) Which shape has the bigger area?
 	
10 cm
 	
?
 	
5 cm
	Find the volume of a cube with edge lengths of 8 cm.
	
	8 cm
		Find the volume of a rectangular prism that has a base area of 36 cm^2 and a height of 4 cm.
		
		A = 36cm^2
			Mrs. Prather measured the lengths of 4 worms. The measurements were:
			8.92 cm, $\frac{72}{10}$ cm, 7 cm, and $\frac{763}{100}$ cm.
			
			What is the combined length of all 4 worms?
			  a) Express your answer as a decimal.
			  b) Express your answer as a fraction/mixed number in simplest form.
				Each upper school student at Oak Hill School read a minimum of 153 pages this summer. There are 200 students in the upper school.
				
				  a) Estimate the total number of pages read by upper school students.
				  b) Find the total number of pages read by upper school students this summer.

Answer:
  a)
 	
  b)
	Answer:	**Answer:**	**Answer:**
			  a)
			
			  b)
				Answer:
				  a)
				
				  b)

Monday 8/9	Tuesday 8/10	Wednesday 8/11	Thursday 8/12	Friday 8/13
What is your best estimate for the answer to $45.91 + $83.11? Why? Answer with a complete sentence.	What is your best estimate for the answer to 31.4 x 8? Why? Answer with a complete sentence.	What is your best estimate for the answer to 43.29 ÷ 8? Why? Answer with a complete sentence.	There are 1,521 workers at a factory. 1/3 (one third) of the workers are between the ages of 18 – 30. How many workers at the factory are between the ages of 18 – 30?	A quadrilateral has side lengths that measure 8.2 cm, 9.8 cm, 8.2 cm, and 9.8 cm. What is the perimeter of the quadrilateral? Also, draw and label a quadrilateral that could fit characteristics of the side lengths described above.
Answer:	**Answer:**	**Answer:**	**Answer:**	**Answer:** Perimeter: Drawing of possible quadrilateral: