

Oak Grove Math Superstars

Due Dates:



Session	Last Monday of
1	September
2	October
3	November
4	January
5	February
6	March

Grade 2

Session 2 - Answers

(50 points total; 10 points deducted if late)

5 points for each question, unless otherwise noted; 1 point for effort for answers that are incorrect.

1. Alexandra wants to prepare French toast. For 8 slices, along with other ingredients, the recipe calls for 4 eggs. She has two dozen eggs. How many slices of French toast can she prepare? (5 points; 1 point for trying)

48 slices of French toast

2. 28 is a 2 digit number whose sum is 10. How many other 2 digit numbers have a sum of 10? What are the numbers? {5 points for all correct, 3 points for partially correct; 1 point for trying }

8

{19, 91, 82, 37, 73, 46, 64, 55}

3. Find the sequence and fill in the blanks:

{5 points for all correct, 4 points for 9 to 11 correct answers, 3 points for 6 to 8 correct answers, 2 points for 3 to 5 correct answers, 1 point otherwise}

- i. 17, 15, 13, **_11_**, 9, 7, **_5_**, **_3_** **(decreasing series by 2)**
- ii. 1, 2, 2, 2, 3, 2, 4, 2, 5, **_2_**, **_6_**, 2, 7, **_2_**, **_8_**, **_2_**
(increasing series by 1 with a filler of 2)
- iii. 6, 11, 16, 21, **_26_**, **_31_**, 36, 41 **(increasing series by 5)**
- iv. 1, 1, 2, 3, **_5_**, 8, 13, **_21_**, 34 **(Fibonacci's series**
 $n_{i+1} = n_i + n_{i-1}$)

4. Matt has 4 more cars than John has. How many cars does Matt need to give John so they have the same number of cars? {5 points; 1 point for trying }

2 cars

5. Find 3 different ways to fill in the blanks. Do not use zeros:

Any combinations of the following:

{5 points for all correct, 3 for 2 correct; 1 point for trying }

$$6 = \underline{\text{1}} + \underline{\text{2}} + \underline{\text{3}}$$

$$6 = \underline{\text{1}} + \underline{\text{4}} + \underline{\text{1}}$$

$$6 = \underline{\text{2}} + \underline{\text{2}} + \underline{\text{2}}$$

6. Fill in the blanks with “+” and “-” signs to make the equations work: {5 points for all correct, 3 for 2 or more correct; 1 point for trying }

$$1 \underline{+} 3 \underline{-} 2 = 2$$

$$4 \underline{-} 2 \underline{+} 5 = 7$$

$$3 \underline{+} 6 \underline{-} 1 = 8$$

$$9 \underline{-} 2 \underline{+} 4 = 11$$

7. Amy, Betty, and Cindy wear different color skirts to school. Their skirt colors are red, blue, and yellow. Amy's skirt is not red and not blue. Betty's skirt is not blue. What color of skirt does each girl have on? {5 points; 3 points for 1 correct, 1 point for trying }

Amy is yellow; Betty is red, and Cindy is blue

8. Jen is reading a book that is 102 pages long. If she reads 9 pages each day, how many days will it be for her to finish the book? {5 points; ; 1 point for trying}

$$102 / 9 = 11.33 \text{ rounded up} = 12 \text{ days}$$

9. Fill in the following subtraction table: (10 points)

row – column	1	8	6	7	3
9					
17			11		
12					
14		6			
20					

{0.5 point per correct answer with a maximum of 10 points}

row – column	1	8	6	7	3
9	8	1	3	2	6
17	16	9	11	10	14
12	11	4	6	5	9

14	13	6	8	7	11
20	19	12	14	13	17