

Oak Grove Math Superstars

Due Dates:



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

Grade 3

Session 4 - Answers

(50 points total; 10 points deducted if late)

ANSWER KEY – 5 points for each correct answer; 1 point for effort if answer incorrect.

1. Find the mystery number (?) using the relationships shown:

$$28 : 7 \quad 20 : 5 \quad 16 : 4 \quad 12 : ?$$

Answer: 3

2. Jared is helping his dad box up Christmas ornaments. Each box will hold 6 ornaments. How many boxes will they need to hold 52 ornaments?

Answer: 9 boxes

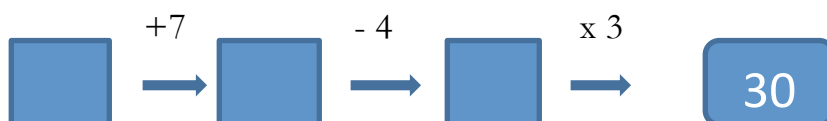
3. Abe is 23 years old. Nico is 3 years younger than Zach and 1 year older than Ethan. Zach is 1 year younger than Abe. How old is Nico?

Answer: 19 years old

4. What number is just as far from 6 as it is from 20?

Answer: 13

5. What is the starting number in this puzzle?



Answer: 7

6. How many 3-digit numbers can be made using the following numbers only once in each number? Use the digits: 2, 3, 4

Answer: 6 numbers can be made

7. The city library monitored the number of books checked out each day.

Books checked out	
Day	Number of books
Wednesday	527
Thursday	291
Friday	716
Saturday	133

How many more books were checked out on Friday than on Wednesday?

Answer: 189 books

8. Megan's mom baked 2 apple pies on Wednesday. She divided each pie into eight slices. Megan, her 2 sisters, and her mom and dad each ate one slice on Wednesday. The next day they each ate another slice. What fraction of the pies remained for Friday?

Answer: $\frac{3}{4}$

9. Solve for n : $36 + n = 25 \times 3$

Answer: $n = 39$

10. Circle the fraction that is equivalent to $\frac{1}{4}$

a. $\frac{4}{15}$ b. $\frac{3}{8}$ c. $\frac{2}{6}$ d. $\frac{3}{12}$

