

OAKLAND CUSD #5

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TECH MATH

APRIL 27-MAY 1, 2020

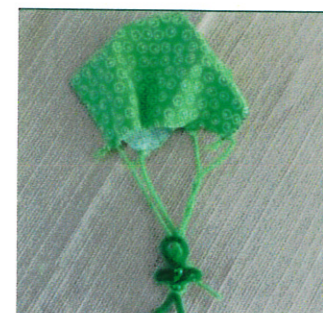
EMILY MYERS

Week of April 27-May 1, 2020
Ms. Myers

Hello everyone. Choose 2 of the following activities for the class you are enrolled in to complete for this week. All assignments may be turned in via google classroom. Take a picture or scan it in and turn it into the corresponding assignment. Or you may turn in paper copies to the office and they will get them to me. Both choices are due by Monday, April 27 at noon. **Be sure to write whatever choice you are doing at the top of your page.**

I will be at my computer for questions on Tuesday 10a-12p, Wednesday 3p-5p & Thursday 12p-2p. **NO WORK = NO CREDIT**

Class	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5
Algebra 2	Page 950 Lesson 3.3	Page 951 Lesson 3.4	Page 951 Lesson 3.5	Page 207 #1-21	Design a parachute that will take 10 seconds or more to fall 5 feet. Send me a video of it falling.
Algebra 3/Trig	Khan Academy Graphing Sinusoidal function, sinusoidal models, quiz 3, unit test	Page 972 Lesson 11.2-11.3 evens	Page 977 Lesson 11.4-11.5 evens	Page 984 Lesson 13.5	Design a parachute that will take 10 seconds or more to fall 5 feet. Send me a video of it falling.
Geometry	Page 828 Lesson 4.1-4.2	Page 829 Lesson 4.3-4.4	Page 830 Lesson 4.5-4.6	Page 289 #1-27	Design a parachute that will take 10 seconds or more to fall 5 feet. Send me a video of it falling.
Tech Math	Powers and Roots Page 18	Factors, Primes and Composites Page 19	Multi-step Equation maze Wkt	Dots 1 Wkst	Design a parachute that will take 10 seconds or more to fall 5 feet. Send me a video of it falling.



Powers and Roots

Skill: Powers and Roots

Name _____

Total Problems 48

Problems Correct _____

Percent Correct _____

Find the powers.

- | | | |
|------------------|------------------|------------------|
| 1. 4^4 _____ | 2. 9^2 _____ | |
| 3. 2^3 _____ | 4. 10^2 _____ | |
| 5. 3^4 _____ | 6. 12^2 _____ | |
| 7. 4^3 _____ | 8. 11^2 _____ | 9. 5^2 _____ |
| 10. 6^2 _____ | 11. 5^5 _____ | 12. 10^5 _____ |
| 13. 12^3 _____ | 14. 7^2 _____ | 15. 2^6 _____ |
| 16. 8^2 _____ | 17. 3^6 _____ | 18. 2^5 _____ |
| 19. 7^3 _____ | 20. 6^3 _____ | 21. 5^3 _____ |
| 22. 14^2 _____ | 23. 17^2 _____ | 24. 13^2 _____ |

Find the roots.

- | | | |
|---------------------------|---------------------------|---------------------------|
| 25. $\sqrt[3]{729}$ _____ | 26. $\sqrt{144}$ _____ | 27. $\sqrt{49}$ _____ |
| 28. $\sqrt{36}$ _____ | 29. $\sqrt[3]{64}$ _____ | 30. $\sqrt[4]{81}$ _____ |
| 31. $\sqrt{121}$ _____ | 32. $\sqrt[5]{32}$ _____ | 33. $\sqrt{225}$ _____ |
| 34. $\sqrt{400}$ _____ | 35. $\sqrt[3]{216}$ _____ | 36. $\sqrt[3]{343}$ _____ |
| 37. $\sqrt[3]{27}$ _____ | 38. $\sqrt{900}$ _____ | 39. $\sqrt[7]{128}$ _____ |
| 40. $\sqrt[4]{256}$ _____ | 41. $\sqrt{625}$ _____ | 42. $\sqrt[5]{243}$ _____ |
| 43. $\sqrt{2,500}$ _____ | 44. $\sqrt[9]{512}$ _____ | 45. $\sqrt[3]{125}$ _____ |
| 46. $\sqrt{256}$ _____ | 47. $\sqrt{484}$ _____ | 48. $\sqrt[8]{256}$ _____ |

Factors, Primes and Composites

Skill: Factors, Primes
and Composites

Name _____

Circle the prime numbers and list all the factors of
the composite numbers.

Total Problems 50

Problems Correct _____

Percent Correct _____

- | | | |
|---------------|---------------|--------------|
| 1. 29 _____ | 2. 30 _____ | |
| 3. 55 _____ | 4. 60 _____ | |
| 5. 75 _____ | 6. 18 _____ | |
| 7. 16 _____ | 8. 17 _____ | 9. 51 _____ |
| 10. 100 _____ | 11. 12 _____ | 12. 25 _____ |
| 13. 28 _____ | 14. 36 _____ | 15. 23 _____ |
| 16. 49 _____ | 17. 77 _____ | 18. 57 _____ |
| 19. 73 _____ | 20. 64 _____ | 21. 24 _____ |
| 22. 65 _____ | 23. 50 _____ | 24. 61 _____ |
| 25. 14 _____ | 26. 97 _____ | 27. 80 _____ |
| 28. 11 _____ | 29. 72 _____ | 30. 15 _____ |
| 31. 19 _____ | 32. 140 _____ | 33. 47 _____ |
| 34. 20 _____ | 35. 103 _____ | 36. 59 _____ |
| 37. 35 _____ | 38. 89 _____ | 39. 39 _____ |
| 40. 79 _____ | 41. 95 _____ | 42. 42 _____ |
| 43. 125 _____ | 44. 33 _____ | 45. 66 _____ |
| 46. 93 _____ | 47. 63 _____ | 48. 85 _____ |
| 49. 54 _____ | 50. 43 _____ | |

Solving Multi-Step Equations

Directions: Solve each multi-step equation. Use your answer to navigate through the maze. Show your work.

START $2x - 4 = x + 6$	$10 + 3x = 5 - 2x$	$-\frac{x}{4} - 2 = x + 3$	$1 - 3x = 4x - 6$
$x = 10$	$x = -1$	$x = -4$	
$x = 2$	$x = 4$	$x = 1$	$x = -1$
$x = 1$	$x = -1$	$x = -1$	$x = 1$
$4x + 1 = 2x + 3$	$5x + \frac{x}{2} = 11$	$4x - 5x = 12 - 5$	$2 - \frac{x}{3} = 6 - x$
$x = -1$	$x = -7$	$x = 6$	
$x = 1$	$x = 2$	$x = 11$	$x = 2$
$x = 1$	$x = 2$	$x = \frac{1}{2}$	$x = -3$
$-2(x + 6) = 2$	$12 + \frac{20}{x} = 10$	$4x - 1 = 6x + 3$	$-2(x + 2) = -12$
$x = -7$	$x = -10$	$x = -4$	
$x = 12$	$x = -4$	$x = 12$	$x = -2$
$x = 12$	$x = 10$	$x = -2$	$x = 2$
$6x - 5 = \frac{x}{2}$	$\frac{2x}{3} = x - 6$	$2x + \frac{x}{4} = x + 5$	
$x = \frac{10}{11}$	$x = 18$	$x = 4$	
			