Summer Math - Rising 7th Grade WEEK 1

1. $\frac{3}{5} \div 6 =$

A. $3\frac{3}{5}$

B. $\frac{1}{7}$

C. $\frac{3}{10}$

D. $\frac{1}{10}$

6.NS.1

4. The classroom is 7 yards long. What is the length in inches?

A. 14 inches

B. 84 inches

C. 252 inches

D. 21 inches

6.RP.3d

2. Matt paid $6.65 to download 7 songs. What is the unit rate?

A. $0.95 / song

B. $0.90 / song

C. $46.55/ song

D. $0.85 / song

6.RP.2

5. 527.3 + 6.98 =

A. 533.28

B. 534.28

C. 597.10

D. 535.28

6.NS.3

3. Which event could be represented by the integer -5?

A. Depositing $5 into your bank account.

B. Adding 5 songs to your playlist.

C. Losing 5 yards on the play.

D. Jumping up 5 feet on a trampoline.

6.NS.5

6. What is the ratio of circles to squares?

A. 1:3

B. 3:1

C. 4:3

D. 4:1

6.RP.1

Summer Math - Rising 7th Grade WEEK 2

7. $20.35 \div 5.5 =$

A. 0.37

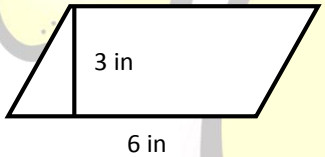
B. 370

C. 37

D. 3.7

6.NS.3

8. What is the area of this parallelogram?



A. 9 in^2

B. 18 in^2

C. 36 in^2

D. 12 in^2

6.G.1

9. Write an algebraic expression for 5 times the sum of y and 1.

A. $5 \times (y + 1)$

B. $5 \times y + 1$

C. $5 \times (y - 1)$

D. $5 \times (5y)$

6.EE.2a

10. The city's elevation is 23.5 feet below sea level. Between which 2 integers is this elevation?

A. 23 and 24

B. -23 and -24

C. 0 and -23

D. -24 and -25

6.NS.6a

11. What is 15% of 70?

A. 1050

B. 10.50

C. 101.5

D. 1.05

6.RP.3c

12. $7x = 21$. Solve for x.

A. $x = \frac{1}{3}$

B. $x = 3$

C. $x = 147$

D. $x = \frac{1}{147}$

6.EE.7

Summer Math - Rising 7th Grade WEEK 3

13. What is the prime factorization of 140?

A. 2 x 2 x 5 x 7

B. 4 x 5 x 7

C. 2 x 3 x 5 x 7

D. 5 x 5 x 7

6.NS.4

16. If $x = 3$, evaluate the expression $x^2 - 1$.

A. -5

B. 5

C. -8

D. 8

6.EE.2c

14. Which inequality is shown below?

A. $x > 3$

B. $x \geq 3$

C. $x \leq 3$

D. $x < 3$

6.EE.8

17. Order from least to greatest

$$\frac{1}{5}, 0.3, \frac{1}{2}$$

A. $\frac{1}{5}, \frac{1}{2}, 0.3,$

B. $\frac{1}{2}, \frac{1}{5}, 0.3$

C. $\frac{1}{5}, 0.3, \frac{1}{2}$

D. $0.3, \frac{1}{2}, \frac{1}{5}$

6.NS.6c

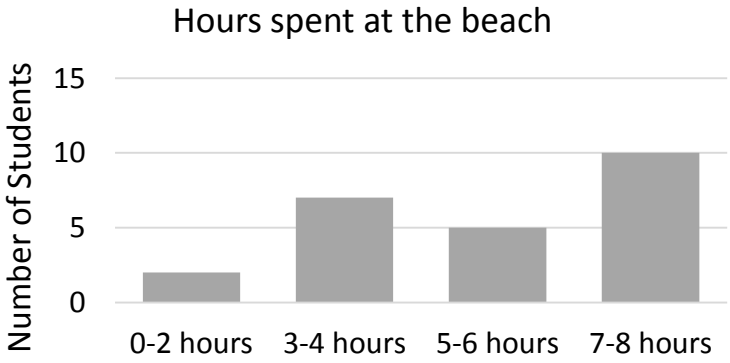
15. The reporter asked students how much time they spent at the beach each week and displayed the information below. Which interval represents a peak?

A. 0-2 hours

B. 3-4 hours

C. 5-6 hours

D. 7-8 hours



6.SP.2

Summer Math - Rising 7th Grade WEEK 4

18. Write an equation for this word sentence: one fourth of a number equals 5.

A. $\frac{1}{4} = 5$

B. $\frac{1}{4}n = 5$

C. $4n = 5$

D. $\frac{1}{4} + n = 5$

6.EE.7

19. Katie divided a drink with a volume of 3½ cups into ½ cup servings. How many servings did she have?

A. 10

B. 7

C. 6

D. 3

6.NS.2

20. The ratio of girls to boys is 2:3. If there are 14 girls, how many boys are there?

A. 2

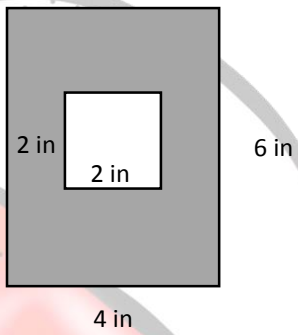
B. 3

C. 14

D. 21

6.RP.1

21. Find the area of the shaded region.



A. 10 in^2

B. 28 in^2

C. 20 in^2

D. 24 in^2

6.G.1

22. $4\frac{1}{2} \div 2\frac{1}{2} =$

A. 2

B. $11\frac{1}{4}$

C. $2\frac{1}{2}$

D. $1\frac{4}{5}$

6.NS.1

23. The football team either gained or lost yards on 5 different plays: -5, 3, -3, 0, 5. Order these 5 numbers from <u>greatest</u> to <u>least</u>.

A. 5, 3, 0, -3, -5

B. 5, 3, 0, -5, -3

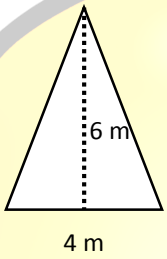
C. -5, -3, 0, 3, 5

D. -3, -5, 0, 3, 5

6.NS.7a

Summer Math - Rising 7th Grade WEEK 5

24. What is the area of this triangle?



A. 36 m^2

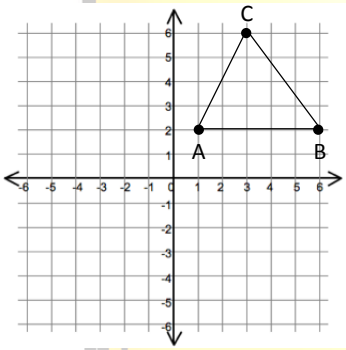
B. 24 m^2

C. 12 m^2

D. 48 m^2

6.G.1

25. For $\triangle ABC$, what is the length of $\overline{AB}$?



A. 3

B. 4

C. 5

D. 6

6.G.3

26. Jose reads 45 pages of his novel in 3 hours. At that rate, how many pages would he read in 5 hours?

A. 60

B. 75

C. 90

D. 105

6.RP.3a

27. The table shows home runs for 2 baseball players over 5 games. Which statement is true?

Home runs in baseball	
Steve	2, 1, 2, 0, 1
Henry	0, 0, 2, 1, 1

A. The mean for Steve and Henry is the same.

B. The mean for Steve is greater than the mean for Henry.

C. The mean for Henry is greater than the mean for Steve.

D. The range is NOT the same.

6.SP.3

28. $37.4 \times 1.9 =$

A. 71.06

B. 710.6

C. 70.06

D. 700.6

6.NS.3

Summer Math - Rising 7th Grade WEEK 6

29. Evaluate the following expression

$$2(3 - 2x)$$

A. $23 - 22x$

B. $6 - 6x$

C. $6 - 4x$

D. $4 - 4x$

6.EE.3

30. Which of the following has a value less than 0?

A. 7

B. $|7|$

C. $|-7|$

D. -7

6.NS.7c

31. What is 130% as a decimal and a fraction in simplest form?

A. 1.3 and $1\frac{3}{100}$

B. 1.3 and $1\frac{3}{10}$

C. 130 and $1\frac{3}{100}$

D. 130 and $1\frac{3}{10}$

6.RP.3c

32. The location of the pool is represented by the point (-24,10). In which quadrant is this point?

A. Quadrant I

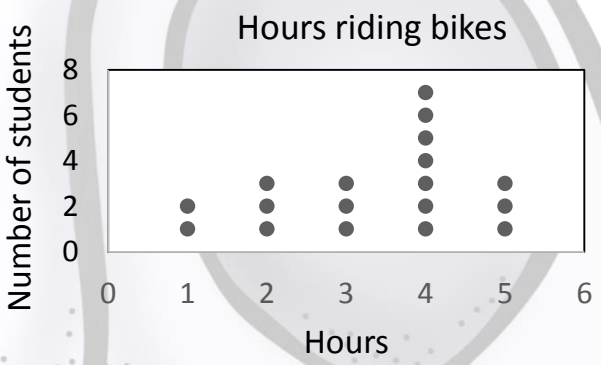
B. Quadrant II

C. Quadrant III

D. Quadrant IV

6.NS.6b

33. The dot plot shows the number of hours students rode their bikes last week. What is the most common number of hours?



A. 2

B. 3

C. 4

D. 5

6.SP.4

Summer Math - Rising 7th Grade WEEK 7

34. The expression $3(a + 5)$ is equivalent to which expression?

A. $3 + a + 5$

B. $3a + 8$

C. $3a + 5$

D. $3a + 15$

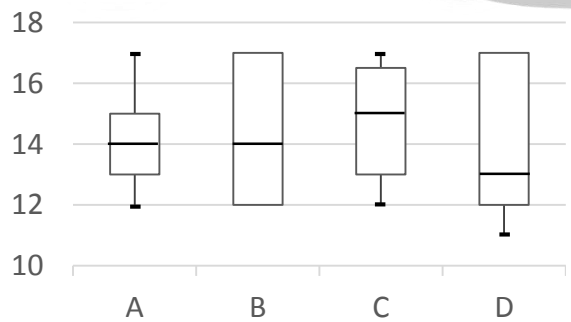
6.EE.4

35. The camp is divided into 2 groups. There are 14 kids in Camp A and 21 kids in Camp B. If you divided both camps into groups of equal size, how many students are in a group?

A. 7
B. 6
C. 5
D. 4

6.NS.4

36. Which of the following is a box & whisker plot for 12, 14, 15, 16, 17?



6.SP.4

37. $\frac{5}{8} \times \frac{2}{3} =$

A. $\frac{7}{12}$

B. $\frac{10}{25}$

C. $\frac{5}{12}$

D. $\frac{5}{24}$

6.NS.4

38. Evaluate the expression

$$6^2 - (3^2 + 1)$$

A. 29
B. 2
C. 5
D. 26

6.EE.1

39. The linear equation y = 3x represents the cost y of x pounds of strawberries. Which ordered pair lies on the graph of the equation?

A. (2, 6)

B. (1, 0)

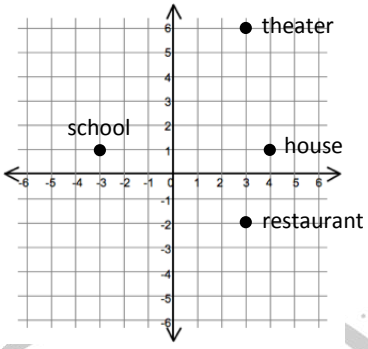
C. (6, 2)

D. (0, 1)

6.EE.9

Summer Math - Rising 7th Grade WEEK 8

40. Each unit is 1 mile. What is the distance from the school to the house?



A. 8miles
B. 7 miles
C. 6 miles
D. 5 miles

6.NS.8

43. What is the mean, median, and mode for this set of data: 14, 10, 16, 14, 11?

A. 14, 11, 14
B. 12, 13, 14
C. 13, 14, 13
D. 13, 14, 14

6.SP.5c

41. The cat's weight changed -8 oz. while she was sick. Which of the following shows a greater change in weight?

A. Loss of 9 oz.
B. Loss of 6 oz.
C. Gain of 5 oz.
D. Gain of 3 oz.

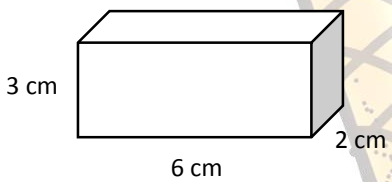
6.NS.7d

44. Order these integers from <u>least</u> to <u>greatest</u>: -9, 9, 0, 6, -6

A. -6, -9, 0, 6, 9
B. -9, -6, 0, 6, 9
C. 9, 6, 0, -6, -9
D. 9, 6, 0, -9, -6

6.NS.7a

42. What is the volume?



A. 11 cm^3
B. 18 cm^3
C. 36 cm^3
D. 72 cm^3

6.G.2

45. If 2 bags of grapes weigh 6 pounds, how many pounds do 5 bags weigh?

A. 15 pounds
B. 20 pounds
C. 25 pounds
D. 9 pounds

6.RP.3b

Summer Math - Rising 7th Grade WEEK 9

46. The high temperatures for the week were 87, 82, 100, 83, and 88. What is the mean of the temperatures without the outlier?

A. 85

B. 84

C. 88

D. 87

6.SP.5d

47. Jamal records how much time he spends playing video games every day for 5 days. Which is <u>not</u> a statistical question for this situation?

A. What is the average amount of time each day?
B. What is the total amount of time?
C. Which game is his favorite?
D. On which day did he spend the most time playing video games?

6.SP.1

48. Helen wants to have cake for her party. She needs 1 cake for every 8 people. Which expression helps her decide how many cakes to buy if p represents the number of people?

A. 8p

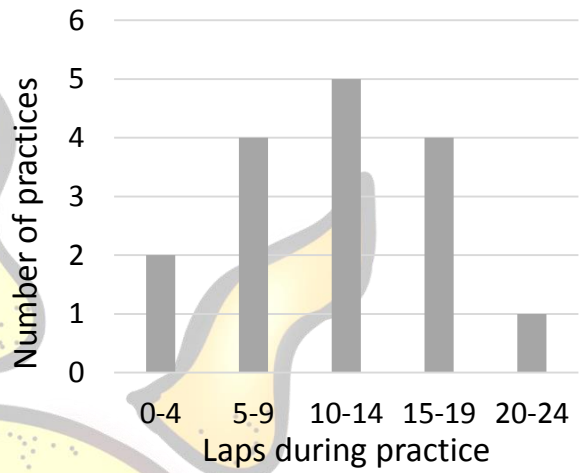
B. $\frac{1}{8}$ p

C. 8 + p

D. p – 8

6.EE.6

49. A swim team coach recorded the number of laps that kids swam during practices. In how many practices did they swim 15-19 laps?



A. 2

B. 3

C. 4

D. 5

6.SP.5a

50. A rectangular prism measures 6 inches by 4 inches by 2 inches. What is the surface area?

A. 22 in^2

B. 44 in^2

C. 88 in^2

D. 100 in^2

6.G.4

Summer Math - Rising 7th Grade WEEK 10

51. Is $k = 6$ a solution to the equation $\frac{1}{3}k = 3$?

A. Yes

B. No, $k = 9$

C. No, $k = 3$

D. No, $k = 18$

6.EE.5

52. How many terms are in the following expression?

$6x + 1$

A. 1

B. 2

C. 3

D. 0

6.EE.2b

53. The reporter interviewed 10 tourists from Ohio about the schools in Florida. Which of the following is true?

A. This is a sample of all tourists.

B. These tourists are biased.

C. These tourists are not biased.

D. This is a random sample.

6.SP.5b

54. Order these numbers from <u>greatest</u> to <u>least</u>.

$-\frac{1}{2}, -\frac{1}{4}, 0, 0.3, 0.2$

A. $0.3, 0.2, 0, -\frac{1}{4}, -\frac{1}{2}$

B. $-\frac{1}{2}, -\frac{1}{4}, 0, 0.2, 0.3$

C. $0.2, 0.3, 0, -\frac{1}{2}, -\frac{1}{4}$

D. $0.3, 0.2, 0, -\frac{1}{2}, -\frac{1}{4}$

6.NS.7b

55. $x + 8 = 12$

A. $x = 4$

B. $x = 20$

C. $x = 8$

D. $x = 5$

6.EE.7

56. $218.01 \div 4.3 =$

A. 0.507

B. 5.07

C. 50.7

D. 507

6.NS.3