

Answer Key for Summer Review Calendars 8th grade:

June Activities

Activity 1: Enjoy the game.

Activity 2: (input, output); (-2, -2), (-4, -8), (-6, -14), (-10, -26)

Activity 3: 40, 3N - 7

Activity 4: Y - 7

Activity 5: Website provides answer.

Activity 6: 198/11 is less than 138/6

Activity 7: Volume = 60 cubic units, Surface Area = 94 square units. Volume 2 = 120 cubic units, Surface Area 2 = 148 square units. Doubling the height, increases the volume by 200% and increases the surface area about 157%.

Activity 8: 1/3, 0.33 repeating, 33 1/3%

Activity 9: a.) 19 b.) 36

Activity 10: 131 degrees, supplementary angles

Activity 11: $4H + 5 = 20$, 3 hours 45 minutes

Activity 12: $8 + 30 \div (2 + 4) = 13$ $(8 + 30) \div 2 + 4 = 23$

Activity 13: 49/12 cups or 4 1/12 cups

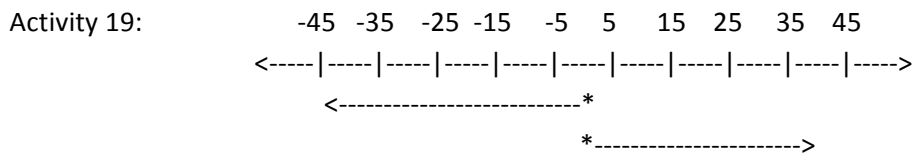
Activity 14: 18% more large dogs

Activity 15: 157 feet

Activity 16: 6 buckets

Activity 17: \$184.28

Activity 18: $3H = 4.5$, 1.5 inches



Activity 20: various responses

Activity 21: White Chocolate, Milk Chocolate, & Dark Chocolate

Activity 22: Enjoy the game.

Activity 23: Michael and Melissa both have an 80% average but all of Melissa's scores are within the B range while 3 of Michael's score are outside the B range.

Activity 24: Enjoy the game.

Activity 25: M = time descending in minutes, $-60 M = -660$; M = 11

Activity 26: The cross products are equal so the ratios are proportional.

Activity 27: 127 miles

Activity 28: Website provides answer.

Example: 1 1/8 flour, 3/4 sugar, 1/2 cup butter, 1 egg, 1/2 tsp vanilla, 1/2 tsp salt

Answer Key for Summer Review Calendars 8th grade:

July Activities:

Activity 1: \$126.65

Activity 2: (input, output); (-3.5, -17), (-4.25, -20), $(-5.3, -\frac{73}{3})$, $(-6\frac{1}{9}, \frac{-193}{9})$

Activity 3: 52, $2N + 5$

Activity 4: 3B

Activity 5: Website provides answer

Activity 6: The ratios both simplify to $\frac{5}{7}$

Activity 7: 150.8 square inches

Activity 8: $\frac{3}{5}$, 0.6, 60%

Activity 9: a.) -9 , b.) -9, c.) 9 . No, c.) is different because $(-3)(-3) = 9$ while $(-1)(3)(3)$

Activity 10: 128 degrees

Activity 11: $t = -4$, $s = 4$

Activity 12: a.) -4.7, b.) 4.3

Activity 13: $\frac{31}{12}$ pounds or $2\frac{7}{12}$ pounds

Activity 14: 16% decrease

Activity 15: a.) 40 feet, b.) 123 square feet of fertilizer

Activity 16: 0.6, $\frac{7}{10}$, 72%

Activity 17: \$21316.10

Activity 18: $G =$ the height of the Gateway to the West Arch in feet, $G - 75 = 555$

Activity 19: $10 + -6 + 8$, 0 2 4 6 8 10 12 14
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Activity 20: Website provides answer

Activity 21: 57023 square feet

Activity 22: Enjoy the game.

Activity 23: about 10. California, Texas, and New York. These states have significantly more electoral votes and shift the average number of electoral votes.

Activity 24: To get you started look at the across clues;

1.) **OBES**E, 3.) **LEG**IBLE, 5.) **L** . , 7.) **OL**E, 9.) **IS** , 11.) **LEG** 13.) **SIZZ**LE, 15.) **HI**

Activity 25: 8 fluid ounces

Activity 26: 1032 square inches

Activity 27: Commutative Property, the sum remains the same when changing the order of the addends.

Activity 28: answers will vary depending on your name.