

Answer Key for Summer Math Activities Calendars – Rising Grades 1st - 5th

Rising 1st Grade:

June - July Activity 11: $25 - 15 = 10$ left

July - August Activities: No Solutions

Rising 2nd Grade:

June-July Activity 2: 26, 12, 72, 94, 110

June-July Activity 4: 15, 25, 35, 50

June-July Activity 6: **60 minutes** in 1 hours, **30 minutes** in $\frac{1}{2}$ hour, **15 minutes** in $\frac{1}{4}$ hour

June-July Activity 7: $4 + 5 = 9$, $16 + 5 = 21$

June-July Activity 12: 14, 15, 16, 17, 18, 19

June-July Activity 18: The 7 yr old is **4 years younger** than the 11 year old. 32 stickers are **23 more** than 9.

June-July Activity 24: 27, 21, 45, 347, 303

June-July Activity 28: **17** comes after 16, **29** comes before 30, **56** comes before 57 and **58** comes after 57

July-August Activity 9: $4 + 2 + 3 - 2 = 7$ shells

July-August Activity 13: **28** comes after 27, **49** comes before 50

July-August Activity 14: $4 + 5 = 9$, $15 + 5 = 20$

July-August Activity 15: 8×2 eyes each person = **16 eyes**, $30 \div 10$ toes each person = **3 people**

July-August Activity 20: 1, 2, 3, 4, 5, 20

July-August Activity 23: The 7 year old is **7 years younger** than the 14 year old. 16 is **7 more** stickers than 9.

Rising 3rd Grade:

June-July Activity 3: **20 quarters** make \$5.00, **50 dimes** make \$5.00, **100 nickels** make \$5.00

June-July Activity 4: $\frac{1}{4}$ of the lollipops are grape flavored

June-July Activity 5: $(53 - 48 = 5)$: Jenn is **5 inches taller** than Deb. 53 inches = **4 feet, 5 inches**, 48 inches = **4 feet**

June-July Activity 18: A dog would be 2 ft tall

June-July Activity 19: $27 + 3$ (30) is greater than $32 - 8$ (24)

June-July Activity 20: You have \$3.84 total ($3.00 + .50 + .30 + .04$)

June-July Activity 21: (Number must be a multiple of both 5 & 6) - **30, 60, 90**

June-July Activity 22: 8:00 am + 1.30 hours = **9:30 am**

June-July Activity 23: $52 - 36 =$ **16**

June-July Activity 26: $46 + 55 =$ **101**

July-August Activity 2: 29, 38, 47, 56, 65, 74, 83, 92

July-August Activity 4: There are **200 centimeters** in 2 meters

July-August Activity 5: **3587** is the smallest number you can make, **8753** is the largest number you can make.

July-August Activity 14: 35

July-August Activity 15: 2 $\frac{1}{2}$ hours

July-August Activity 18: $\$7.00 + (\$3.00 \times 3 \text{ kids}) =$ **\$16.00**

July-August Activity 19: **11 inches** in $\frac{1}{2}$ hour ($22 \div 2$)

July-August Activity 20: $12 \times 2 =$ **24**, $12 \times 3 =$ **36**, $12 \times 4 =$ **48**

July-August Activity 21: $461 + 10 =$ **471**, $461 - 10 =$ **451**, $461 + 100 =$ **561**, $461 - 100 =$ **361**

July-August Activity 24: 40 miles per hour \times 4 hours = **160 miles** to travel to her friend's house.

July-August Activity 27: (Number must be a multiple of both 5 & 10): **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Rising 4th Grade

June-July Activity 2: 16, 25, 36, 49, 64, 81

June-July Activity 4: 400 fingernails \div 10 on each person = **40 people**, 26 dogs x 2 paws on each dog = **52 paws**

June-July Activity 5: 1 hour 40 minutes, 2 $\frac{1}{2}$ hours

June-July Activity 14: 2 triangles should be colored

June-July Activity 15: $\$1.29 \times 2 =$ **$\$2.58$ total cost for 2 pens**, $\$10.00 - \$2.58 =$ **$\$7.42$ change back** from $\$10.00$ bill

June-July Activity 16: 75,643: **3** is in ones place, **6** is in hundreds place, **7** is in the ten thousands place

June-July Activity 17: 7:30 to 8:15 = 45 minutes - 10 minutes to get ready = **35 minutes** to walk there.

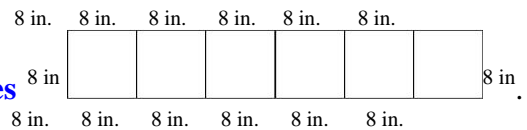
June-July Activity 18: $4\text{cm} + 4\text{cm} + 3\text{cm} + 3\text{cm} =$ **14cm perimeter**, $4\text{cm} \times 3\text{cm} =$ **12cm area**
 $5\text{ in} + 5\text{ in} + 5\text{ in} + 5\text{ in} =$ **20 inch perimeter**, $5\text{ in} \times 5\text{ in} =$ **25 in area**

June-July Activity 20: $56 \div 16 =$ **$3 \frac{1}{2}$ lbs.**

June-July Activity 21: 4 cups in 1 quart and 4 quarts in 1 gallon therefore $4 \times 4 = 16$ cups in 1 gallon and $16\text{ cups} \times 4\text{ gallons} =$ **64 cups in 4 gallons.** (2 pints in 1 quart) - **32 pints** in 4 gallons.

June-July Activity 22: $8\text{ ft} \times 10\text{ ft} =$ **80 square feet**

June-July Activity 23: The perimeter of the row of tiles is **112 inches**



June-July Activity 24: $18 + 14(18-4) = 32$ pots painted in 1 hour x 3 hours = 96, $\frac{1}{2}$ of 32 = 16, **$96 + 16 = 112$**

June-July Activity 25: **124578, 875421**

June-July Activity 28: **9999, 10,000, 10,001**

July-August Activity 2: $432.17 + 19.20 =$ **451.37**

July-August Activity 4: $10:45 - 6:00 =$ **4 hours and 45 minutes**

July-August Activity 5: **area = 48 cm** (12×4), **perimeter = 40 cm** ($12 + 12 + 4 + 4$)

July-August Activity 8: $8:00\text{ pm} + 5\text{ hours} =$ **1:00 am**

July-August Activity 11: **8, 150**, Rule = **$\times 25$**

July-August Activity 13: $74 +$ **26** $= 100$, $245 +$ _____ $+$ _____ $= 300$ (**any two numbers that total 55**)

July-August Activity 15: $4 \times 8 =$ **32 crayons**

July-August Activity 21: 60 seconds in 1 minutes therefore **300** (60×5) **seconds in 5 minutes**
60 minutes in 1 hour therefore **240** (60×4) **minutes in 4 hours**
60 seconds in 1 minutes therefore **150** (60×2.5) **seconds in 2 ½ minutes**

July-August Activity 24: ($7 \times 6 = 42$), ($6 \times 10 = 60$), **49** or **56** are factors of 7 greater than 42 and less than 60

July-August Activity 27: $60 \div 5 = \mathbf{12}$, $55 \div \mathbf{11} = 5$, $50 \div 5 = \mathbf{10}$, $45 \div \mathbf{9} = 5$, $35 \div 5 = \mathbf{7}$

July-August Activity 28: $471 > 147$, ($19 + 7 = \mathbf{26}$) $<$ ($9 + 20 = \mathbf{28}$), ($4 \times 9 = \mathbf{36}$) $=$ ($6 \times 6 = \mathbf{36}$)

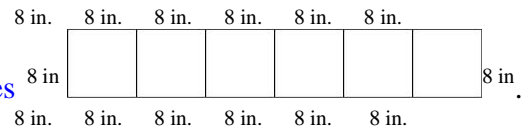
Rising Grade 5

June-July Activity 9: **3,501**

June-July Activity 16: $56 \div 16 = 3 \frac{1}{2}$ lbs

June-July Activity 17: $8 \text{ ft} + 8 \text{ ft} + 10 \text{ ft} + 10 \text{ ft} = 36 \text{ ft perimeter}$, $8 \text{ ft} \times 10 \text{ ft} = 80 \text{ square feet}$

June-July Activity 19: Each friend will receive $\frac{1}{5}^{\text{th}}$ of the cookie



June-July Activity 21: The perimeter of the row of tiles is **112 inches**

June-July Activity 22: H, E, F, I

June-July Activity 25: $3,542 + 100 = 3,642 - 50 = 3,592 + 8 = 3,600$, Yes 3,600 is a square number: $60^2 = 3,600$

June-July Activity 26: 6, 12, 18, 24, 30

June-July Activity 27: $3 \times 4 = 12$ laps that Micah swam each day, $12 \text{ laps each day} \times 7 \text{ days} = 84 \text{ laps}$ in 7 days

June-July Activity 28: 36, 42, 48, 56, 63, 54, 72

July-August Activity 1: $3 \times 2 = 6$ (Sophie runs 6 mph), $6 \times 6 = 36$, $6 \times 9 = 54$

July-August Activity 5: $4,492 \div 10 = 450.2$, $4,830 \div 300 = 16.1$, $4,654 \div 500 = 9.308$

July-August Activity 7: E - 18 pots/hr, Brother $(18 - 4) = 14$ pots/hr $18 + 14 = 32$ pots/hr $\times 3 \text{ hrs} = 96$ pots
 $96 + 16 (32 \times .5 = \text{half an hour}) = 118$ pots can be painted in 3 hours and 30 minutes

July-August Activity 8: $60 + (4 \times 32) + (3 \times 25) + (4 \times 1)$
 $.60 + 1.28 + .75 + .4 = \2.67 total postage on package

July-August Activity 9: 4 quarts = 1 gallon, 1 gallon - 3 quarts (what she drank) = 1 quart more to make a gallon

1 cup = 8 oz., 4 cups = 1 quart therefore $8 \times 4 \text{ cups} = 32 \text{ oz}$ to make a quart

July-August Activity 11: **1483**, odd, less than 2000

July-August Activity 14: $1,971 - 36 = 1,935$
 $2,010 - 1,935 = 75$ (The tree is 75 years old)

July-August Activity 15: $9,999 + 10,000 + 10,001 = 30,000$

July-August Activity 17: 48, 56, 64, 72

July-August Activity 18: **124578, 875421**, $124578 + 875421 = 999,999$, $875421 - 124578 = 750843$

July-August Activity 19: $(5 \times .25) + (1 \times .10) + (2 \times .5) + (4 \times 1)$
 $1.25 + .10 + .10 + .4 = 1.49$, $\$5.00 - 1.49 = \3.51 (Cost of lunch)

July-August Activity 20: 5, 6, 7, 8, 9

July-August Activity 24: **15** - pattern = add all previous numbers to the next number in the pattern