

Summer Math

To get a  in math for the week, you need to complete:

2 (or more) **Activities**

2 (or more) **Counting Patterns** and the **Allowance** problem for the week

Math Activities (complete 2 or more):

	Tally each time completed:
Tiles: Solve the puzzle by placing the 0-9 tiles on the appropriate squares.	
Blockout: Solve the puzzle by placing the colored circles to build the target number. All spaces must be covered!	
Rek-en-Rek work*	
Double digit addition*	

*See instructions on back

Rek-en-Rek work:

- Building numbers

Have your child build a number on the rekenrek, but *without* counting it out! To build 19, they could move all 20 beads, then slide 1 back, or push over 10, then 5, then count on 4 more.

- Quick images

Quickly “flash” a number on the rekenrek (example: 9 on the top, 7 on the bottom), and have your child tell you what number they saw and how they know. If errors happen, say, “That was so fast! Would your answer change if you had more information?” Then show the image again (but still encourage counting 5s or 10s rather than 1s).

- Complete a “string” of mental addition

Have students share their strategy or “prove” thinking on the rekenrek

Here are some example “strings”; You can make up your own as well!

5+5	10+10	8+8	7+7	10+4
6+6	9+9	16-8	14-7	14-10
7+7	8+8	8+7	8+6	14-9
8+8	9+7	15-7	14-8	14-4
9+9	7+7	15-8	14-6	8+8
7+9	6+8	9+9	14-9	16-9
5+6	4+6	18-9	13-6	16-7

Double digit addition:

- Complete a “string” of mental addition

Encourage taking “leaps” of 10, finding landmark numbers, splitting numbers, and making tens

Here are some example “strings”; You can make up your own as well!

26+10	43+20	47+23	53+30	36+30
26+12	43+24	50+20	53+36	36+33
26+22	43+44	40+30	53+46	36+36
44+30	52+30	37+33	37+30	63+20
44+39	52+39	43+27	37+39	63+29
58+21	68+22	45+25	68+22	48+41
63+29	68+29	87+43	68+29	48+29

Counting! (complete 2 or more)

	Tally each time completed:
Count backwards from _____ to _____	
Count forwards/backwards by 2s from _____ to _____	
Count forwards/backwards by 5s from _____ to _____	
Choose a number 1-9: _____ Now count forwards by 10s to 200 or higher	
Choose a number 1-9 and add it to 200: _____ Now count backwards by 10s to your number	
Count forwards by 20	
Count forwards by 25	

Challenges:

Count forwards by 30 or 40	
Count forwards by 8 or 9	

Allowance!

I am encouraging you to give your child a summer allowance 😊. This allowance is earned by your child completing a weekly calculation of how much they are due to receive. Each week, a different amount of change is promised to them for each day, and their job is to calculate their weekly total (what you “owe” them). Once they figure out what that total is, you can give them the actual money!

If your child is stuck:

- Remind them to count the tens and get an idea of how big the number will be.
- Be their pencil: record the strategies and steps they are completing. This is very helpful for spotting errors!
- Some strategies you can suggest:
 - Look for ways you can make tens!
 - Count by _____ (2s, 5s, 3s, etc.)
 - Are there any problems you have already solved that could help you?

If your child makes an error:

- Ask “How did you solve this?” Most often, in explaining their thinking, your child will catch their own error.

After solving (if desired):

- Share a strategy *you* used to mentally solve the problem; discuss what parts of your and your child’s strategy were elegant or efficient.

Allowance

Week of June 11: 14¢ each day

	How much I have:
Monday	14¢
Tuesday	14¢
Wednesday	14¢
Thursday	14¢
Friday	14¢
Saturday	14¢
Sunday	14¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of June 18: 25¢ each day

	How much I have:
Monday	25¢
Tuesday	25¢
Wednesday	25¢
Thursday	25¢
Friday	25¢
Saturday	25¢
Sunday	25¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of June 25: 27¢ each day

	How much I have:
Monday	27¢
Tuesday	27¢
Wednesday	27¢
Thursday	27¢
Friday	27¢
Saturday	27¢
Sunday	27¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of July 2: 18¢ each day

	How much I have:
Monday	18¢
Tuesday	18¢
Wednesday	18¢
Thursday	18¢
Friday	18¢
Saturday	18¢
Sunday	18¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of July 9: 9¢ each day

	How much I have:
Monday	9¢
Tuesday	9¢
Wednesday	9¢
Thursday	9¢
Friday	9¢
Saturday	9¢
Sunday	9¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of July 16: 17¢ each day

	How much I have:
Monday	17¢
Tuesday	17¢
Wednesday	17¢
Thursday	17¢
Friday	17¢
Saturday	17¢
Sunday	17¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of July 23: 23¢ each day

	How much I have:
Monday	23¢
Tuesday	23¢
Wednesday	23¢
Thursday	23¢
Friday	23¢
Saturday	23¢
Sunday	23¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of July 30: **31¢** each day

	How much I have:
Monday	31¢
Tuesday	31¢
Wednesday	31¢
Thursday	31¢
Friday	31¢
Saturday	31¢
Sunday	31¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of August 6: 34¢ each day

	How much I have:
Monday	34¢
Tuesday	34¢
Wednesday	34¢
Thursday	34¢
Friday	34¢
Saturday	34¢
Sunday	34¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of August 13: 19¢ each day

	How much I have:
Monday	19¢
Tuesday	19¢
Wednesday	19¢
Thursday	19¢
Friday	19¢
Saturday	19¢
Sunday	19¢
Week's Total:	

Challenge:

How much so far this summer?	
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Allowance

Week of August 20: 24¢ each day

	How much I have:
Monday	24¢
Tuesday	24¢
Wednesday	24¢
Thursday	24¢
Friday	24¢
Saturday	24¢
Sunday	24¢
Week's Total:	

Challenge:

How much so far this summer?	
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