



Mr. Allee & Dr. Dave



Fairview Elementary
2024–2025

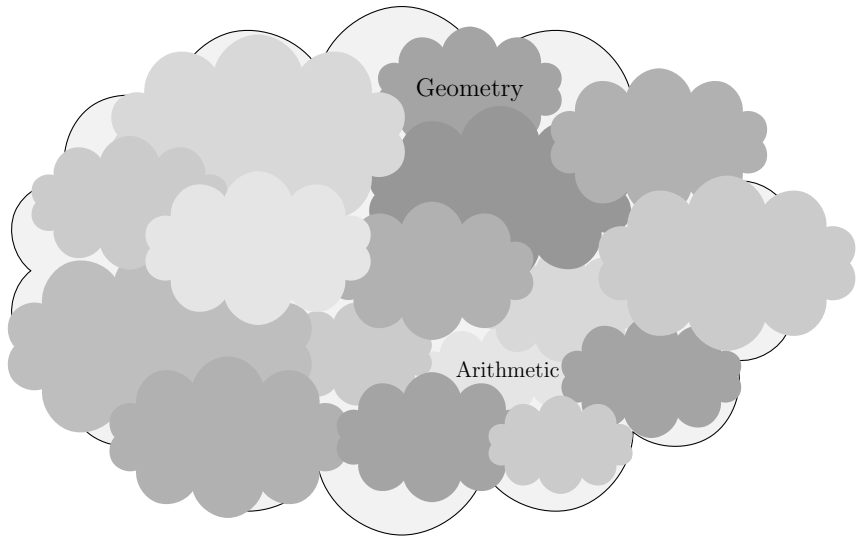
Introductions

Say your:

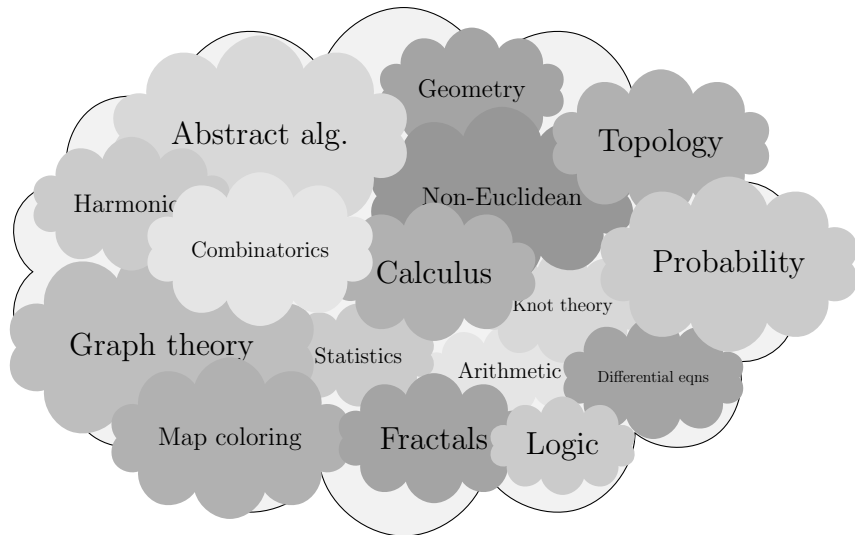
- ▶ Name/nickname (what you want us to call you)
- ▶ Grade
- ▶ Something in math you don't know
- ▶ Example: Dr. Dave; grade 21+; don't know any knot theory

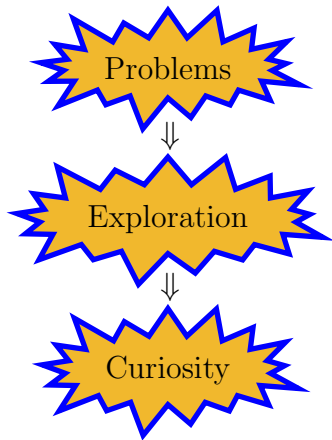
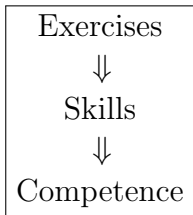
What is math?

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A magic trick

Instructions: cover/shade any four vertical
or any four horizontal



Then, Dr. Dave will **immediately** tell you their sum!

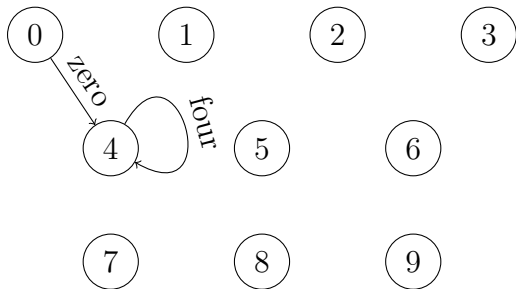
A magic trick

Cover four horizontal  or vertical 

0	3	9	1	7	0	3	9	1	7	0	3
4	5	2	8	1	4	5	2	8	1	4	5
7	6	0	4	3	7	6	0	4	3	7	6
8	4	6	2	0	8	4	6	2	0	8	4
1	2	3	5	9	1	2	3	5	9	1	2
0	3	9	1	7	0	3	9	1	7	0	3
4	5	2	8	1	4	5	2	8	1	4	5
7	6	0	4	3	7	6	0	4	3	7	6
8	4	6	2	0	8	4	6	2	0	8	4
1	2	3	5	9	1	2	3	5	9	1	2
0	3	9	1	7	0	3	9	1	7	0	3
4	5	2	8	1	4	5	2	8	1	4	5

Number spelling chains


Instructions: 1) pick a number, 2) spell it, 3) count the number of letters, 4) draw an arrow from the first number to its number of letters, 5) repeat...



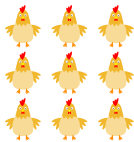
What's the **longest chain** you can make?

Do they **always end on 4**???

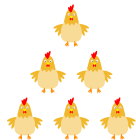
A square triangle?

Imagine you have some, uh, chickens: 

For certain numbers of chickens, you can arrange them into



a square, like



For others, you can arrange them into a triangle, like

⇒ Is there any number of chickens that you can arrange into both a square and a triangle??