



Name of activity:

Magic Number

This activity would work best for (check off all that apply):

- Students in grades JK – 1
- Students in grades 2 – 4
- Students in grades 5 – 8
- Students in grades 9 – 12

What you need for this activity (list of materials):

A regular deck of cards (oversized deck if possible).

What you need to do, step by step (clear, step-by-step instructions which will be easily understood by parents / guardians / caregivers):

This activity can be adapted for all age groups by increasing or decreasing the complexity of the game. It can be played with a large group, small group, pairs or individually. You determine a 'Magic Number', for example 10. The child then collects cards, choosing one at a time, taking turns, and has to use the operations to create a number sentence that equals to 10. An example would be that if a child has a 2, 6, 8, and 5 card in their hand they state that $2 \times 5 = 10$. You can change the 'Magic Number' and use friendly numbers like 5, 10, 20 or use more difficult numbers.

How you could easily adapt / change this activity:

1. **Limit what operations they can use, for example no subtraction.**
2. **Allow older students to use order of operations.**
3. **Reduce the number of cards they can get, for example only use 2-6 when working with younger children.**