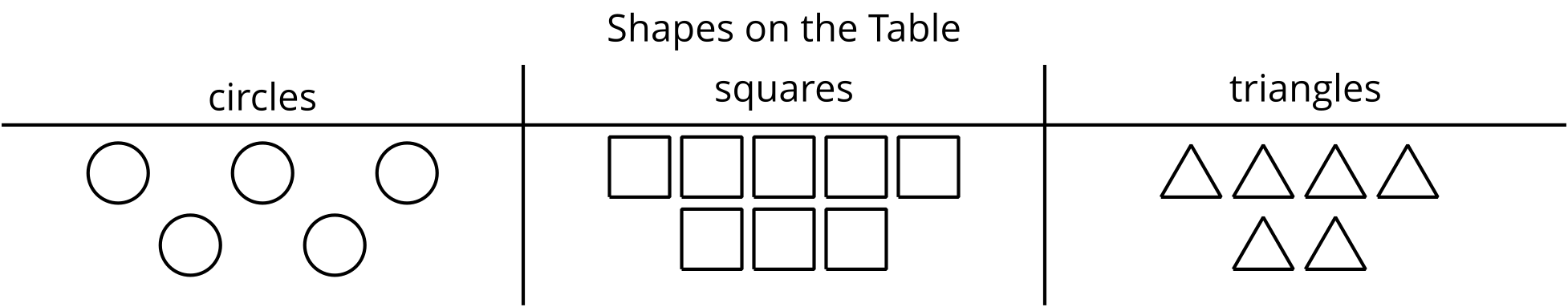
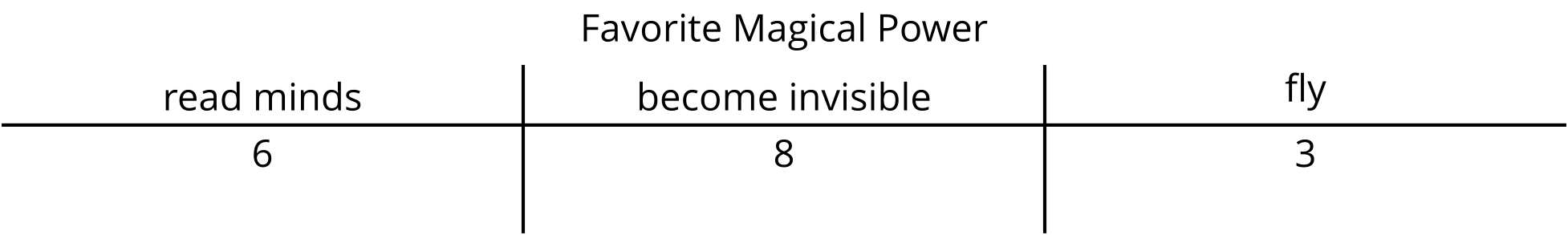
### Section A: Practice Problems

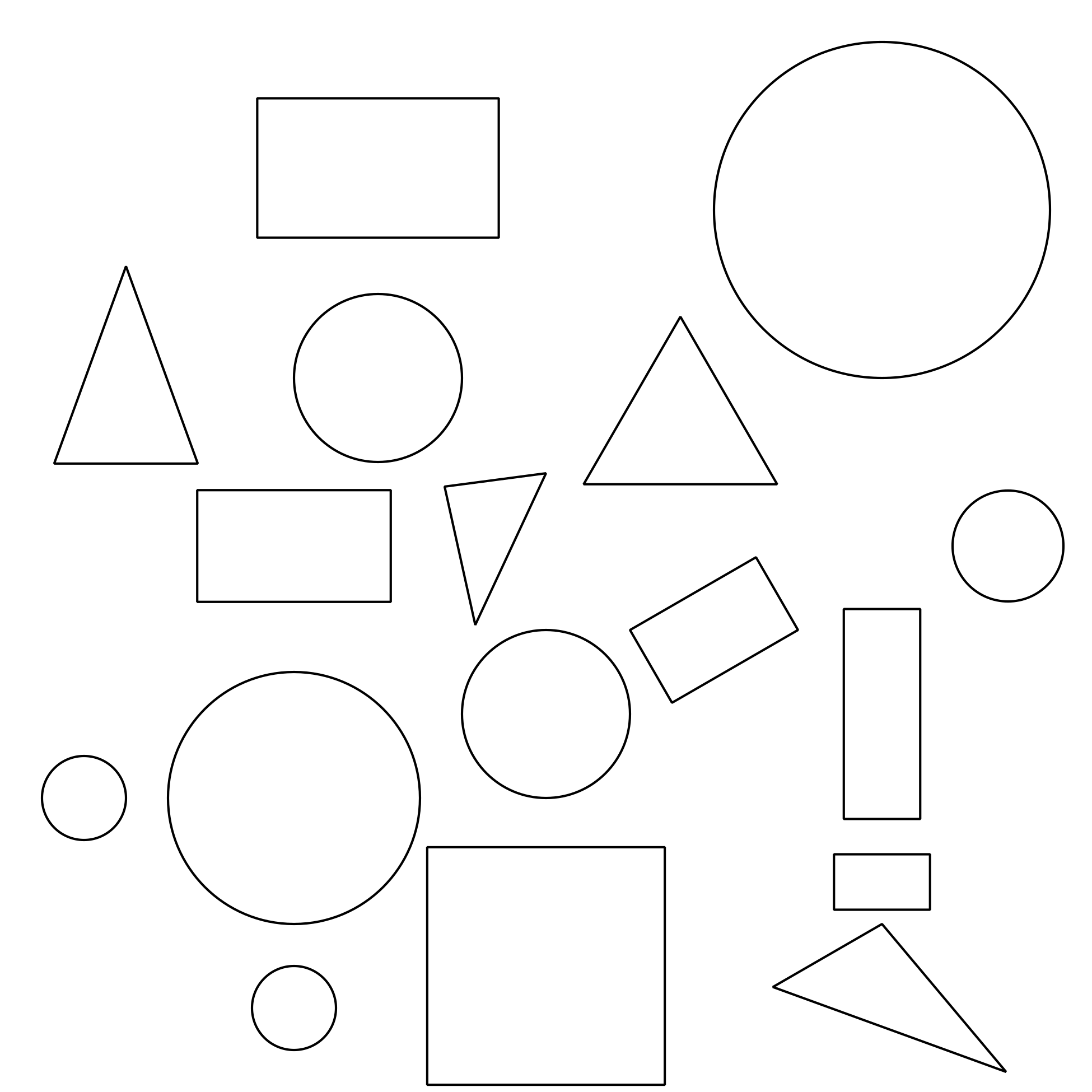
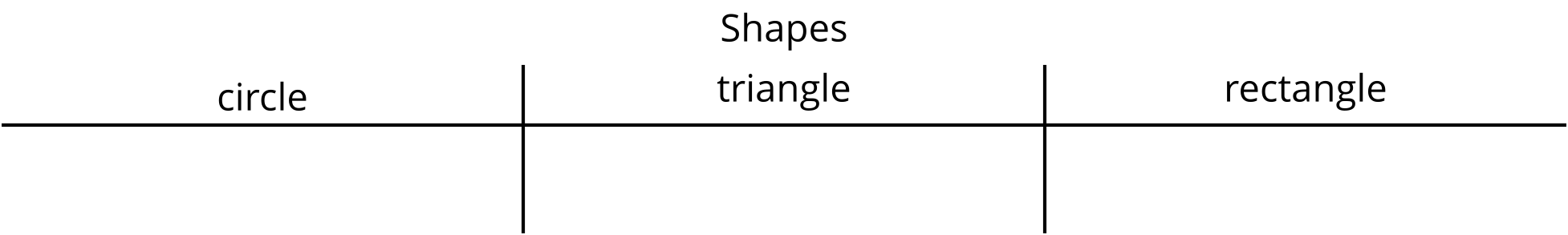
1. Pre-unit

* The picture shows how Jada sorted the shapes on her table.
* 
* Use the picture to answer the questions:
  1. How many squares were on the table?\_\_\_\_\_\_\_
  2. How many triangles were on the table?\_\_\_\_\_\_\_
  3. Which shape has the smallest number?\_\_\_\_\_\_\_

1. Pre-unit

* The table shows the favorite magical powers of some students.
* 
  + How many more students prefer being invisible to flying?
  + How many fewer students prefer flying to reading minds?

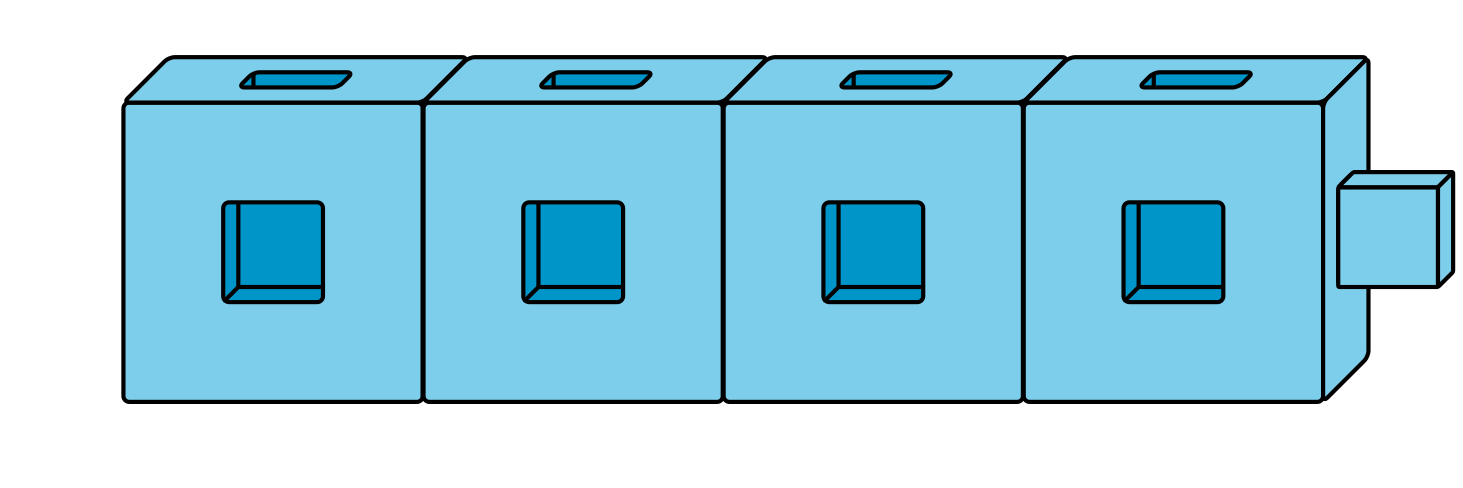
1. Pre-unit

* Here are some shapes:
* 
* Fill out the chart showing the shapes.
* 

1. Find the value of each expression.

* (From Unit 1, Lesson 1.)

1. Jada is playing “What’s Behind my Back?” with Han. Han has 10 cubes and shows Jada these connecting cubes.

* 
  1. How many connecting cubes are behind Han’s back?
  2. What’s an addition equation that you can write that matches the game?
  3. What’s a subtraction equation that you can write that matches the game?
* (From Unit 1, Lesson 2.)

1. Find the number that makes each equation true. Show your thinking using drawings, numbers, or words.

* (From Unit 1, Lesson 3.)

1. Here are the numbers on seven cards:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| * 1 | * 2 | * 3 | * 5 | * 6 | * 7 | * 9 |

* 1. Choose three of the numbers to add to get as close as you can to 20.
  2. Write an equation to show your choice.
* (From Unit 1, Lesson 4.)

1. Find the value of each sum. Show your thinking using drawings, words, or numbers.

* (From Unit 1, Lesson 5.)

1. Exploration

* Choose 3 of these 7 cards and get as close to 20 as possible.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| * 1 | * 3 | * 4 | * 5 | * 7 | * 8 | * 9 |

* 1. Can you make 20?
  2. Can you make 20 in more than 1 way?
  3. Can you make 20 using the 1?

1. Exploration

* Clare has a set of cards numbered 1, 2, 3, 4, 5, 6, 7, 8, 9.  
  She picks out seven of the cards. Clare was NOT able to make 20 with 3 of her 7 cards. Which cards do you think she picked out if she was NOT able to make 20?



© CC BY 2021 Illustrative Mathematics®