

# Math Rules!

4: Three



myself



partners



group

Name \_\_\_\_\_

1. Find the number that belongs to each shape. The same shape always equals the same number.

$$\square + \square + \square = 9$$

$$8 - \text{pentagon} = \text{pentagon}$$

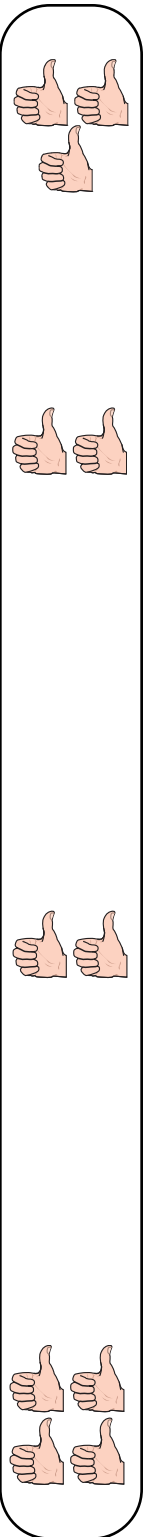
$$\text{pentagon} + \text{triangle} = 9$$

$$\text{circle} + \text{triangle} = 12$$

$$\text{circle} - \text{triangle} = \text{semicircle}$$

$\square = \underline{\quad}$	$\text{triangle} = \underline{\quad}$
$\text{pentagon} = \underline{\quad}$	$\text{circle} = \underline{\quad}$
	$\text{semicircle} = \underline{\quad}$

$$\text{pentagon} \div \text{semicircle} = \text{semicircle}$$



2. What is the smallest 3-digit odd number that does not have a 0 in it? \_\_\_\_\_

3. Use the numbers in the box to write the number with these digit values:

a. 30,000 \_\_\_\_\_ & \_\_\_\_\_

b. 300 \_\_\_\_\_ & \_\_\_\_\_

c. 3,000 \_\_\_\_\_ & \_\_\_\_\_

d. 300,000 \_\_\_\_\_ & \_\_\_\_\_

365,248	463,548
443,986	638,605
232,404	644,319
524,388	378,402

4. Sam has \$100.00. He bought a computer CD for \$40.00 on Monday. Tuesday he sold the CD for \$45.00 Wednesday Sam wanted to buy it back, but the new owner asked \$50.00 for it now. Sam agreed to pay the new price. On Friday he sold the CD a second time for \$55.00. Since the beginning of the week, did Sam make a profit?

YES    NO    How much did he gain or lose? \_\_\_\_\_

5. Complete the number pattern.

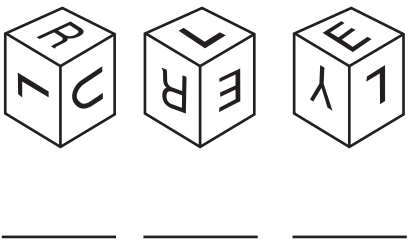
1, 2, 4, 8, \_\_\_\_, \_\_\_\_

5, 6, 11, 12, 17, 18, 23, \_\_\_\_, \_\_\_\_

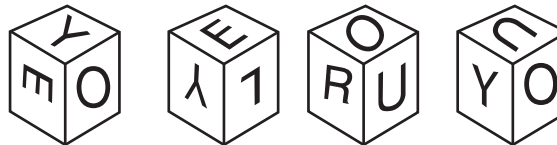
21, 32, 43, 54, \_\_\_\_, \_\_\_\_, \_\_\_\_

1, 1, 2, 3, 5, \_\_\_\_, \_\_\_\_, \_\_\_\_

6. In each figure below, the same six-sided cube is used, but it is in different positions. Find the letter that is on the bottom side of the cube. Watch the direction of the letters.

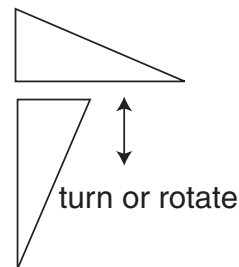
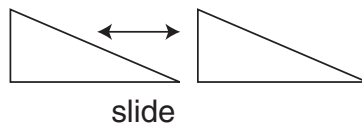
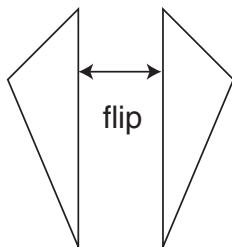


\_\_\_\_\_

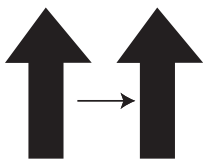


\_\_\_\_\_

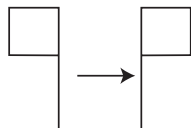
7. FLIP - SLIDE - or TURN.



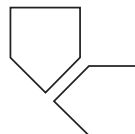
Look at each pair of designs. Label whether the movement is a flip, slide, or turn.



a. \_\_\_\_\_



b. \_\_\_\_\_



c. \_\_\_\_\_



d. \_\_\_\_\_

8. Estimate the perimeter of a typical door in a house.

a. 2 meters

b. 4 meters

c. 6 meters

d. 8 meters



*The power to win comes from within.*

