

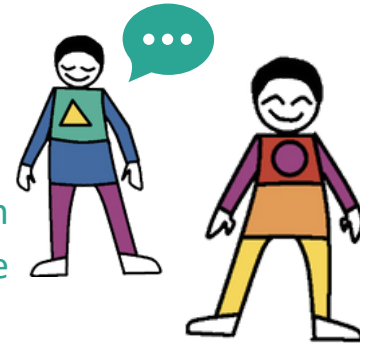
# MATH WHILE YOU WAIT!

## shape sudoku

|   |   |   |  |
|---|---|---|--|
| ◆ | ▲ | ■ |  |
|   | ● |   |  |
|   |   | ● |  |
| ● | ■ | ◆ |  |

Complete the grid so that each row, column, and 2x2 box contains just one of each shape

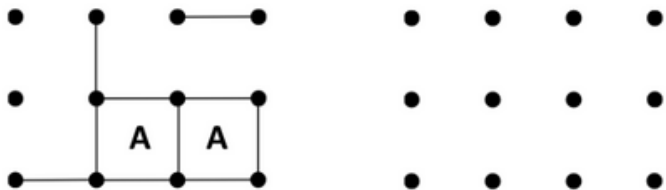
## have a math chat!



Can you find 5 circles from where you're sitting? How are they different from each other?  
Can you find 5 rectangles?

## dots and boxes (2 players)

On your turn, connect two adjacent dots. When you complete a box, score a point and play again. When no more lines can be drawn, the player with the most points wins. Keep score by writing your initial in each box you make.



## fix 8

Cross out some of the numbers so that the remaining numbers in each row and column add up to 8

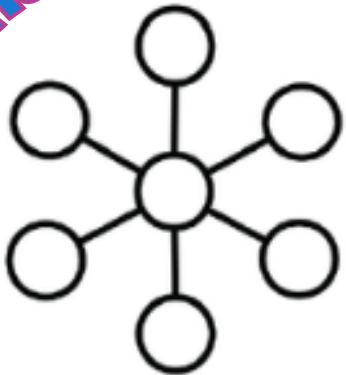
|   |   |   |   |
|---|---|---|---|
| 6 | 3 | 5 | 2 |
| 2 | 1 | 4 | 5 |
| 3 | 4 | 1 | 3 |
| 6 | 4 | 2 | 5 |



Want more? Go to: [earlyfamilymath.org](http://earlyfamilymath.org)

# MATH WHILE YOU WAIT!

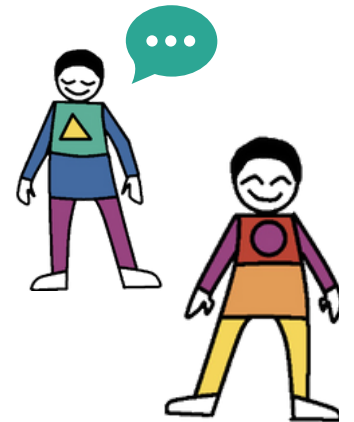
## magic flower



Use the numbers 1 to 7 so that the sums for all straight lines of three circles are the same.

## have a math chat!

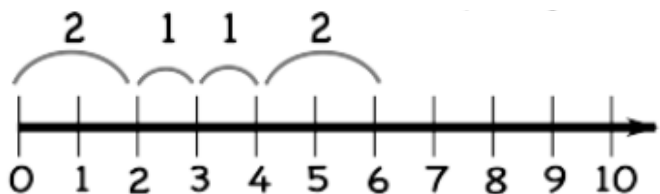
How many chairs are there in this waiting room? How many chairs have people on them? How many will have people on them if 2 more people came?



## nim with 1 and 2 (2 players)

Choose a target number, say 10. Let your child choose to go first or second. Start at 0. Players take turns and choose to add either 1 or 2 to the current total. Count out loud the total after each turn.

The player who lands on the target (e.g. 10) wins.

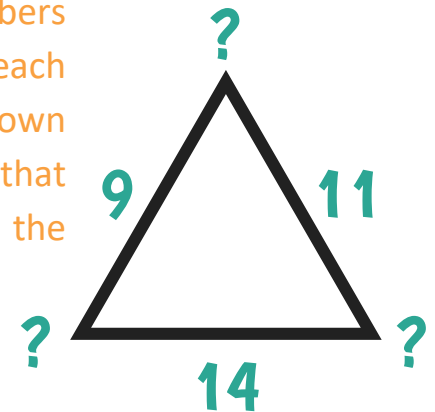


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## ???

## mystery sums

This triangle has secret numbers on its corners. The sum of each pair of secret numbers is shown in the middle of the side that connects them. Can you find the three secret numbers?



# MATH WHILE YOU WAIT!

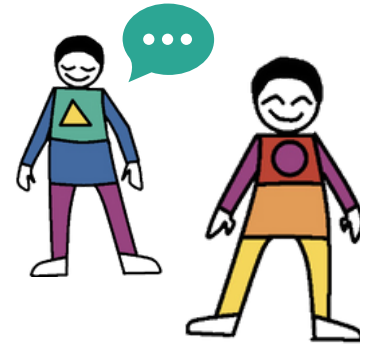
## magic square

|   |   |   |
|---|---|---|
| 8 | 1 |   |
|   |   | 7 |
| 4 |   | 2 |

In this magic square, all of the rows, columns, and diagonals add up to the same number. Can you use 3, 5, 6, and 9 once each to complete this magic square?

## have a math chat!

Can you find something that there are 4 of in this room? What about 2, 5 etc?



## math tic-tac-toe

One player uses only odd numbers, the other uses only even numbers. Take turns putting a number on the board (odd player starts). The first player completing 3 in a row with a sum of 15, using either player's numbers, wins. You may only use a number once!

|   |  |   |
|---|--|---|
| 1 |  | 2 |
| 3 |  | 4 |
| 5 |  | 6 |
| 7 |  | 8 |
| 9 |  |   |



## f \_ ll in the bl \_ nks

Make this sum as close to 1000 as you can by filling in the numbers 1 to 9 once each.

$$\begin{array}{r} \square \square \square \\ \square \square \square \\ + \square \square \square \\ \hline \end{array}$$

1 2 3 4 5 6 7 8 9



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# MATH WHILE YOU WAIT!

## island hopping



Hop from island to island via the bridges and fill out the blanks.

starting number: 1  
ending number: 19  
skip by 3!

## petal problem

In a magical garden only 2 kinds of flowers grow. Flowers with 4 petals and flowers with 7 petals.

Is it possible to pick some flowers so that the total number of petals is 13? How about 15 petals? For which numbers of petals is it possible to pick flowers?



## dress the dog!



This dog loves to dress up and has hats, shirts and pants in both blue and red. How many different outfits can he make?

If he also had a hat, shirt and pants in yellow, how many different ways could he dress up then (hint: you can use colored pencils and draw him)?



## sum square

Fill in the numbers 2, 3, 5, 7, 8, and 9 so all three numbers in a row and column add up to the number next to the row and under the column.

|    |    |    |    |
|----|----|----|----|
| 6  |    |    | 14 |
|    |    | 4  | 14 |
|    | 1  |    | 17 |
| 15 | 12 | 18 |    |