



## What is Pattern Math?

Pretty early on in my teaching career I had heard about a concept called "Fabric Math" to use with my students in the classroom. The idea was simple: buy a piece of fabric, hang it up on a bulletin board, and then create a series of math problems to go along with the design. I loved how you could create specific questions that would either review skills just taught, or review skills that the kids were still struggling with.

I decided to make this activity so that you could print out the "fabric" instead, and still provide a fun way to practice math skills easily with your kids. On each side of the question cards I added the specific Common Core Standard or TEKS skill that the question is targeting. I also added two editable question cards so that you or your kids could come up with their own questions.

## What Is Included:

1. Main design page to hang up
  - You can either print it as 8x11 or even as an 11x17 just to change it up sometimes.
2. Math question cards
  - Common Core Standards on the left side.
  - TEKS are on the right side.
  - 2 editable question cards to write your own questions
3. Vocabulary cards that are specific to the learning for this pattern
  - You can hang these up or hole punch them and put them on a ring so kids can use them for assistance if necessary.
  - Editable cards so you can create additional vocabulary words if needed.
4. Flashcards over the specific vocabulary words for this pattern.
  - Back title page in case you wanted to double side them so there is a back side to the card.
5. Two versions of a recording sheet for kids to show their work and their final answers.

**Main Design & Question Cards with CCS and TEKS listed on each card.**

Question #1:  
★How many blue and pink smiley-face ovals are there?

Question #3:  
★How many ovals are in a row?  
★How many ovals are in a column?  
★How many more ovals are in a row than a column?

Question #5:  
★If 3-D shapes are worth 10 cents, how much is this pattern worth?  
★What coin is worth 10 cents?

Question #6:  
★If the pink smiley-faces are worth 5 cents, how much is this pattern worth?  
★What coin is worth 5 cents?

**Vocabulary Cards with definition and example picture.**

**pattern**  
a repeated sequence of

**column**  
things in a straight line going up and down

**3-dimensional**  
a shape with space inside

**shape**  
objects made by connecting lines together

**row**  
things in a straight line from left to right

**circle**  
a 2-dimensional shape that is closed and has no straight lines

**square**  
a 4-sided flat shape with straight sides that are all the same length

**nickel**  
worth 5 cents

**cube**  
a 3-dimensional shape made up of 6 square faces

**cylinder**  
a 3-dimensional shape with 2 equivalent circles on the ends

**Vocabulary Matching Game Cards.**

Pattern Math Vocabulary Match

pattern

column

shape

circle

square

cylinder

a repeated design or sequence of objects

things in a straight line going up and down

objects made by connecting lines together

a 2-dimensional shape that is closed and has no straight lines

a 4-sided flat shape with straight sides that are all the same length

a 3-dimensional shape with 2 equivalent circles on the ends

**Recording Sheets**

Pattern Math Recording Sheet			Pattern Math Recording Sheet		
Question #1	Question #2	Question #3			
My answer is	My answer is	My answer is			
Question #4	Question #5	Question #6			
My answer is	My answer is	My answer is			

**Editable Versions**

Type your question here.

Type here. Type here.

Type here. Type here.