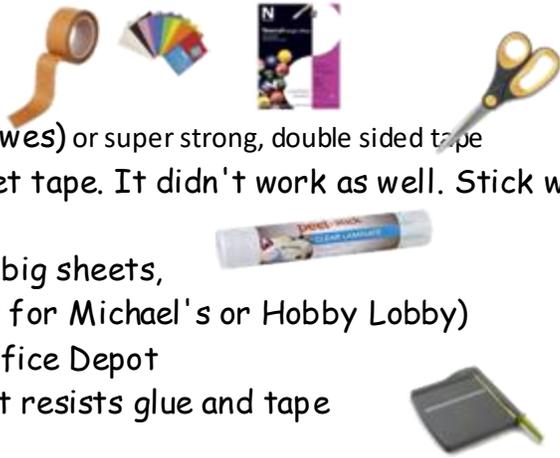


How to Make Tiles - General Directions

Patterning Tiles for Toddlers or Qwirkle Game Pieces,
Math Scrabble Tiles (MÖBI or Equate),
Banagrams, Apple Letters, Pairs in Pears, Almost Scrabble Letter Tiles
Math Infinity Tiles, or Shape Making Tiles

Supplies



- 
- 1) Carpet Tape (Home Depot, Lowes) or super strong, double sided tape
I tried using the Walmart Carpet tape. It didn't work as well. Stick with the Home Depot Brand.
 - 2) 6 * 9 inch Craft Foam or the big sheets,
(utilize the 40 and 50% coupons for Michael's or Hobby Lobby)
 - 3) Card Stock Premium from Office Depot
 - 4) A quality pair of scissors that resists glue and tape
 - 5) A paper cutter
 - 6) Duck Brand Clear Contact Paper (Walmart Kitchen aisle in the shelf liners) Duck Brand is crystal clear unlike other brands. The quality of the finished product looks professional.

Instructions

1. Print the PDF Files on 8.5 by 11 Inch Card Stock
2. Apply clear contact paper to the front, printed side. If you so choose, apply it to the back as well. When making game tiles, I find laminating the back an unnecessary step.



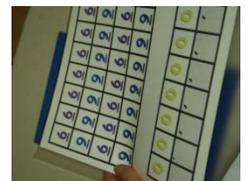
a. No need to trim to the edge of the printed area before applying the contact paper. Save this step for when the craft foam is applied and final cutting takes place.



b. Apply carpet tape or double sided, super strength tape to the back of the printed sheet. Only apply it where there are tiles to be cut. Don't waste tape on dead spaces.



3. Apply the craft foam to the back of the printed sheet.
 - a. !!! Try to line up the edge of the craft foam to the edge of a tile. You don't want the two different craft foam sheets meeting in the middle on the back of a tile. It makes that column of tiles look unfinished.



4. Now, using your scissors or paper cutter, proceed with cutting.



Shape Making Tiles -

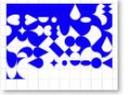
- 1) Print the black, blue, green and red sheets 3 times each. (or 4)
- 2) Apply clear duck brand contact paper to the printed side
- 3) Apply carpet tape to the backside
- 4) Apply craft foam to the backside on to the carpet tape
 - a) I tried this step with the craft foam that already has the sticky side. 3 packs out of 3 packs had numerous sheets where the tacky surface was nearly non-existent. I had to use to carpet tape anyway! So, stick to the plain pack of 65 sheets without the sticky surface.

5) Cut the **all** tiles out with a paper cutter. There is not any margin between the tiles. This is intentional. So, cut carefully!

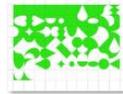
6) Apply small squares of carpet tape to the backside of the cut Black and Green Tiles.



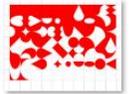
1 Black White.png



1 Blue White.png



1 Green White.png



1 Red White.png



- a) Attach the Black tiles to the same shaped, matching Blue tiles.
- b) Attach the Green Tiles to the same shaped, matching Red Tiles.
 - i) Craft foam glue is perhaps much easier!!!



7) Print 1 (or two) each of the mixed colors sheets. Or, don't print any at all. Your choice!



2 Black red.png



2 Blue Yellow.png

a) Attach the Black/Red to the Blue/Yellow



2 Black yellow.png



2 Blue Red.png

b) Attach the Black/Yellow to the Blue/Red



2 Red Green.png



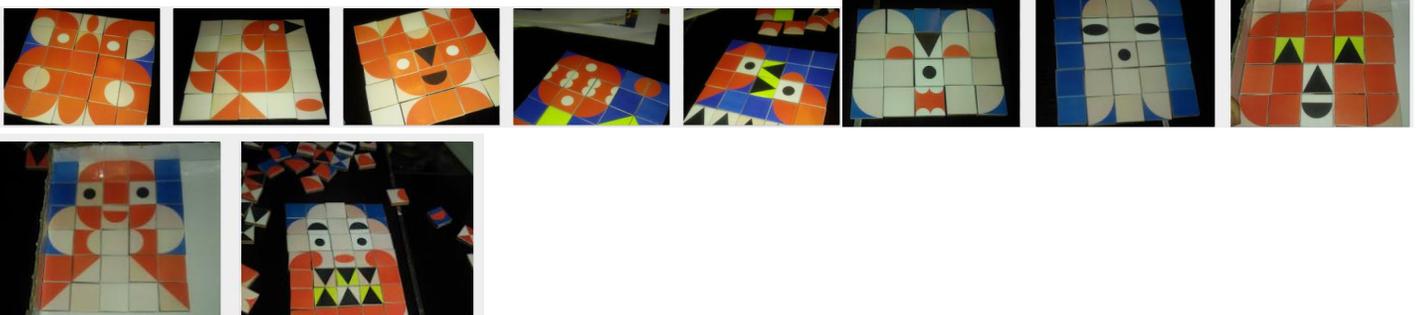
2 Red Yellow.png

c) Attach the Red/Green to the to the Red/Yellow



0 Faces.png

8) Print 1 Copy of the Face Pieces. Attach one set of the same eyes to one set of the same type of nose. Attach the same heart lips to the same large Polka Dot eyes. And So on.



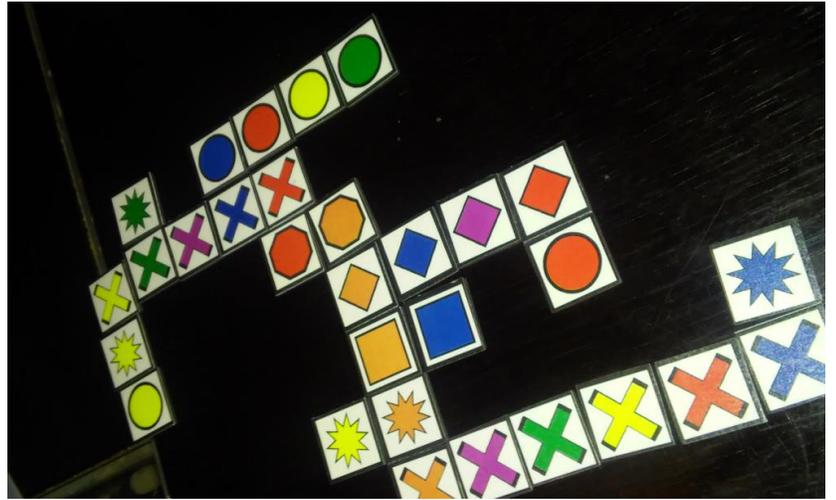
Qwirkle Tiles - One print makes enough for 3 games.

This is quite beneficial as I make one game for us and one game for a friend. The third set is patterning blocks for the teenies in the house. Or, to replace lost pieces.

The file is 6 pages, one page per color.

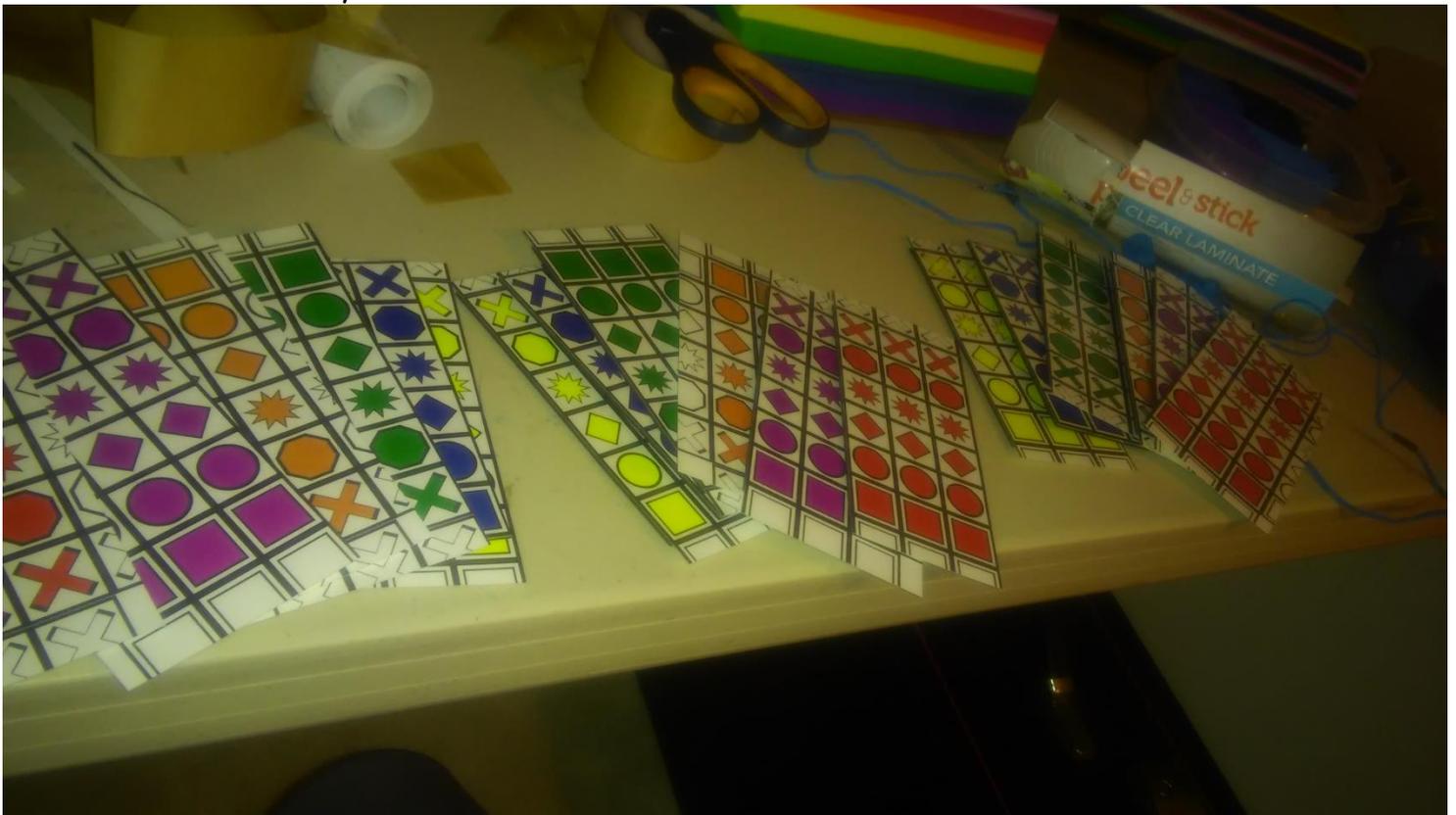
You need

6 pieces of cardstock,
6 pieces of 6*9 inch craft foam,
clear contact paper,
duct tape,
and scissors or a paper cutter.



Utilize the same color of craft foam on the back of all the 6 pages.

The picture below, the craft has already been applied to the back but it isn't easy to see. I used black craft foam but any color would do.



Utilize Youtube to find the game rules or google search

Math Scrabble Tiles (MÖBI or Equate),



Need 5 pieces of 8.5 by 11 cardstock
10 pieces of 6*9 inch craft foam (2 per page)
carpet tape
clear contact paper
scissors or paper cutter
Ziploc Bags



Print the document

Laminate / apply clear contact paper

-Use one color of craft foam for the number tiles and a different one for the symbols.

--It makes it easier to sort them

Our rules of Game Play

1 Point for - + = # minus, plus and equals and any number tiles used

$2+2=4$ is 5 points $12 - 9 = 3$ is 6 points $-9-3=-12$ is 8 points

$5+5+5+5-4=16$ is 12 points

2 Points for (,) parenthesis (when used appropriately in complex formulas) and decimals

$(5+9)*2=28$ $(5-3)*2=(10\div 2)-1$ $10 * .5 = 5$ is 10 points

3 Points for x multiplication sign

$15*3=45$

4 Points for ÷ division sign

$15 \div 3 = 5$

5 Points for / Fraction sign

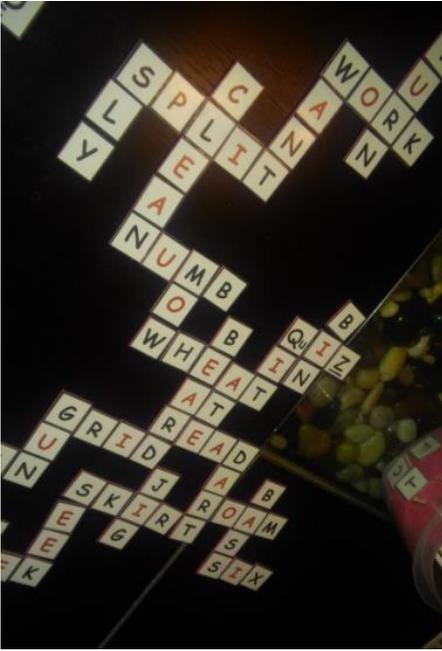
$1/2 = .50$ extra zero is allowed when used appropriately not just as a filler

Group Play

Each player draws 10 number tiles. The equation symbols are left, face up, in a baking pan or tray. The symbols can be used freely throughout gameplay by anyone. There are 10 of each symbol with a few extra (). Player A goes first creating a formula on the table. The next player goes building off the formula. Then the next. Replace any spent number tiles by drawing from the number tiles bowl after your play. Game is over when the first person gets 50 points (or a 100 or 150...)

Single Play - Try to use all the tiles!

Banagrams, Apple Letters, Pairs in Pears, Almost Scrabble Letter Tiles



You need 5 pieces of card stock.

8 pieces of craft foam, different colors is great! , size 6*9 inch
For the letter pages

2 pieces of craft foam, 6*9 inch, same color for both pieces but
different than the 8 sheets needed above
For the one additional points page, the green tiles

There is an extra page of squares in case you want to add
your own special letters.

Our rules:

Each player draws 10 letter tiles. Each player also draws 5 additional green point tiles.

Player one spells a word. They replenish their letter tiles by drawing from the letter bowl. They can choose to utilize their Green Add points cards or not with each play. Should they have a *5, *5 the total letter count, they may want to hold that tile and attempt to spell a 6 letter word versus just a 2 letter word.

Scoring

1 Point per letter

Plus any additional points as directed by the Add Green Points tiles

A player can discard up to 1/2 of their letter tiles, so 5 tiles, in favor of hopefully getting better playing pieces. They also forfeit their turn and must deduct one point for each tile traded in from their score. So, if three tiles were traded in, they would subtract 3 points from their score.

When a player has used all 5 of his "Add Green Points" tiles, he then can draw 5 more and so on. Only one Add Green Point tile can be used per play. Or, they don't have to be used at all. That is your choice! But you can't replace Green Tiles until all 5 of have been utilized.

We choose to play with all of our tiles fully visible on the table. As, this is school and I want to help my kids!

Math Infinity Tiles

The file is 7 pages

You need 7 pieces of CardStock

14 pieces of 6*9inch craft foam, any color, mix and match, doesn't matter

Print, tape, cut and play



We try to make a maze that has one entrance and one exit. Then, ask another family member to find the way in and out.