

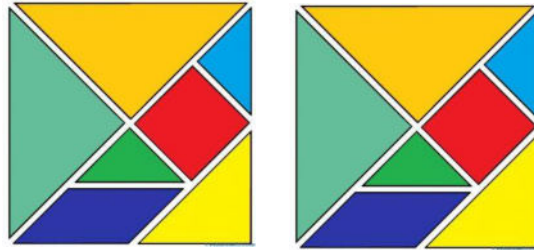
Tangram Polygons 6A

Materials

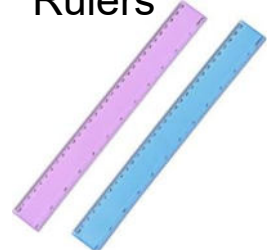
Recording Sheet



Two sets of tangrams



Two Rulers



Directions

1. Place your name on the recording sheet. Choose 3, 4, 5, or 7 as the number of pieces you will use for the game. Write this number on your paper.
1. Using only the amount of pieces you chose, try to build all the polygons.
1. Draw your creation and label with the correct letter on the tangram.
1. Try and find more than one way to build the shape.
1. When finished, choose a different number of pieces and repeat steps 2-4.

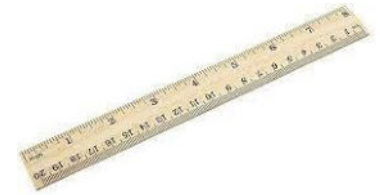
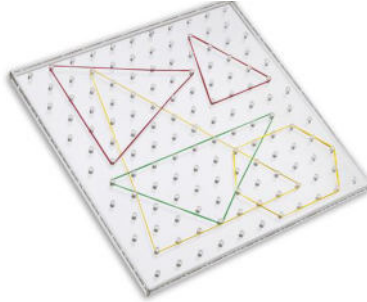
Geoboard Polygons 6B

Materials

Recording Sheet

Geoboard and Rubberbands

Ruler



Directions

1. Choose a recording sheet at the top.
1. Read the description and build the polygon on your geoboard.
1. Use the ruler to draw your shape onto your paper.
1. Once your recording sheet is complete, compare it with a partner.
1. For a challenge, try to describe a polygon to your partner and see if s/he can build it on the geoboard.

Place your name

Guess My Quadrilateral

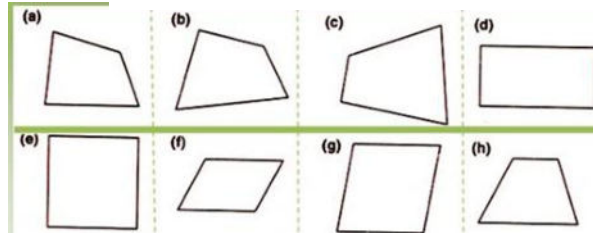
6C

Materials

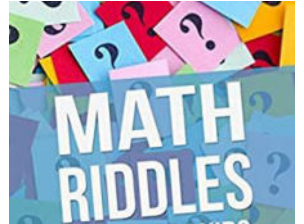
Recording Sheet



Quadrilateral Cards



Riddle Books



Directions

1. Set out your quadrilateral cards and choose a riddle.
1. Read 1 clue and remove the cards that do not fit with the clue.
1. Keep reading one clue at a time and removing cards until 1 shape is left.
1. Check to see if you found the correct shape.
1. Fill in the row on your recording sheet for the riddle chosen.
1. Repeat steps 1-5 for 5 riddles.
1. Answer the questions at the bottom of the recording sheet.

Area or Perimeter ^{6D}

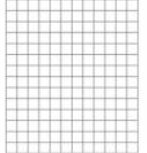
Recording Sheet

2 Dice

80-Tiles

2 sets of Red Lines
Grid Paper

Materials



Directions

1. Decide if you are going to use the same numbers rolled for both area and perimeter. Circle your choice on the paper.
1. Roll the dice. Record the numbers rolled in column 1 and the product in column 2.
1. For area, count out tiles that equal the product. For perimeter, count out red lines to equal the product.
1. Build your shape on the grid paper.
1. Record your dimensions on the paper.
1. Rearrange the tiles and red lines to build a new rectangle. Record the new dimensions.
1. Now, roll the dice again and repeat steps 2-6.