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Try the activities with us What math do you notice?
Contribute to the chat and jamboard https://bit.ly/3qJdCpl

## Can you walk through paper?

## Fold paper in half

Cut a notch along the fold
Keep paper folded while cutting

## Cut paper as shown

## Keep paper folded while cutting



How large was the hole you created? What can you do to make it bigger?

Share your creation: https://bit.ly/3qJdCpl


## To think about:

Can you walk through the hole you cut?
What math did we use?
Share your creation:
https://bit.ly/3qJdCpl
Challenges for later:
Can you walk through an index card? How else could you cut a paper hole?

## What can you do with a paper loop?

## Cut six strips of paper



Use tape or a glue stick to make three loops

Tape or glue two loops together at 90 degree angles

Cut one loop and through the other loop as shown Predict what the new shape will look like before you cut

Cut the straight strip Predict what the new shape will look like before you cut


Share your creation: https://bit.ly/3qJdCpI

## Make a loop

Twist the paper before you tape it together


Cut around the middle of both loops What do you notice?


Make two loops with twists
Make one loop with a twist to the right Make the other loop with a twist to the left

Tape or glue two loops together at 90 degree angles

Tape or glue two loops together at 90 degree angles Predict what the new shape will look like before you cut


Share your creation: https://bit.Iy/3qJdCpl

To think about:
Would you try this with children? What ages? What math did we use?

Share your creation: https://bit.ly/3qJdCpl
Challenges for later:
Explore loops with more twists
Combine and cut other groupings of loops.

## What can you make with tangrams?



Tangrams: A puzzle made up of seven polygons (5 triangles, 1 square, and 1 parallelogram) that are often used to form other shapes.

## Make a Square

Fold
Cut


Rectangle


Fold


Open

Cut along the fold
Set one triangle aside


Gently fold side to side to find the middle Bend and fold the corner Cut along the crease

Fold the trapezoid in half like shown

## Cut along the crease



## Fold the trapezoid so it creates a triangle and a square

 Cut along the crease

Fold the trapezoid so it creates a triangle and a parallelogram Cut along the crease


Fold the large remaining triangle in half Cut along the crease


Try one of these designs
Make a design of your own
Share your creation: https://bit.ly/3qJdCpl


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To think about:
Would you try this with children? What ages? What math did we use?

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Challenges for later:
Explore shapes you can make with tangrams
Reconstruct the square
Visit www.earlymathca.org/tangrams

