

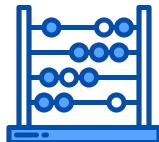


Helping With Math

Partitioning Shapes

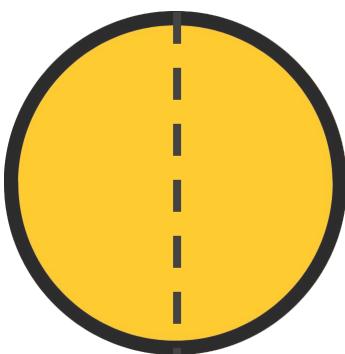


GRADE 1



Partition means to cut or separate something into different pieces. Shapes can be partitioned into equal sized shares like halves, fourths, and quarters.

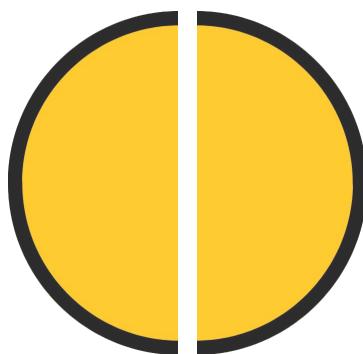
Take a look at this circle below. We can cut it into two equal parts to make 2 halves.



One whole circle



half and half

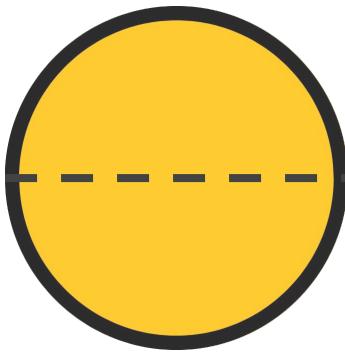


Can be partitioned
or cut into two
halves

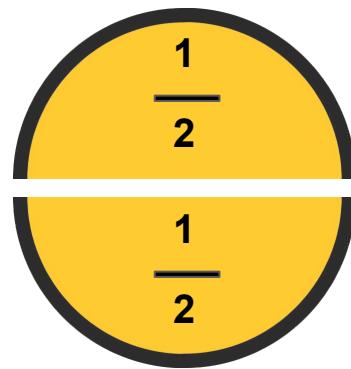


SPLITTING SHAPES INTO HALVES

We can also cut a circle this way...



One whole circle

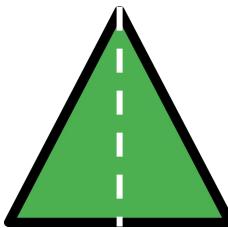


half
and
half

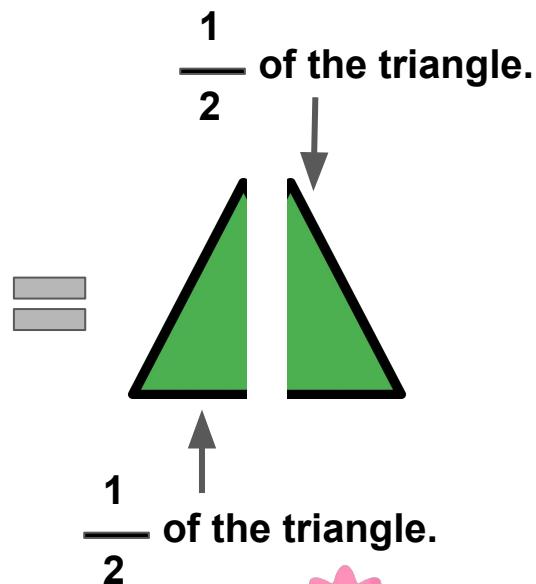
Can be partitioned
or cut into two
halves

Half can be
written as $\frac{1}{2}$

More shape partitions...

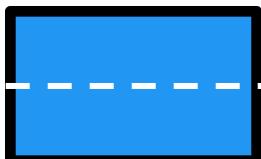
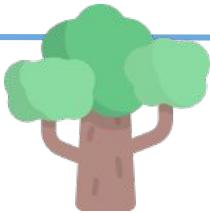


1 whole of
the
triangle.



SPLITTING SHAPES INTO HALVES

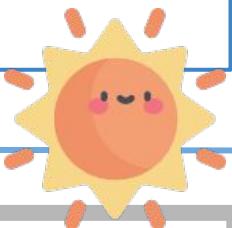
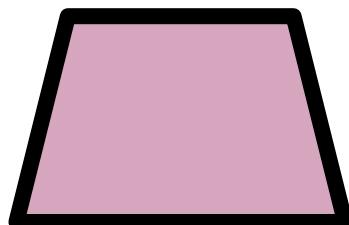
We can cut a rectangle like this..



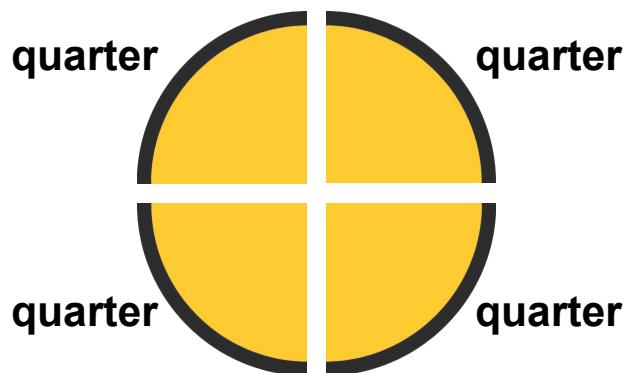
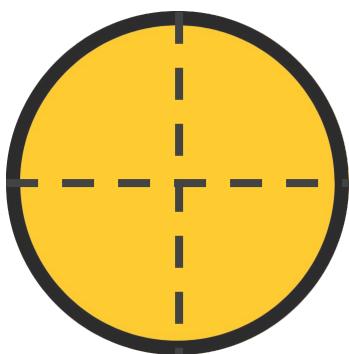
$\frac{1}{2}$ of the rectangle

$\frac{1}{2}$ of the rectangle

Try this. Cut the trapezoid into two equal halves. Then draw the cut parts.



SPLITTING SHAPES INTO FOURTHS

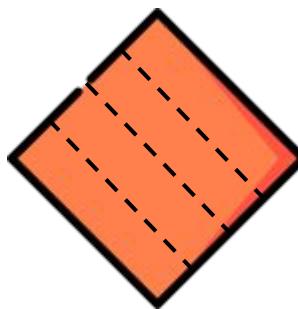
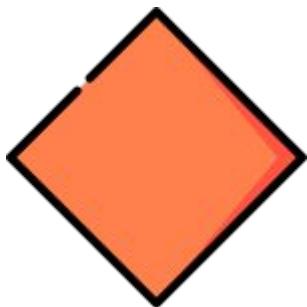
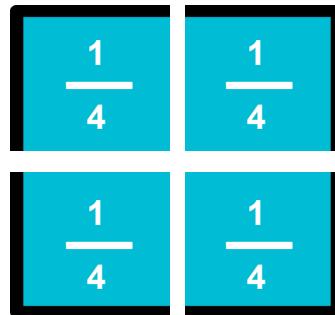
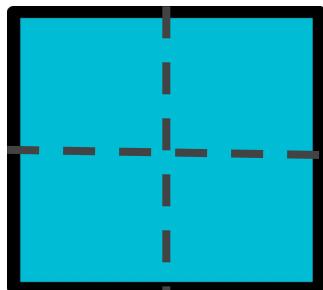


One whole circle

Can be partitioned
or cut into four
quarters



SPLITTING SHAPES INTO FOURTHS



The diamond-shaped figure was split into quarters.

One-fourth can be written as $\frac{1}{4}$

Your task is to cut the green triangle below into quarters.

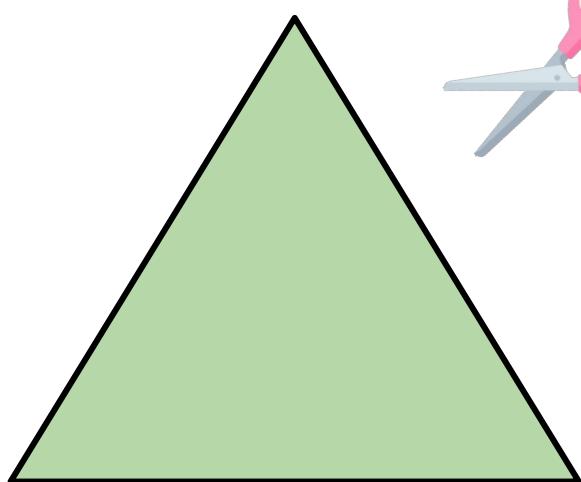


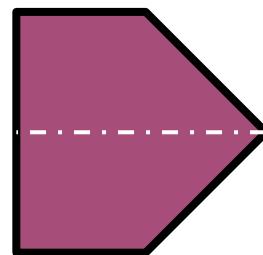
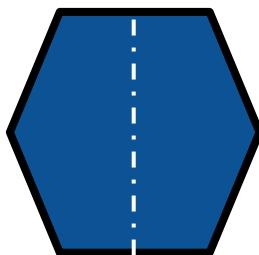
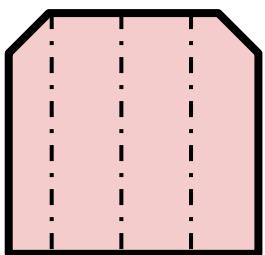
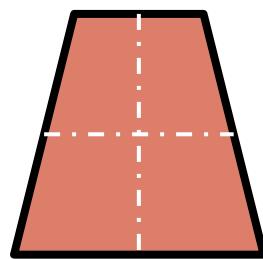
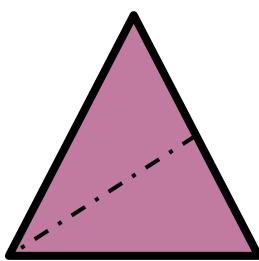
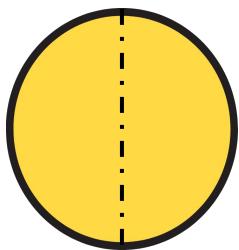
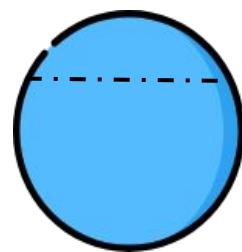
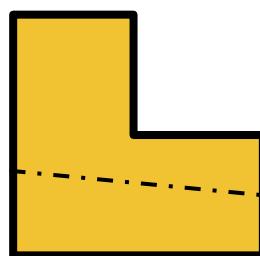
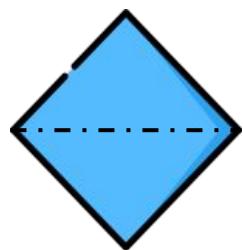
TABLE OF ACTIVITIES

1. Rain Rain, Go Away
2. The Beautiful Sun
3. Flowers in Bloom
4. The Buzzy Bee
5. The Koala Hug
6. Half Banana for Monkey
7. Help the Whale
8. Quarter Moon
9. Save the Mountains
10. I Love Nature



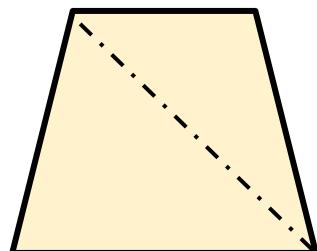
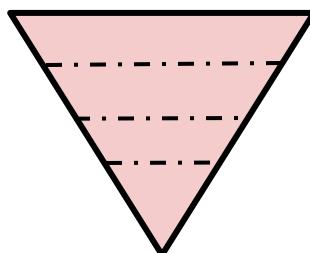
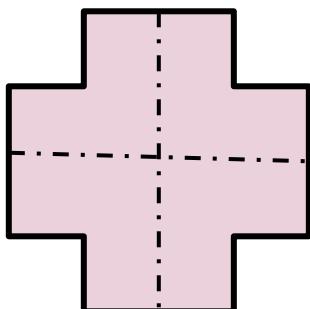
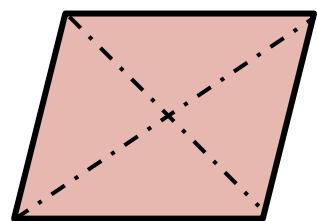
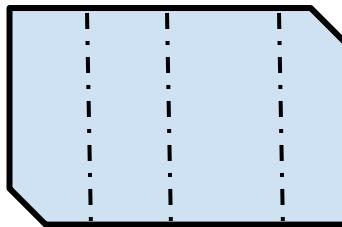
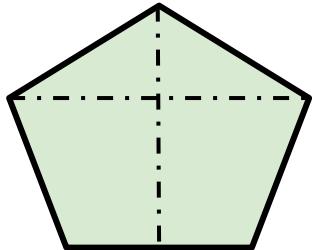
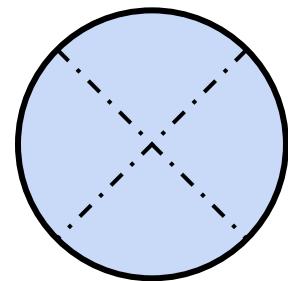
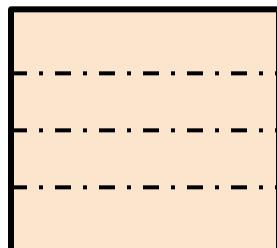
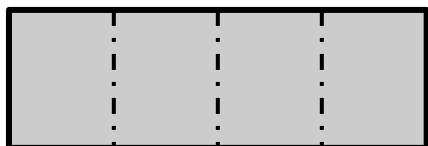
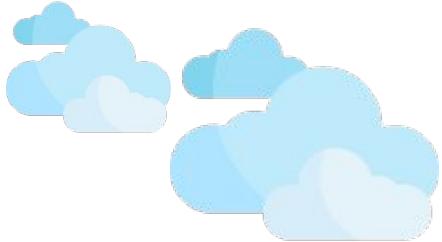
RAIN RAIN, GO AWAY

Make the rain go away by encircling the shapes that have been cut into halves.



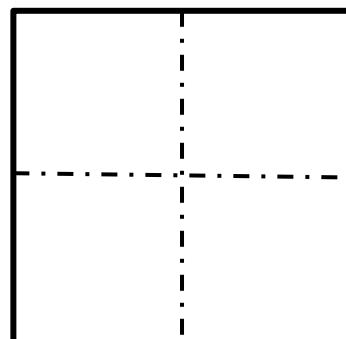
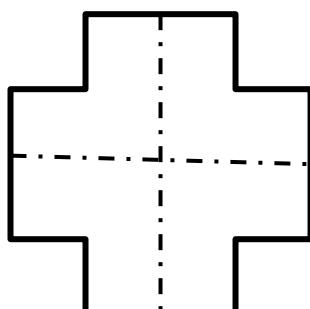
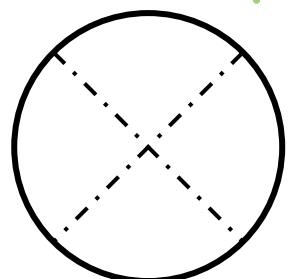
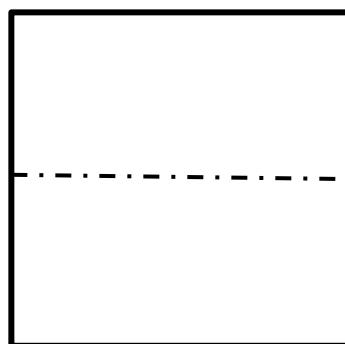
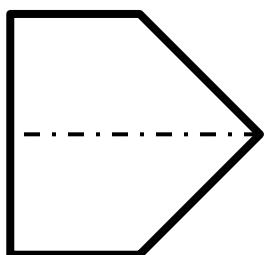
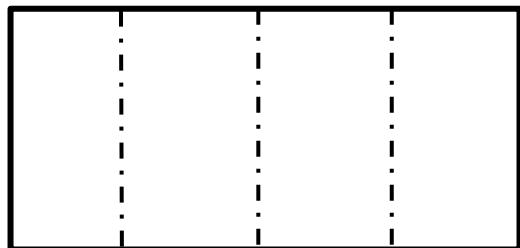
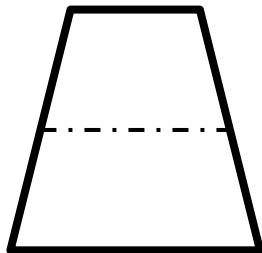
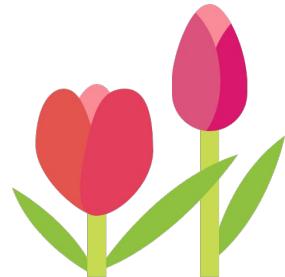
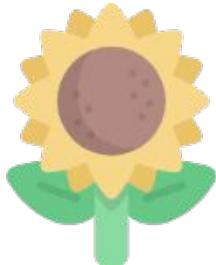
THE BEAUTIFUL SUN

Make the beautiful sun happy by crossing-out the shapes that were cut into quarters.



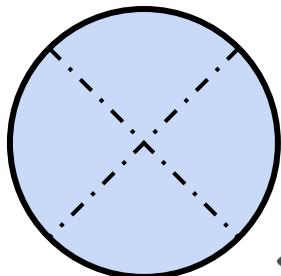
FLOWERS IN BLOOM

Unleash the beauty of the flowers by coloring the shapes split into halves with blue and the shapes cut into quarters by red.



THE BUZZY BEE

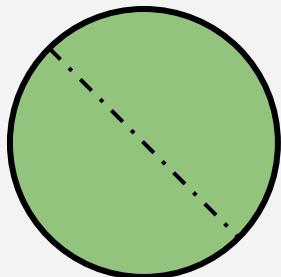
Help the buzzy bee to figure out which fraction part of the shape is shown below. Put a check on your answer.



$$\frac{1}{2}$$



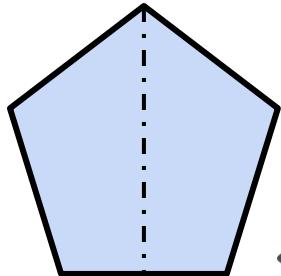
$$\frac{1}{4}$$



$$\frac{1}{2}$$



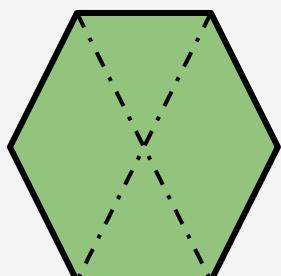
$$\frac{1}{4}$$



$$\frac{1}{2}$$



$$\frac{1}{4}$$



$$\frac{1}{2}$$

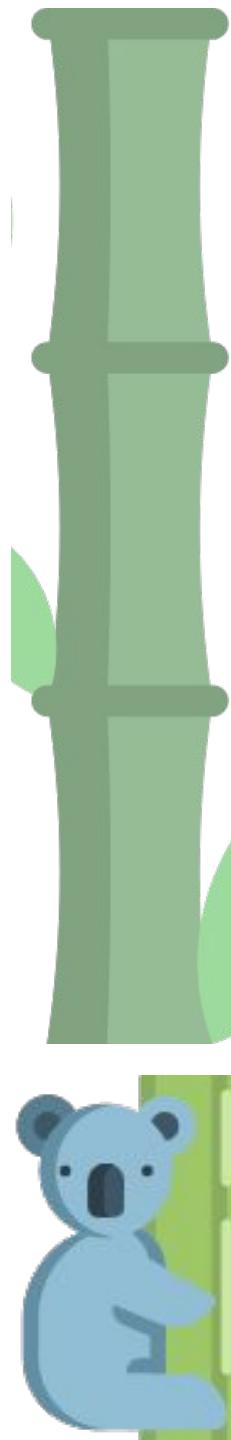


$$\frac{1}{4}$$

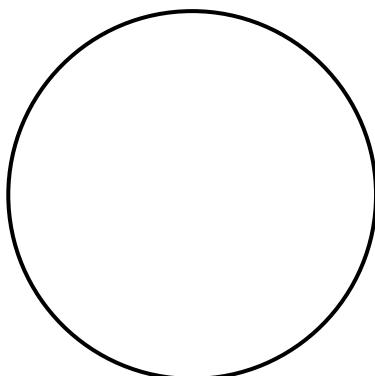


THE KOALA HUG

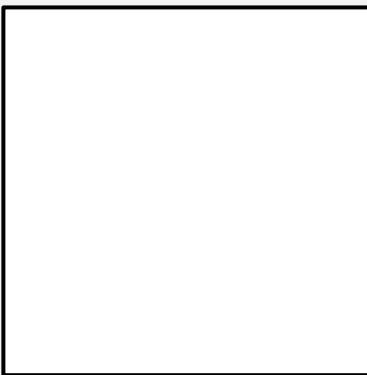
Don't let the koala fall from hugging the branch by coloring the shapes with the given fraction/part.



Color $\frac{1}{4}$ of the circle with green.

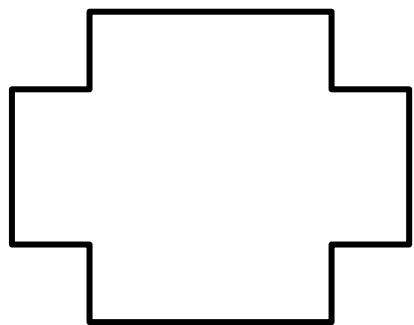
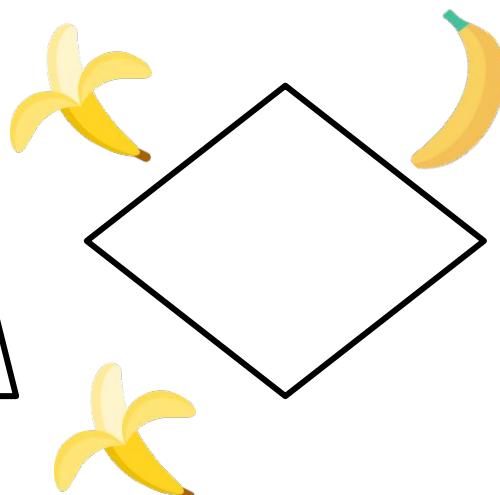
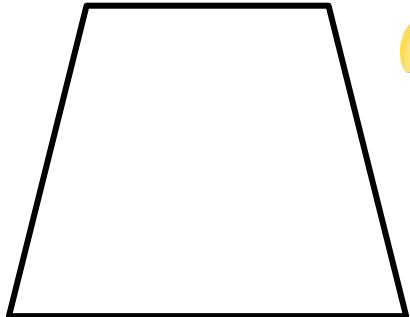
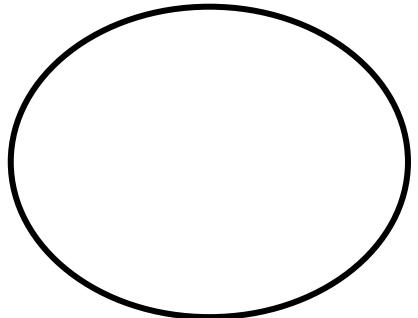
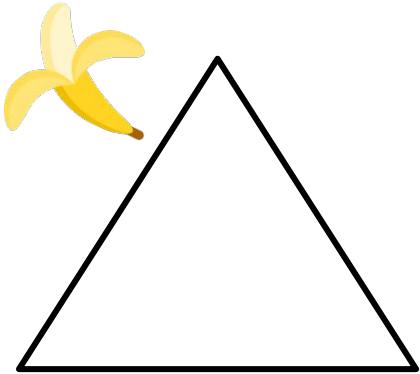


Color $\frac{1}{2}$ of the square with yellow.



HALF BANANA FOR MONKEY

The monkey is hungry and he only wants to eat half of each banana. Feed him by parting the shapes into halves and color a half of it with yellow.

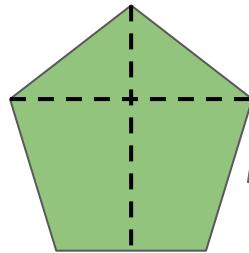
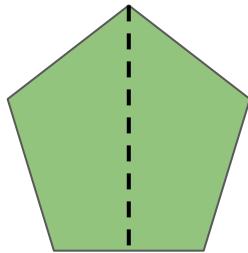


HELP THE WHALE

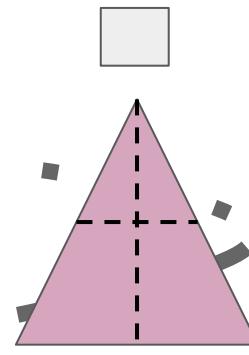
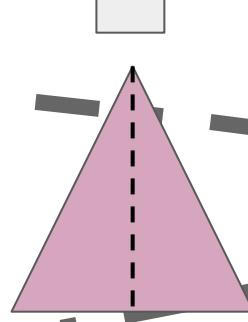
Help Willy, the whale, find his destination in the ocean. Check the box that shows correct representation of shape partitions.



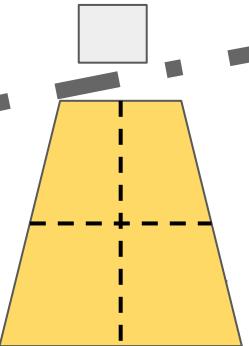
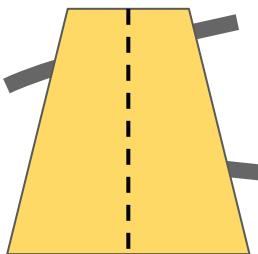
Half of the pentagon



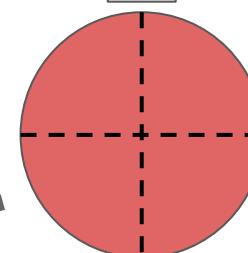
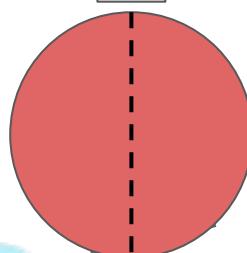
Half of the triangle



Half of the trapezoid



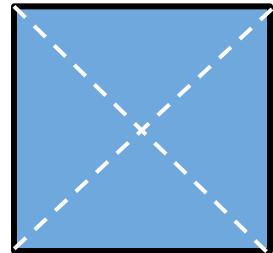
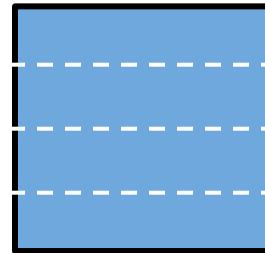
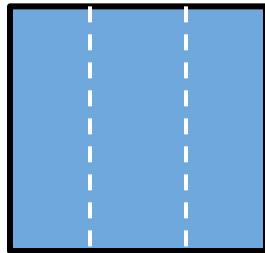
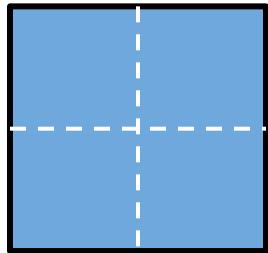
Quarter of the circle



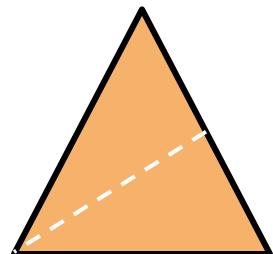
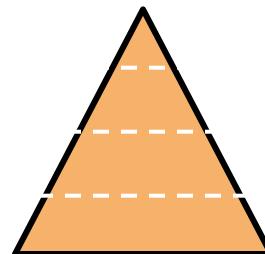
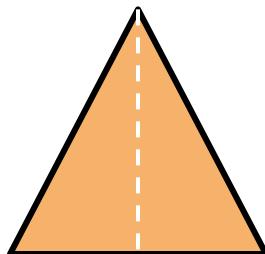
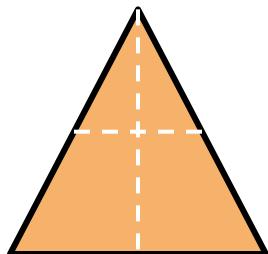
QUARTER MOON

Look at the sky tonight and see the amazing quarter moon. Make the quarter moon happy by doing the tasks below.

Encircle the squares that were split into quarters.



Encircle the triangles that were split into halves.

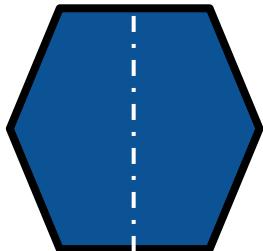


Draw a circle. Cut it into quarters and Color each part with purple.



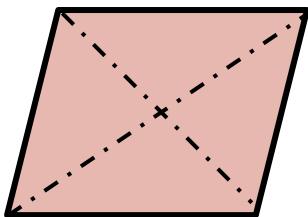
SAVE THE MOUNTAINS

Save the mountains from deforestation by completing the statements below.



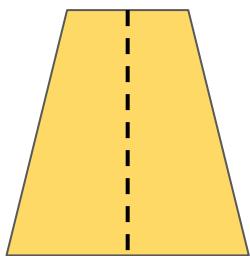
The _____

is cut into _____



The _____

is cut into _____



The _____

is cut into _____

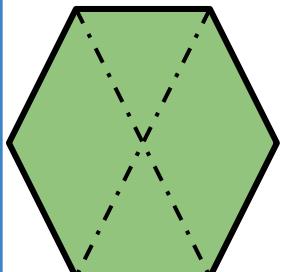
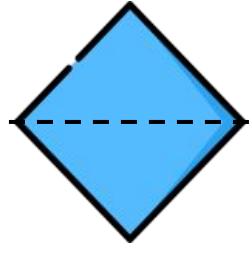
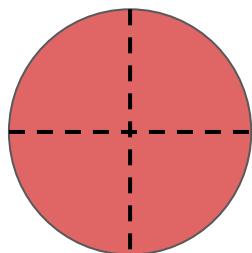
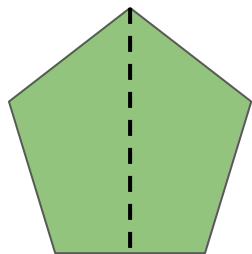


Is it possible to split the pentagon into four equal parts?



I LOVE NATURE

Show your love to nature by writing a sentence that will describe the following shape partitions correctly.



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