

MY Homework

Lesson 7

Partition Shapes

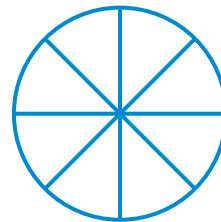
Homework Helper



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Cassie made a pie to take to the family reunion. If she wants to partition the pie into 8 equal pieces, what fraction of the pie's area will each piece represent?

1 The circle represents the pie's area.



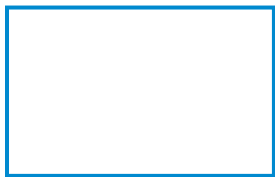
2 Partition the circle into 8 equal sections.

The fraction of the pie's area that each piece represents is $\frac{1}{8}$.

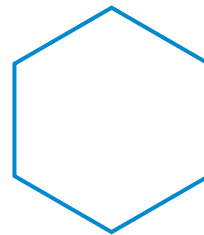
Practice

Partition each figure as indicated. Then write the unit fraction of the figure's area that each equal section represents.

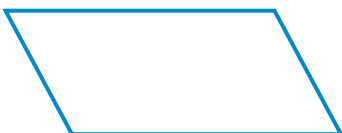
1. 3 equal sections



2. 2 equal sections



3. 4 equal sections



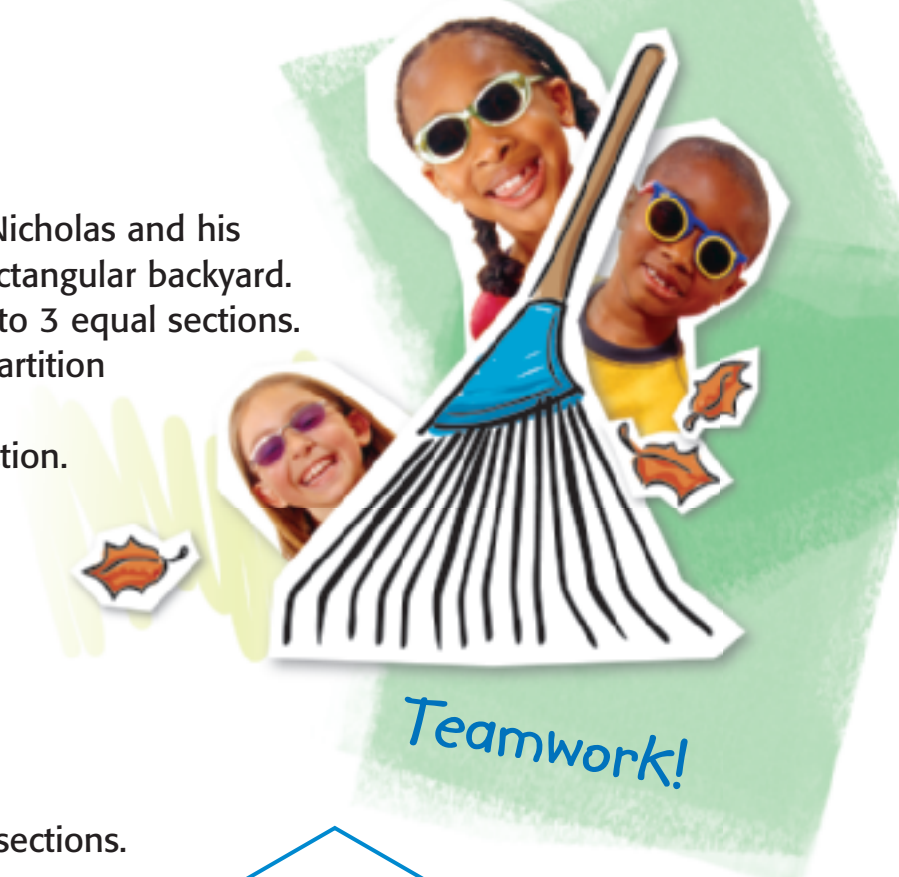
4. 3 equal sections



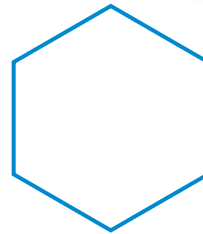


Problem Solving

- 5. Mathematical PRACTICE 5 Use Math Tools** Nicholas and his 2 friends are raking leaves in his rectangular backyard. They decide to partition the yard into 3 equal sections. Each friend will rake one section. Partition the rectangle into 3 equal sections. Label each section with its unit fraction.



- 6.** Partition the hexagon into 4 equal sections. What unit fraction of the hexagon's area does each section represent?



- 7. Mathematical PRACTICE 2 Reason** Draw a circle. Partition the circle into six equal sections. What unit fraction of the total area is each section?

Test Practice

- 8.** For art class, each student was given a piece of paper in the shape of a rectangle. Mrs. Brucker asked the students to partition the paper into 8 equal sections. What unit fraction of the paper's area will each section have?

(A) $\frac{1}{2}$

(C) $\frac{1}{6}$

(B) $\frac{1}{3}$

(D) $\frac{1}{8}$