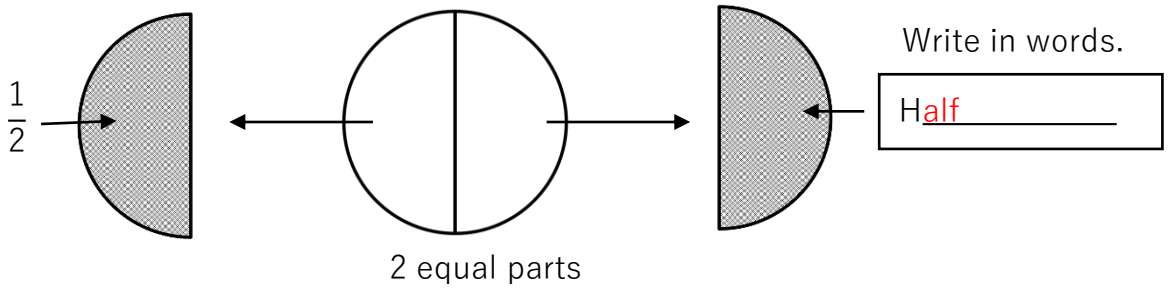
BASIC MATH EXPLAINED
Understand, Learn, Teach

Date:

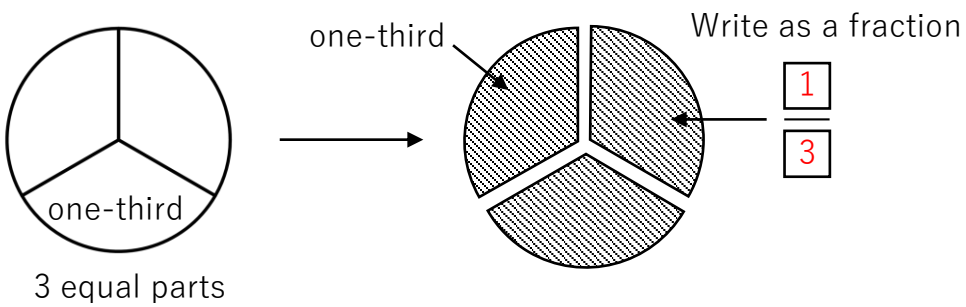
Class:

Name:

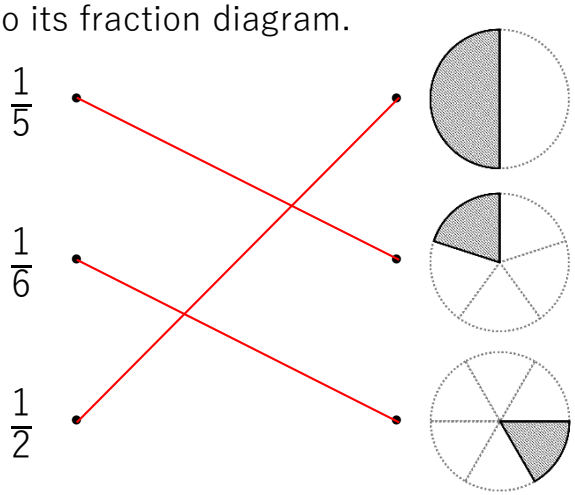
1. A circle is cut into 2 equal parts. What is each part called?



2. The circle below is cut into 3 equal parts. Each part called is called one-third. Write this as a fraction.

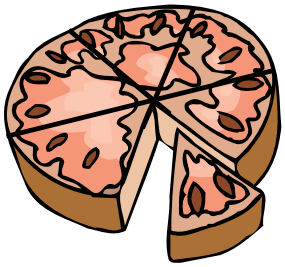


3. Match the fraction to its fraction diagram.



4. Melissa baked a cake. She cut the cake into 6 equal slices. She ate one slice.

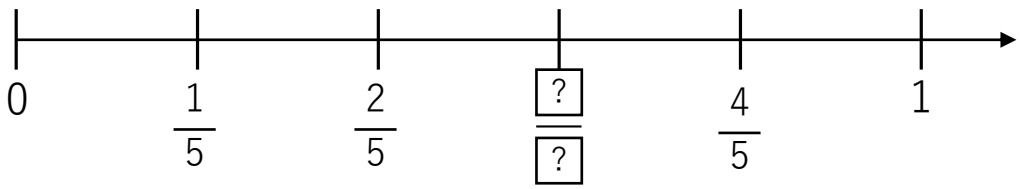
What fraction of the cake did Melissa eat?



1 out of 6 = $\frac{1}{6}$

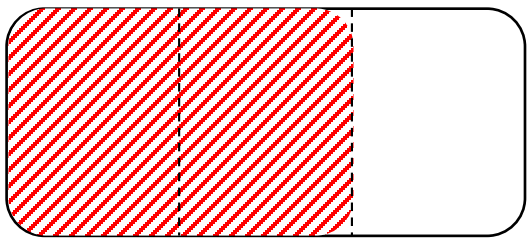
Answer: $\frac{1}{6}$

5. What is the missing fraction?



Answer: $\frac{3}{5}$

6. Alex ate $\frac{2}{3}$ of a bar of chocolate. Shade the portion that Alex ate.

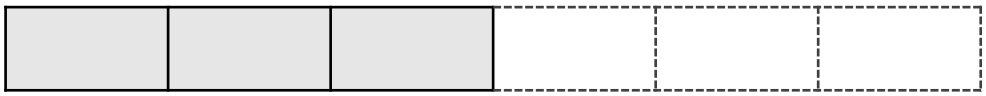


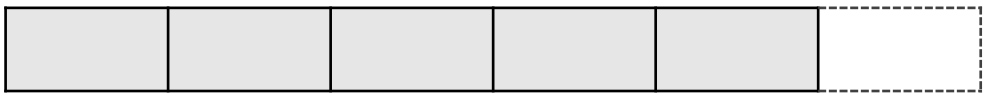
bar of chocolate

7.

Comparing Like Fractions: Fill in the blanks with “greater than” or “smaller than”. Use the fraction models as a guide.

$\frac{1}{6}$ 

$\frac{3}{6}$ 

$\frac{5}{6}$ 

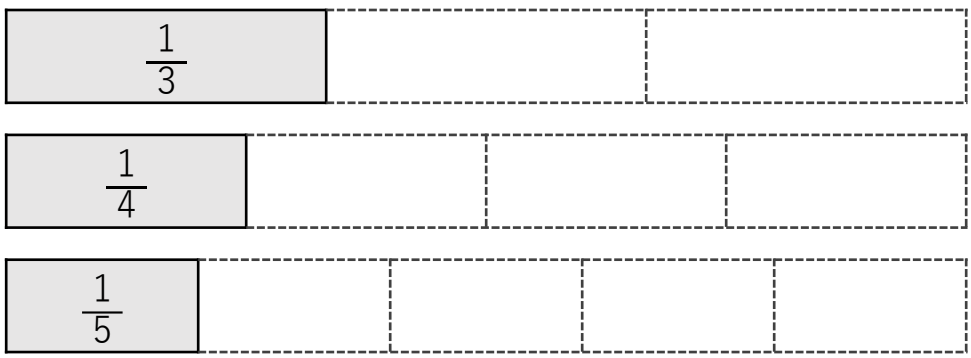
a) $\frac{1}{6}$ is smaller than $\frac{3}{6}$.

b) $\frac{5}{6}$ is greater than $\frac{1}{6}$.

c) $\frac{3}{6}$ is smaller than $\frac{5}{6}$.

8.

Comparing Unlike Fractions. Fill in the blanks with the words “greater than” or “smaller than”. Use the fraction models as a guide.



a) $\frac{1}{3}$ is greater than $\frac{1}{4}$.

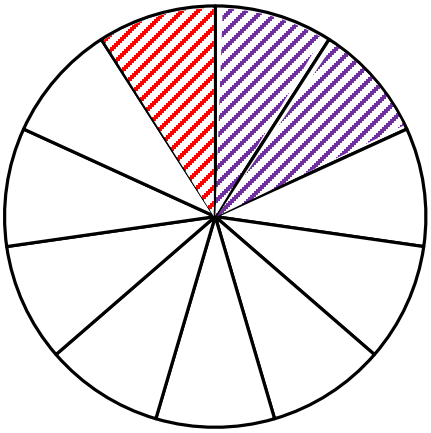
b) $\frac{1}{5}$ is smaller than $\frac{1}{3}$.

c) $\frac{1}{5}$ is smaller than $\frac{1}{4}$.

9. Kelly baked a cake. She cut the cake into 11 equal slices.
She ate one slice of cake.
Her sister ate 2 slices of cake.

a) Shade the portions that Kelly and her sister ate. What fraction of the whole cake did Kelly and her sister eat altogether?

b) What fraction of the cake is there left?

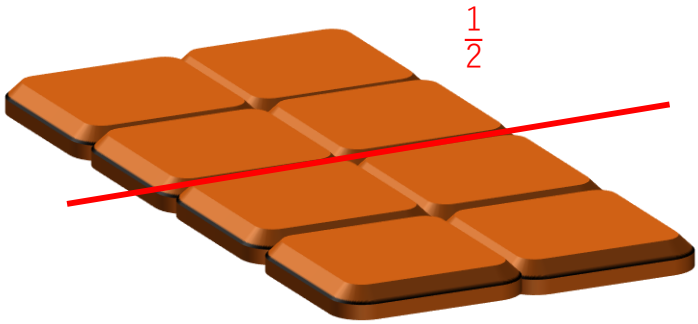


a) $\frac{1}{11} + \frac{2}{11} = \frac{3}{11}$

b) $\frac{11}{11} - \frac{3}{11} = \frac{8}{11}$

Answer: a) $\frac{3}{11}$ b) $\frac{8}{11}$

10. I have a bar of chocolate.
I break it into 8 equal pieces.
I ate $\frac{1}{2}$ of the bar of chocolate.
How many pieces of chocolate did I eat?



Answer: 4 pieces