

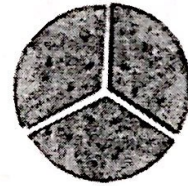
key

AIM: 5-1 I will be able to SIMPLIFY fractions and write EQUIVALENT fractions!

Name _____
Mrs. Ashley

Date _____
Math 6

KEY CONCEPT 1: SIMPLIFYING/REDUCING FRACTIONS



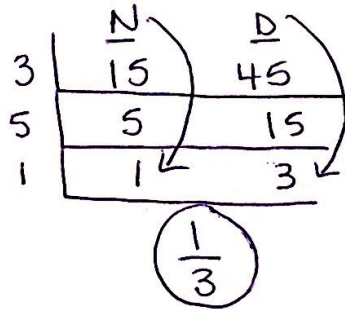
$\frac{1}{3}$ numerator
3 denominator

Traditional Method: Divide both the numerator and denominator of a fraction by any Common factor or the greatest common factor.

$$\frac{15}{45} \div \frac{3}{3} = \frac{5}{15} \div \frac{5}{5} = \frac{1}{3}$$

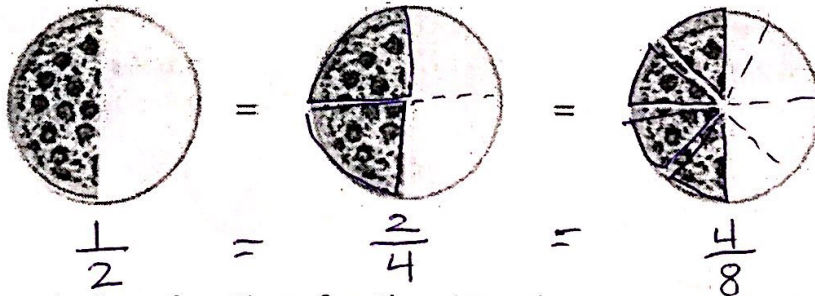
one! one!

Ladder Method: The bottom of the ladder will give the fraction in its lowest form.



KEY CONCEPT 2: EQUIVALENT FRACTIONS

- Equivalent fractions have the same value, even though they may look $\frac{15}{45} = \frac{1}{3}$ different.
- If you multiply or divide the numerator and denominator by the same number, you form an equivalent fraction.

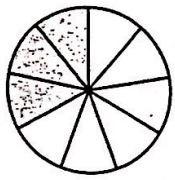


- List two more equivalent fractions for the pizza above.

$\frac{6}{12}$, $\frac{100}{200}$

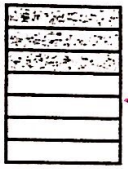
LESSON 4-5 Challenge
Match That Fraction!

Write the fraction that the shaded part of each figure represents. Then match equivalent fractions by drawing lines between numbered and lettered figures.

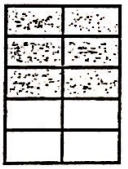
D 1.  $\frac{3}{9} = \frac{1}{3}$

Handwritten work: $\begin{array}{r} N \quad D \\ 3 \overline{) 39} \\ \underline{1} \quad 3 \\ \quad 3 \end{array}$

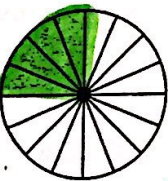
Fraction: $\frac{3}{9} = \frac{1}{3}$

C 2.  $\frac{3}{7}$


Fraction: $\frac{3}{7}$

E 3.  $\frac{6}{10}$

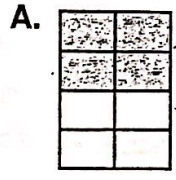
Fraction: $\frac{6}{10}$

B 4.  $\frac{4}{16} = \frac{1}{4}$

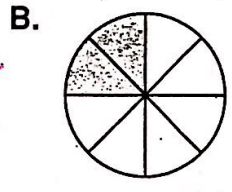
Fraction: $\frac{4}{16} = \frac{1}{4}$

A 5.  $\frac{6}{12} = \frac{1}{2}$

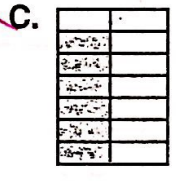
Fraction: $\frac{6}{12} = \frac{1}{2}$



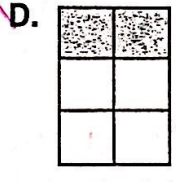
Fraction: $\frac{4}{6} = \frac{2}{3}$



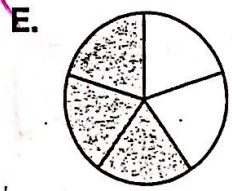
Fraction: $\frac{2}{8} = \frac{1}{4}$



Fraction: $\frac{6}{14} = \frac{3}{7}$



Fraction: $\frac{2}{6} = \frac{1}{3}$



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