FRACTIONS & DECIMALS — This book provides a variety of activities designed to enrich and reinforce skills taught at the fourth through sixth grade levels. The pages are presented in a suggested order, but may be used in any order that best meets your child's needs. Exercises are designed so a child can work with minimal supervision in the classroom or at home. The whimsical characters will entertain and motivate your children. An answer key is included at the end of the book.

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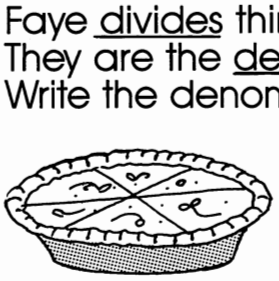
EMP3378 Fractions & Decimals, Grades 4-6
Written by Lynne Aldrich & Wilma Aldrich
Illustrated by Joyce Yarbrough & Don O'Connor
Cover Design by Insight Visual Communications
ISBN 978-1-4291-1466-0

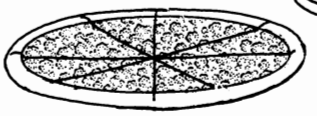
Milliken Publishing Company, a Lorenz company
P.O. Box 802 • Dayton, OH 45401-0802
www.LorenzEducationalPress.com

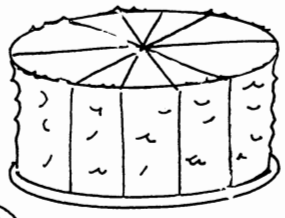
Name_____

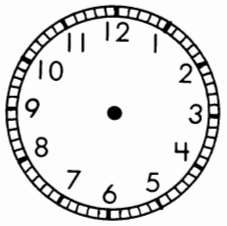
Numerators and Denominators

Faye divides things into equal parts.
They are the denominators.
Write the denominator under each picture.



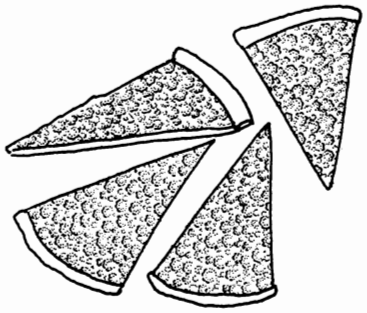






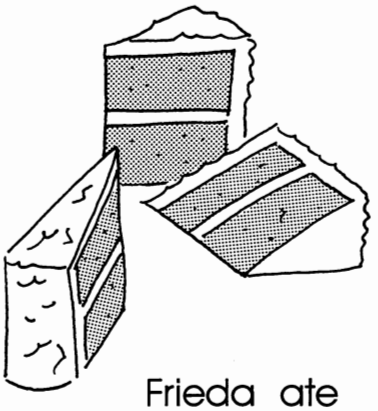
The numerator is the number of parts we are describing.
Write the numerator under each picture.

Fernando ate

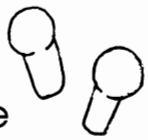


Fred ate

How much time?

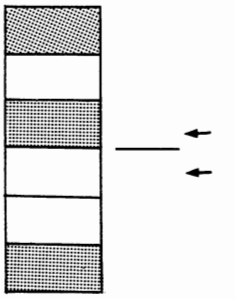


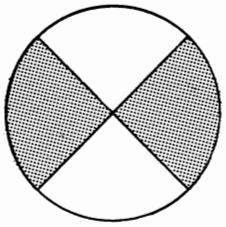
Frieda ate

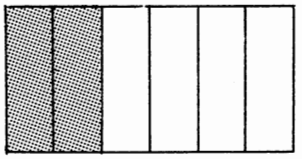


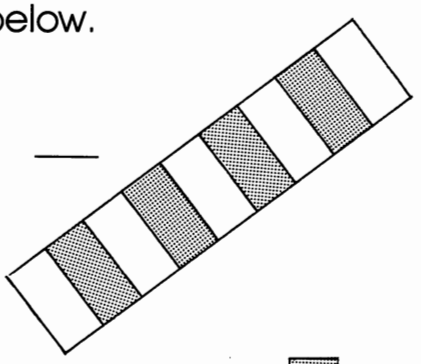
Faye ate

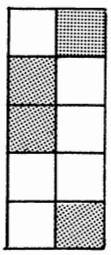
Write the numerator and denominator for each drawing below.

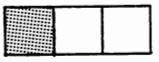


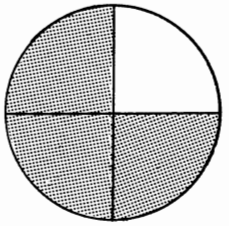


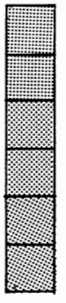


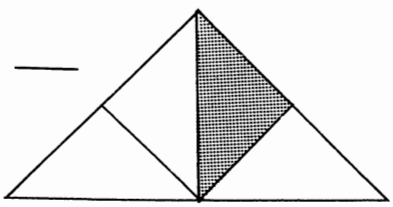


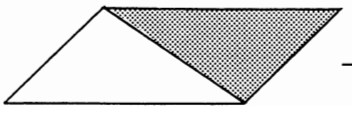








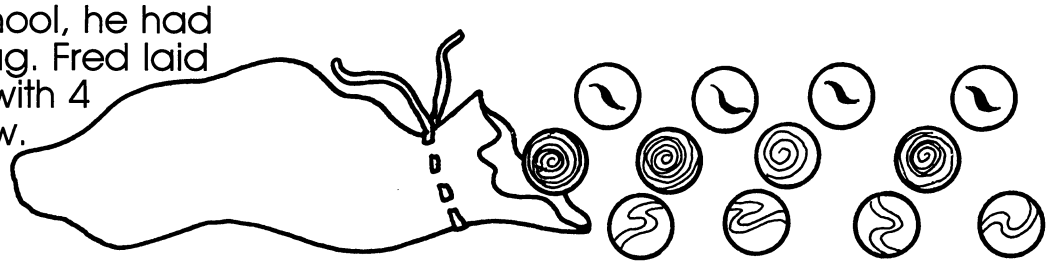




___ or ___

Fred was the marble champion!

When he left for school, he had 12 marbles in his bag. Fred laid them out in 3 rows with 4 marbles in each row.



Frieda wanted to borrow $\frac{1}{3}$ of the marbles. Draw a line through $\frac{1}{3}$ of Fred's marbles. You may write this as a division sentence:

$12 \div 3 = 4$ or $3\overline{)12}^{\,4}$

Write each of these as a division sentence.

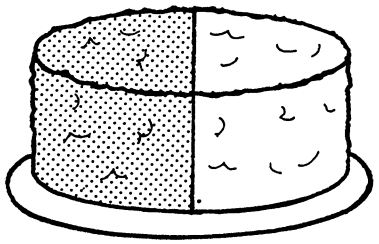
$\frac{1}{3}$ of 9 _____ $\frac{1}{4}$ of 12 _____ $\frac{1}{3}$ of 6 _____ $\frac{1}{2}$ of 10 _____

Now, write a division sentence and the answer for each problem below.

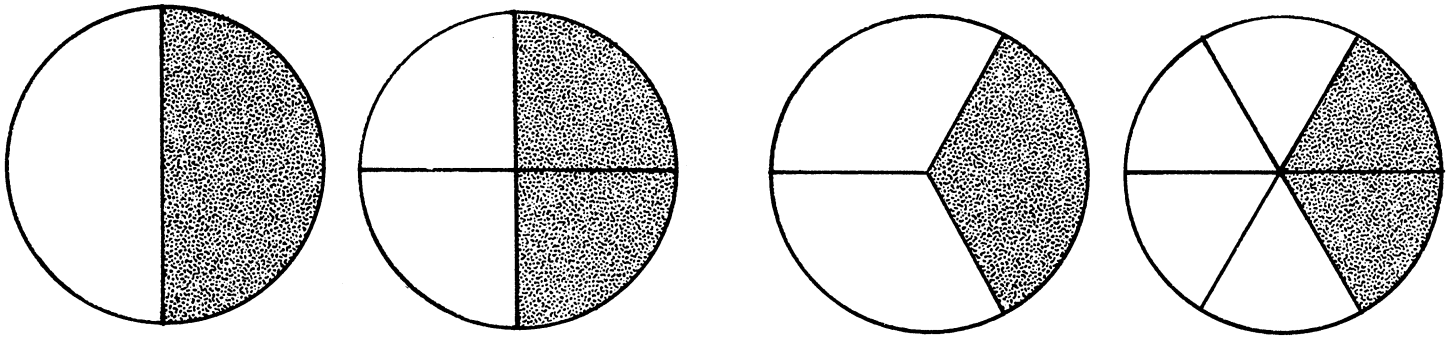
1. $\frac{1}{2}$ of 10 _____ ○
2. $\frac{1}{3}$ of 9 _____ ○
3. $\frac{1}{6}$ of 12 _____ ○
4. $\frac{1}{5}$ of 20 _____ ○
5. $\frac{1}{6}$ of 30 _____ ○
6. $\frac{1}{8}$ of 64 _____ ○
7. $\frac{1}{7}$ of 21 _____ ○
8. $\frac{1}{12}$ of 24 _____ ○
9. $\frac{1}{2}$ of 80 _____ ○
10. $\frac{1}{10}$ of 50 _____ ○
11. $\frac{1}{3}$ of 66 _____ ○
12. $\frac{1}{10}$ of 100 _____ ○
13. $\frac{1}{5}$ of 25 _____ ○
14. $\frac{1}{8}$ of 32 _____ ○
15. $\frac{1}{7}$ of 49 _____ ○

Total Correct
What fraction is that? $\frac{\quad}{15}$

Frieda was hungry. Faye left a cake cut into 2 pieces. Frieda ate $\frac{1}{2}$ of the cake.



If Faye had cut the same cake into 4 pieces, she would have eaten $\frac{2}{4}$ of the cake. $\frac{1}{2}$ and $\frac{2}{4}$ are the same or equal fractions.



$\frac{1}{3}$ and $\frac{2}{6}$ are also equal fractions.

Match the equal fractions below.

1.		2.		3.		4.	
$\frac{6}{8}$	$\frac{1}{2}$	$\frac{4}{10}$	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{6}{9}$	$\frac{2}{5}$	$\frac{1}{2}$
$\frac{5}{10}$	$\frac{2}{3}$	$\frac{3}{12}$	$\frac{2}{5}$	$\frac{5}{15}$	$\frac{3}{15}$	$\frac{2}{3}$	$\frac{4}{5}$
$\frac{6}{9}$	$\frac{3}{4}$	$\frac{8}{16}$	$\frac{1}{2}$	$\frac{4}{8}$	$\frac{1}{2}$	$\frac{18}{36}$	$\frac{4}{10}$
$\frac{4}{12}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{7}$	$\frac{1}{5}$	$\frac{1}{3}$	$\frac{8}{10}$	$\frac{4}{6}$
$\frac{1}{4}$	$\frac{2}{8}$	$\frac{2}{14}$	$\frac{3}{6}$	$\frac{14}{16}$	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{12}{16}$

Write your number correct as a fraction. $\frac{\quad}{20}$