

Lesson 4: Solve word problems involving division and fractions.

CCSS Standard – 5.NF / 5.NF.B.3

FLUENCY (10-min)

Choral Response: Convert Metric Units

1 liter is equal to how many centiliters?







Now count forward by fifths again. This time rename the fractions as whole numbers and mixed numbers when possible.

Notice: Whole numbers and fractional units.

FLUENCY (10-min)

Whiteboard Exchange: Subtract Mixed Numbers



Write and complete the equation. When possible, rewrite the difference as a whole number.











$6\frac{11}{12} - 2\frac{5}{12} =$	=
12 12	

LAUNCH (5-min)

Does the tape diagram correctly represent a real-world problem?



Model and Solve Division Problems

LEARN BOOK – PAGE 31

Mrs. Chan uses 13 yards of fabric to make 4 identical quilts. How many yards of fabric does Mrs. Chan use for each quilt?

What do we know from reading the word problem? Mrs. Chan uses 13 total yards of fabric. She make 4 identical quilts.	What does the question ask us to find? How many yards of fabric are used for EACH quilt.
What can we draw to represent that information?	What do we need to do to solve this?
13 3 1/4 3 1/4 3 1/4 ?	$13 \div 4 = 13/4$ or $3\frac{1}{4}$

LEARN (35-min)

Model and Solve Division Problems

LEARN BOOK – PAGE 31

40 students share 5 pizzas equally. How much pizza does each student get?

What do we know from reading the word problem? 40 students share 5 pizzas. Each student gets an equal amount.	What does the question ask us to find? How much pizza does EACH student get.
What can we draw to represent that information?	What do we need to do to solve this?
5 pizzas ? 40 students	5 ÷ 40 = 5/40 or 1/8 of a pizza

Model and Solve Division Problems

LEARN BOOK – PAGE 32

Mr. Evans cuts 17 feet of wire into 6 equal pieces. What is the length of each piece of wire?



LAND (10-min)







Use the Read-Draw-Write process to solve each problem.

1. Lacy uses 5 pounds of clay to make 6 identical vases. How many pounds of clay does she use for each vase?

Exit Ticket – PAGE 37

Small Group Time:

Problem Set Pages 33 - 34

Homework:

Page 27 APPLY BOOK

- Lacy uses pounds of clay for each vase.
- 2. Yuna uses 23 inches of string to make 3 identical bracelets. How many inches of string does she use to make each bracelet?