Everyday Math
4th Edition

Grade 4

Chapter 5
Study Guide

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Everyday Math - Chapter 5 Study Guide

Name: _____

5A I can decompose, or break, apart fractions.

Decompose the fractions in two different ways. Write an equation to show each fraction as a sum of fractions with the same denominator.

$\frac{8}{9}$ _____ and _____

$1\frac{4}{5}$ _____ and _____

Use your Geometry Template to draw the solution. Then write an equation to show your answer.

If △ is $\frac{1}{6}$, what is the whole?

Equation: _____

Use manipulatives or a drawing to help you solve.

$\frac{3}{9} + \frac{3}{9} =$ _____ $\frac{2}{10} + \frac{50}{100} =$ _____

$\frac{5}{7} - \frac{3}{7} =$ _____ $\frac{70}{100} - \frac{6}{10} =$ _____

During basketball practice, Olivia drank $\frac{1}{4}$ of a liter of water. Alex drank $\frac{3}{4}$ of a liter of water. How much more did Alex drink than Olivia?

Number model with unknown:

_____

Answer: _____ of a liter

5B I can add and subtract fractions.

Davin was making some cookies. He added $\frac{1}{4}$ cup of brown sugar, $\frac{1}{4}$ cup of white sugar, and $\frac{2}{4}$ cup of flour. How many cups did he add?

Number model with unknown:

_____

Answer: _____ cups

5C I can add and subtract mixed numbers.

Mrs. Johnson used $1\frac{1}{4}$ cups of popcorn in her snack recipe. Mrs. Theder used $2\frac{1}{4}$ cups of popcorn. How many cups of popcorn did they use together?

Number model with unknown:

_____

Answer: _____ cups of popcorn

Everyday Math - Chapter 5 Study Guide

Use manipulatives or drawings to help you solve the following problems.

$2\frac{1}{5} + 2\frac{2}{5} =$ _____ $3\frac{3}{8} + 2\frac{3}{8} =$ _____

$5\frac{4}{7} - 4\frac{2}{7} =$ _____ $3\frac{5}{6} - 2\frac{1}{6} =$ _____

Paige had $4\frac{3}{5}$ cups of snack mix. She shared some with her friends. At the end of snack time she had $1\frac{1}{5}$ cups of snack mix left. How much snack mix did Paige and her friends eat during snack?

Number model with unknown:

_____

Answer: _____ cups of snack mix

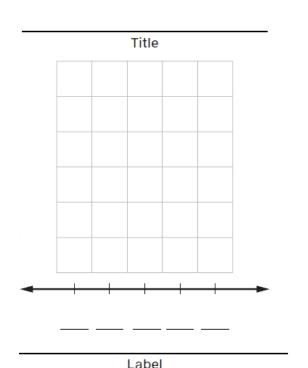**5D I can create a line plot and answer questions using the data.**

Use the data to create a line plot and answer questions about it.

The students stacked up the books in their desks and measured the stack to the nearest $\frac{1}{2}$ centimeter. The measurements they gathered were: (see top of next column)

$6\frac{1}{2}, 8\frac{1}{2}, 7, 6\frac{1}{2}, 7\frac{1}{2}, 8, 7, 6\frac{1}{2}, 6\frac{1}{2}, 7\frac{1}{2}, 8$

a. Make a line plot displaying the data. Be sure to include a title and label.

b. What is the length of the largest stack? _____ cm

c. What is the length of the shortest stack? _____ cm

d. What is the difference in length between the largest and shortest stack? Write a number model to show your solution.

_____

Answer: _____ cm

_____
Title

Label

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5E I can identify types of rotations and angles.

Draw pictures of these turns, using an arc to show the direction of each one. The vertex of the angle and one side have already been drawn for you.

¼ turn counterclockwise   ¾ turn clockwise

Estimate the size of the angle at right. Circle the best answer.

0-90 degrees   D

90 degrees   G

                    O

90-180

Angle DOG is a(n) _____

(acute, obtuse, or right) angle.

0-90 degrees   T

90 degrees

90-180   C   A

Angle CAT is a(n) _____

(acute, obtuse, or right) angle.

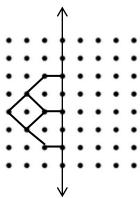**5F I can draw the matching part of a symmetrical shape.**

Draw all the lines of symmetry for the shapes that are symmetrical.

Draw the other half to make a symmetrical shape.

Additional work space: