

Learning Guide 2: Understanding Percent

Ref: Math Links 8 (Chapter 4, pp. 118 - 159)

Name: _____ TA: _____

Teacher: _____

Learning Guide Expectations:

- (1) use grids to represent percents and describe situations where a percent may be more than 100% or may be between 0% and 1
- (2) to find the percent represented by a given shaded region on a grid and record it in decimal, fraction and percent form
- (3) to convert between percents, fractions, and decimals.
- (4) to solve problems involving percents and combined percents.

Assignments:

Expectation 1 & 2: Use grids to represent percents and describe situations

- ☐ Watch & take notes
- ☐ Read p. 122-127
- ☐ Complete assignment 1: p. 128-129 — #4, 5, 6, 8, 9, 10, 16



Expectation 3: To convert between percents, fractions, and decimals

- ☐ Watch & take notes
- ☐ Read p. 130-134
- ☐ Complete assignment 2: p. 135-137 — #4 – 9, 14, 16, 18, 19, 21



Expectation 4a: To solve problems involving percents

- ☐ Watch & take notes
- ☐ Read p. 139- 141
- ☐ Complete assignment 3: p. 142-143 #3-6, 8, 9, 10, 11, *14, *16



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Expectation 4b: To solve problems involving combined percents

- ☐ Watch & take notes
- ☐ Read p. 144-148
- ☐ Complete assignment 4: p.148-149 #4 -10, 13



Review and Challenge

- ☐ Complete p. 150- # 1-3*, 4-6, 9, 12, 14-16
- ☐ Complete LG 2 Journal
- ☐ Write LG 2 Quiz

LG 2 Journal

Key Ideas on page 127. Fill in the blanks.

a) To represent a percent, you can shade squares on a grid of _____ squares.

One completely shaded grid represents _____.

b) To represent a percent greater than 100%,

c) To represent a fractional percent between 0% and 1%, _____

d) To represent a fractional percent greater than 1%, shade

Key Ideas on page 135. Fill in the blanks and provide examples.

a) Fractions, decimals, and percents can be used to

b) Percents can be written as fractions and as decimals.

Provide 3 examples from page 135.

LG 2 Journal

Key Ideas on page 141. Fill in the blanks and provide an example.

a) To calculate the percent of a number, write the percent as a

b) Provide one example from page 141.

Key Ideas on page 148. Fill in the blanks and provide an example.

a) Percents can be combined by

b) Provide one example from page 148.

c) Create your own word problem showing an example of percents then solve the problem you have created.