#### learning focus:

- review concepts of ratios, rates, and proportions
- √ convert within/between measurement systems
- understand and apply percents to real-world situations, including percent of change





an 11 day TEKS-aligned unit

TEKS: 7.4B, 7.4D, 7.4E

### ready-to-go, scaffolded student materials

#### PROPORTIONALITY UNIT

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## student friendly + real-world application

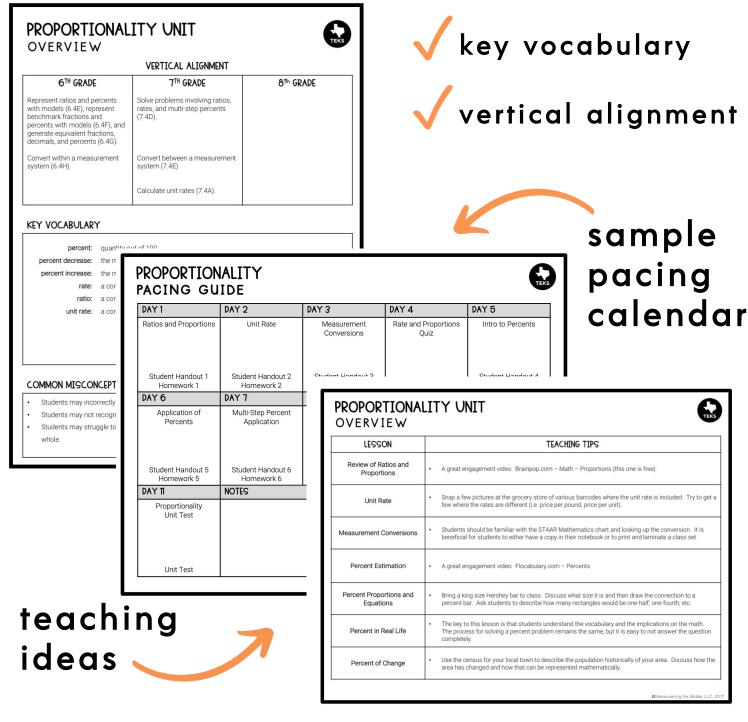
Unit: Proportionality Student Handout 4  Name Date Pd  use of grade level modeling  Leona and Paris were looking at a model in Mrs. Henry's class. Leona says that the model represents 12% because 12 squares were shaded. Paris says that isn't true. How could Paris explain her reasoning to Leona?				
• Percent is a par • Percents can be • Ex: 78% = - • Ex: 3/5 → €	1 5 rota	100 = whole	RT = %·WHOLE  (AS A DECIMAL)  (DECIMAL)  (PERCENT)	
fraction: decimal: percent:  - Percent probler SOLVING PERCENT PROBLEMS - Plug the given w for the missing	Use your understanding of proportions  4. Use the tape diagram below to set u proportion and/or equation.   x  40  20  100%  Use your understanding of percent pro  6. What number is 12% of 7. 60  315?  7. 60  9. Kai knows that 50% of a number is 150% of the number is?  10. Five proportions are given below, solve the problem, "What is 36% of 15   \$\frac{x}{150} = \frac{36}{100}\$  \$\frac{150}{x} = \frac{36}{100}\$  Summarize today's lesson:	Unit: Proportionality Homework 4  1. Which of the following propused to find, "42 is 35% of wto a. $\frac{35}{100} = \frac{x}{42}$ c. $\frac{x}{35} = \frac{42}{100}$ b. $\frac{35}{x} = \frac{42}{100}$ d. $\frac{35}{100} = \frac{42}{x}$ Use your understanding of periods below.  3. 36 is 30% of what number?	INTRO TO PERCENT  contions could be hat number?"  2. What does hat number?"	fraction: decimal: percent:
error and	alysis	create a proportion or equation statement.  MAXINE  I can use the proportion x 16 .		An ELAINE  I can change 16% to 1.6 and multiply it by 50.



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# streamline your planning process with unit overviews



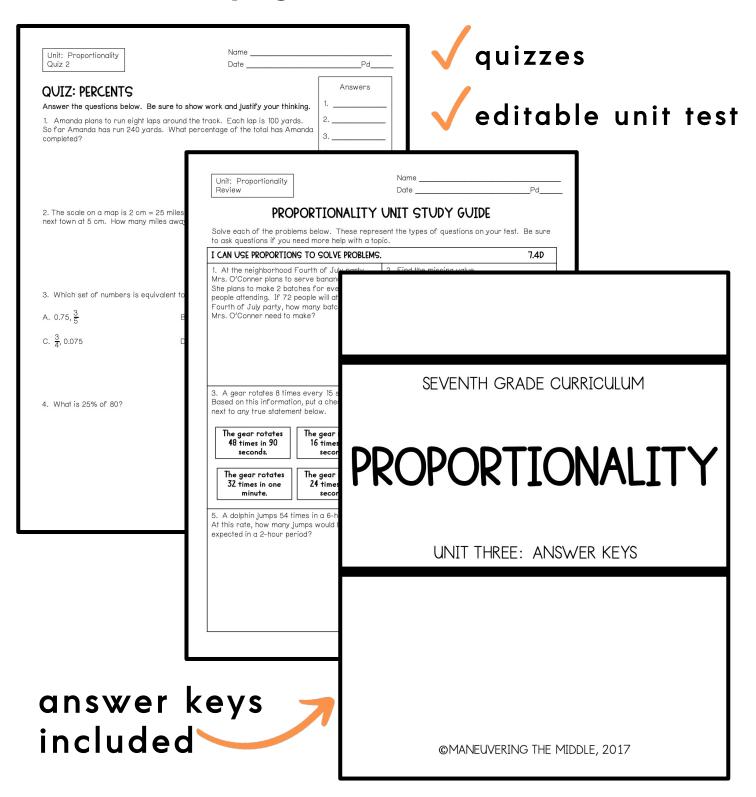
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### unit study guide + assessments



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