Grade 5 Measurement Goal: Estimate length with and without tools; measure length with tools to the nearest 1/8 inch and millimeter; estimate the measure of angles with and without tools; use tools to draw angles with given measures.

Unit 4: Use a map scale to estimate distance.

1. What is the distance from New York to Denver?

Map Distance: _____ **(inches)**

Actual Distance: _____ **(miles)**

Explain how you found the real distance from New York to Denver.

2. If you left one of the cities on the map and traveled approximately 500 miles to another city on the map, which two cities did you travel between?

_____ and _____

3. What is the actual distance from Jacksonville to Denver via Houston? _____

1 INCH = 557 MILES   1 inch

Grade 5 Operations and Computation Goal: Use mental arithmetic, paper-and-pencil algorithms, and calculators to solve problems involving the multiplication of whole numbers and decimals and the division of multidigit whole numbers and decimals by whole numbers; express remainders as whole numbers or fractions as appropriate; describe the strategies used and explain how they work.

Unit 4: Use a friendly-number strategy to divide.

Solve Mentally. Use a friendly number strategy.

189 divided by 9 = _____

Friendly parts for 189_____

272 divided into 4 equal parts = _____

Friendly parts for 272 _____

A fence post needs to be placed every five feet when installing a fence. If the Smith Family needs a 145 foot long fence, how many fence posts will they need placed? Use a friendly number strategy to mentally compute.

Grade 5 Operations and Computation Goal: Demonstrate automaticity with multiplication facts and proficiency with division facts and extensions.
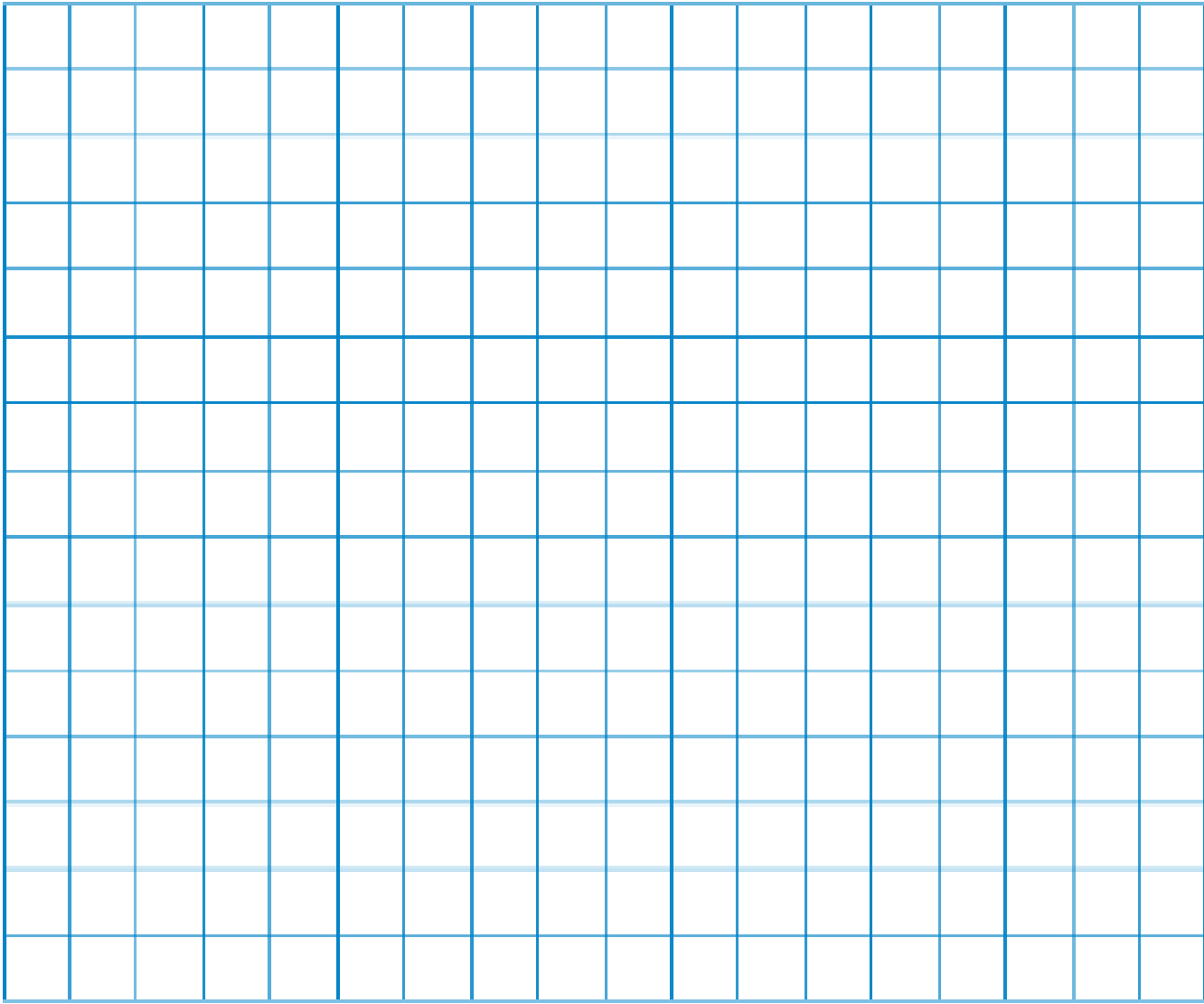
Unit 4: Use the partial-quotients algorithm.

348 = 6 * _____

Check:

687 ÷ 9 →

Check:

$740 was donated to the 5th grade field trip fund. If the money is divided equally between the five 5th grade classes, how much will each class be able to spend on field trips?

_____

Check:

If Amy has divided her 133 pieces of Halloween candy into 7 bags, how many pieces are in each bag? _____

Check:

Grade 5 Operations and Computation Goal: Make reasonable estimates for whole number and decimal addition, subtraction, multiplication, and division problems and fraction and mixed number addition and subtraction problems; explain how the estimates were obtained.

Unit 4: Make magnitude estimates to place decimal point.

Four friends divided the meal total after eating at their favorite restaurant. Use their receipt (shown at left) to make a magnitude estimate of how much each friend will pay towards the total bill.

Circle the appropriate box.

0.1s	1s	10s	100s

How I estimated:

Grade 5 Patterns, Functions, and Algebra Goal: Determine whether number sentences are true or false; solve open number sentences and explain the solutions; use a letter variable to write an open sentence to model a number story; use a pan-balance model to solve linear equations with one unknown.

Unit 4: Solve number sentences for given variables.

Find the value of Y in the first number sentence and then use that value to complete the second number sentence.

$45 \div Y = 5$

$2 * Y - 4 =$ _____

$$\overline{\overline{}}$$

$Y = 10^2$

_____ $= Y * 40$

What is the value of X if X/7 = 6

What is the value of X if $X + X + X = 15$

Grade 5 Patterns, Functions, and Algebra Goal: Determine whether number sentences are true or false; solve open number sentences and explain the solutions; use a letter variable to write an open sentence to model a number story; use a pan-balance model to solve linear equations with one unknown.

Unit 4: Write number sentences that model number stories.

6 friends are planning a road trip. If the total distance is 504 miles and all six friends are planning to drive an equal distance, how many miles will each friend drive?

Write a number sentence that you can use to solve the number story above.

Solution: _____

Write a division number story that represents the picture below.

Write a number sentence that would be used to solve your number story.