Grade 5, Module 1

Modified Problem Set

1. Write the decimal point on the place value chart. Solve using digits on the place value chart.

   3.452 × 10 = _____

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

2. Write the decimal point on the place value chart. Solve using digits on the place value chart.

   3.452 ÷ 10 = _____

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

3. Write the decimal point on the place value chart. Solve using digits on the place value chart.

3452 ÷ 100 = _____

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

4. Exponents. Complete the table below.

1,000,000	100,000	10,000	1,000	100	10
			10 x10 x 10		10 x 1
					10^1

5. Solve.
    1.37 m = _____ mm

6. Compose this expression.

$$7 \times 10 + 4 \times 1 + 6 \times \frac{1}{10} + 9 \times \frac{1}{100} + 2 \times \frac{1}{1000}$$

7. Mr. Pham wrote 2.619 on the board. Christy says it's two and six hundred nineteen thousandths. Amy says it's 2 ones 6 tenths 1 hundredth 9 thousandths. Who is right? Use words and numbers to explain your answer.

8. Write the decomposition that helps you, and then round to the given place value. Draw number lines to explain your thinking. Circle the rounded number on each number line.

   Round 141.999 to the nearest tenth, hundredth, ten and hundred.

9. Ten baseballs weigh 1,417.4 grams. About how much does 1 baseball weigh? Round your answer to the nearest tenth of a gram. Round your answer to the nearest gram. If someone asked about how much a baseball weighs, what would you say? Why?

10. Solve. Show your work on a place value chart, and with the standard algorithm.
    0.74 + 0.59

11. Solve. Show your work on a place value chart, and with the standard algorithm.
    4.083 – 1.29

12. Solve by drawing disks on a place value chart. Write an equation and express the product in standard form.

    5 times as much as 7 tenths

13. Draw a model similar to the one pictured below. Find the sum of the partial products to evaluate each expression.

7 × 3.12			

	3 ones	+ 1 tenth	+ 2 hundredths
7	7 × 3 ones	7 × 1 tenth	7 × 2 hundredths

_____ + _____ + 0.14 = _____
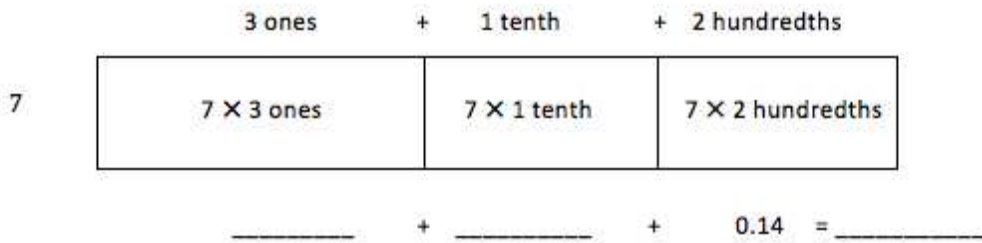
Solve: **3 x 4.25**

14. Mrs. Zamir wants to buy 8 protractors and some erasers for her classroom. She has $30. If protractors cost $2.65 each, how much will Mrs. Zamir have left to buy erasers?

15. Complete the sentences with the correct number of units and complete the equation.

    a. 8 groups of _____hundredths is 0.32. $0.32 \div 8 =$ _____

    b. 7 groups of _____ thousandths is 0.084 $0.084 \div 7 =$ _____

16. Complete the number sentence. Express the quotient in units and then in standard form.

    a. $2.64 \div 2 =$ _____ ones ÷ 2 + _____hundredths ÷ 2

    = _____ ones + _____hundredths

    = _____

    b. $12.64 \div 2 =$ _____ ones ÷ 2 + _____hundredths ÷ 2

    = _____ ones + _____hundredths

    = _____

17. Place the decimal point on the place value chart. Draw number disks on the place value chart to solve, and show your steps using the standard algorithm.

5.7 ÷ 4 = _____

Ones	Tenths	Hundredths	Thousandths

18. Mr. Frye distributed $216 equally among his 4 children for their weekly allowance.

    a. How much money did each child receive?

b.   John, the oldest child, paid his siblings to do his chores. If John pays his allowance equally to his brother and two sisters, how much money will each of his siblings have received in all?