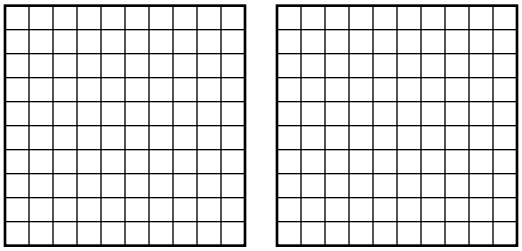
5th Grade/Mrs. Faour
Complete the following worksheets/use the pen located on the top of this page.Submit your work by email it back to me.

Understanding of Place Value

Name: _____

1 The decimal grid in each model represents 1 whole. Shade each model to show the decimal number below the model.



0.5 **0.05**

Complete the comparison statements.

0.05 is _____ of 0.5.

0.5 is _____ times the value of 0.05.

Complete the equations.

$0.5 \div$ _____ $= 0.05$

$0.05 \times$ _____ $= 0.5$

2 Draw a number line from 0 to 2. Then draw and label points at 2 and 0.2.

Use the number line to explain why 2 is 10 times the value of 0.2.

Complete the equations to show the relationship between 2 and 0.2.

$0.2 \times$ _____ $= 2$

$2 \div$ _____ $= 0.2$

3 Which type of model do you like best? Explain why.

Understanding Powers of 10

Name: _____

Multiply or divide.

1 $6 \div 10$ _____

2 $0.6 \div 10$ _____

3 $6 \div 10^2$ _____

4 $0.6 \div 10^2$ _____

5 $6 \div 10^3$ _____

6 $60 \div 10^3$ _____

7 0.3×10 _____

8 0.3×10^2 _____

9 0.3×10^3 _____

10 0.03×10^2 _____

11 0.003×10^2 _____

12 0.03×10^3 _____

13 $72 \div 10$ _____

14 0.72×10^2 _____

15 $7{,}200 \div 10^3$ _____

16 $20 \div 10^2$ _____

17 0.9×10^3 _____

18 0.001×10^2 _____

19 $54 \div 10$ _____

20 $150 \div 10^3$ _____

21 0.46×10^3 _____

22 What strategies did you use to solve the problems? Explain.

Reading a Decimal in Word Form

Name: _____

What is the word form of each decimal?

1. 0.2

_____

2. 0.02

_____

3. 0.002

_____

4. 0.12

_____

5. 0.012

_____

6. 0.102

_____

7. 1.002

_____

8. 9.4

_____

9. 90.04

_____

10. 0.94

_____

11. 500.2

_____

12. 8.008

_____

13. 700.06

_____

14. 6.335

_____

15. 3,000.001

_____

16. What strategies did you use to help you read the decimals? Explain.