Grade 7 Math – <u>Decimal Unit Review</u>

PART 1 Complete the following questions. Show your work.

You may use a multiplication chart but <u>NO CALCULATORS</u>

<u>Part A</u> - The answers below are missing the decimal. Use estimation and mental math to **put the decimal in the proper place.**

1) 4.25 + 8.39 = **1 2 6 4**

2) 14.589 + 7.34 = **2 1 9 2 9**

3) 26.47 + 15.89 = **4 2 3 6**

4) 12.28 – 5.56 = **6 7 2**

5) 72.12 – 64.23 = **7 8 9**

6) 12.85 – 6.21 = **6 6 4**

7) 9.75 x 8.36 = **8 1 5 1**

8) 6.523 x 8.545 = **5 5 7 3 9 0 3**

9) 2.24 x 32.985 = **7 3 8 8 6 4**

10) 28.45 x 1.2568 = **3 5 7 5 5 9 6**

11) 16.55 ÷ 4.1 = **4 0 3 6 6**

12) 24.86 ÷ 3.1 = **8 0 6 9**

13) 42.55 ÷ 5.8 = **7 3 3 6**

14) 73.55 ÷ 9.1 = **8 0 8 2 4**

Part B – Complete the following questions. Show your work.

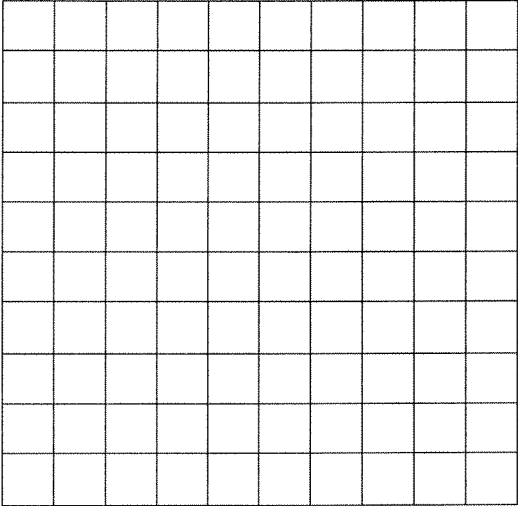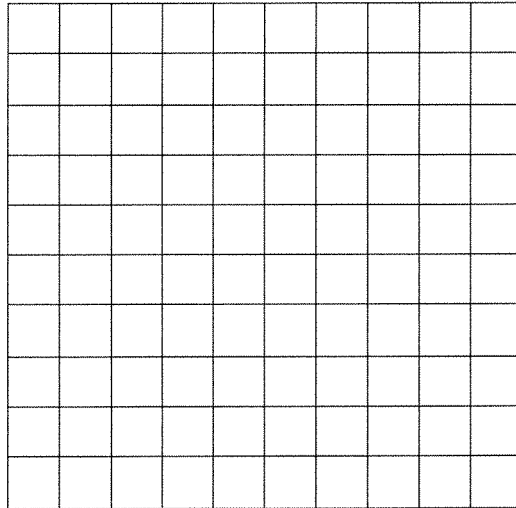|	
1) 2.29 + 13.05	3) 42.35 - 16.59
2) 15.66 + 3.412	4) 128.98 - 45.081

Grade 7 Math – Multiplication / Division of Decimals

Complete the following :

Question	Estimation of product	Answer using a strategy (stacking, grid, lattice etc). **SHOW HOW YOU GOT THE ANSWER**	Calculator answer
0.4 x 0.7			

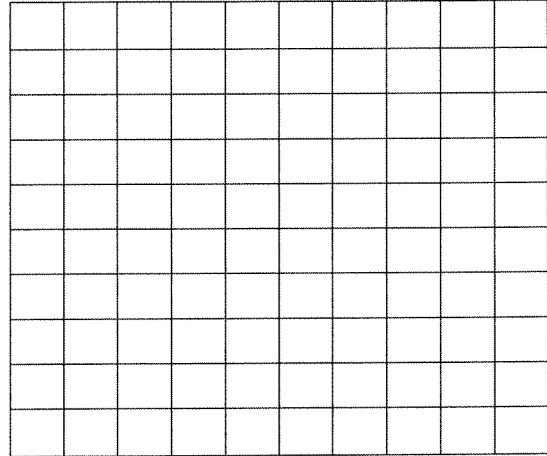| 0.8 x 0.5			
4.2 x 3.6		**Use the lattice method to solve this one**	

3.36 x 8.64

13.56 X 12.87

Grade 7 Math – Division of Decimals

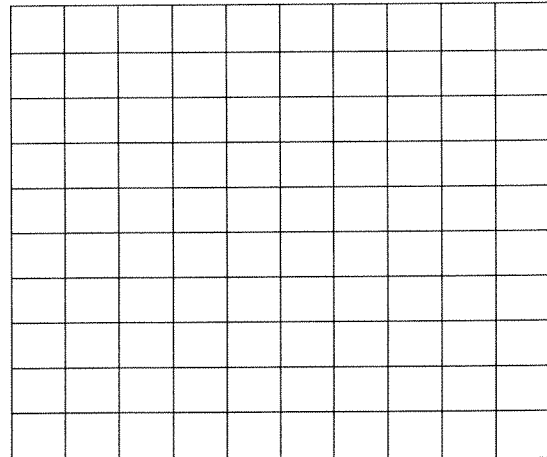**Answer the question below. Use the grid to model your answer.**

$0.36 \div 0.04$

Answer: _____
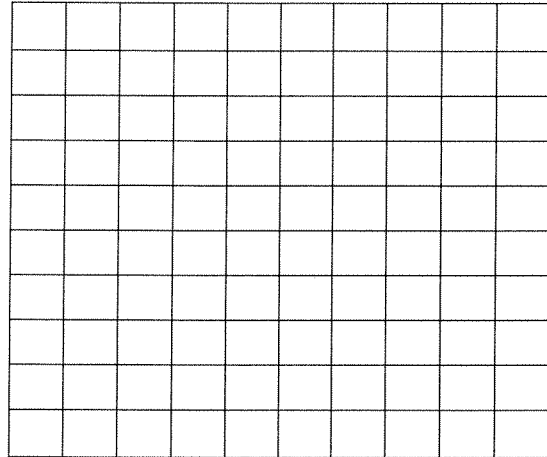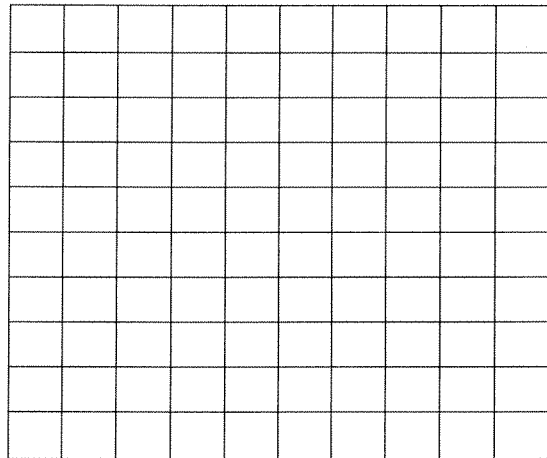
$0.42 \div 0.06$

Answer: _____

$0.75 \div 0.25$

Answer: _____

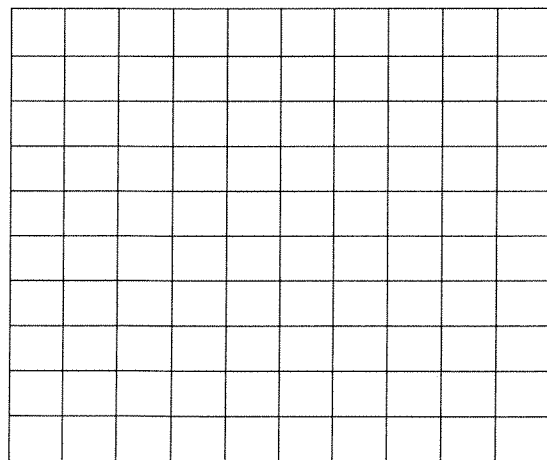
$0.48 \div 0.08$

Answer: _____

$0.72 \div 0.12$

Answer: _____

1. Express the following **fractions as decimals**. (1 mark each)

$\dfrac{5}{12} =$	$\dfrac{41}{49} =$
$\dfrac{3}{5} =$	$\dfrac{25}{47} =$

2. Express the following **decimals as fractions.**
   REDUCE TO LOWEST TERMS (2 marks each)

0.25 =	0.8 =
0.560 =	0.331 =
$0.\overline{77}$	$0.5\overline{12}$

3. Circle the larger number (1 mark each)

$\dfrac{3}{5}$ 0.715	$\dfrac{27}{33}$ 0.62

A.   3.5 x 10 + 10 x 3.2

C.   6.2 + 5.1 X 3.2 – 2.5 x 1.6

B.   6.1 x (3.3 – 1.1 x 3) + 8 ÷ 8

D.   10.9 + (3.3 x 3.3 -1.69) ÷ 2 – 5.2

4. Put the following numbers in order from **GREATEST to LEAST**

| $\dfrac{11}{25}$ | 1.32 | $1\dfrac{3}{7}$ | 0.124 | $\dfrac{11}{34}$ | 0.59 | 0.91 | $\dfrac{4}{5}$ |

_____

PART 3 Complete the following questions. SHOW YOUR WORK. Answer using complete sentences

1. Tamara went to the store and bought a pair of jeans at $44.79, **two shirts** that cost $12.75 each, a pair of shoes at $23.99 and a package of socks for $5.99. Is $100 enough to pay for these items? How much change will she get or how much more money does she need? (3 marks)

2. Mido earns $194.99 in two weeks, working at his part time job. His hourly wage is $10.54. How many hours did he work over the two weeks? (3 marks)

3. Brent wanted to earn money for shopping. He got $33.57 when he took bottles to the bottle depot. He earned $15.50 for each driveway he shoveled in his neighborhood (he shoveled 6 driveways). He also sold 7 of his video games for $6.80 each. How much money did Brent earn from selling bottles, shoveling driveways and selling his video games? **Show your work.**

4. Brent went to the mall with a friend. He bought items for $33.62, $33.99, $7.99, $8.99, $4.29, $6.55, and 3 items for $9.59 each. He also bought lunch for himself and a friend for $6.79 each. How much money did Brent spend at the mall? **Show your work**

5. Looking back to question 3 and Brent's total earnings, how much money does Brent have left over after shopping at the mall? **Show your work.**