**Cobb – Montford Mini-Mu Competition**

**Cobb Middle School**

**February 21, 2015**



**Part 2**

**Print Your Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Print School Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Print Teacher Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Circle Your Grade 4 5**

***\*\*\*\*\*IMPORTANT INFORMATION\*\*\*\*\*\****

**Make sure you circle your answers on this test to check your answers AFTER the test.**

**Your answer sheet will be turned in to the teacher, and you will not be able to look at it when you are given the answers. This will help you to calculate your score on this test.**

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***NOTA = None of These Answers***

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1. Ron saw 18 zombies on Monday, 8 zombies on Tuesday, 16 zombies on Wednesday, 12 zombies on Thursday, 24 zombies on Friday and 9 zombies on Saturday. What is the median number of zombies that Ron saw on Minecraft when he played that week?

A. 10.5 B. 14 C. 14.5 D. 16 E. NOTA

1. It took Cyndi 6 seconds to chop a block of cobblestone and 4 seconds to chop a block of wood. If Cyndi chopped 28 blocks of cobblestone and 33 blocks of wood, then how many **minutes** did she need to work?

A. 5 B. 132 C. 168 D. 300 E. NOTA

1. Denise captured two sheep. They had 8 baby lambs over the next 3 years. At this rate, how many total baby sheep could the two sheep have over the next 12 years?

A. 24 B. 32 C.36 D. 96 E. NOTA

1. Kaela chopped 46 blocks of wood. Each block of wood creates 4 planks. Each plank weighs 7.4 pounds. How many pounds of wood did the 46 blocks of wood weigh?

A. 85.10 B. 340.4 C. 851.0 D. 1361.6 E. NOTA

1. Cara made 14 pick axes, 8 craft tables, and 5 furnaces. How much would she make in total if she could sell a pick ax for $ 7.50 each, $ 14.50 for each craft table and $18.20 for each furnace?

A. $ 11.56 B. $ 27.00 C. $ 40.20 D. $ 312.00 E. NOTA

1. Tanya gathered her 64 cows in the fenced-in area. The 1st week, she sold $\frac{1}{4}$ of the cows. The 2nd week, she sold $\frac{1}{4}$ of the cows that were left. The 3rd week, she sold $\frac{1}{4}$ of the cows that were left. The 4th week, she sold $\frac{1}{3}$ of the cows that were left. The 5th week, she sold $\frac{1}{3}$ of the cows that were left. How many cows did Tanya have in the 6th week?

A. 6 B. 9 C. 12 D. 18 E. NOTA

1. It requires 2 sticks and 3 cobblestones to make a pick ax. A stick costs $ 0.45 each and a cobblestone costs $ 0.75 each. How much would it cost to create and buy 8 pick axes?

A. $ 3.15 B. $ 9.60 C. $ 25.20 D. $ 40.00 E. NOTA

1. Vanessa timed how quickly she could chop a block of wood. She chopped a block of wood every 3 seconds. How many blocks of wood can she chop in 8$ \frac{1}{4}$ minutes?

A. 24.75 B. 165 C. 212 D. 1485 E. NOTA

1. Caleb needs to create some wooden doors in Minecraft. He knows that each block of wood he chopped will make 4 planks and that it will take 6 planks to make each door. How many whole blocks of wood will be required to create 160 doors?

A. 27 B. 240 C. 960 D. 3840 E. NOTA

1. Kennedy took a survey of all 1200 students in her school. She discovered that $\frac{2}{3}$ of the students had played Minecraft, and of the ones who had played, $\frac{2}{5}$ of them played more than 3 days a week. How many students in Kennedy’s school played Minecraft more than 3 days a week?

A. 320 B. 480 C. 800 D. 960 E. NOTA

1. Rylee looked in her chest to count her tools. She had 6 stone axes, 7 wooden axes, 3 shovels and 12 spears. What fraction of the tools represents the total number of axes she has in her chest of tools?

A. $\frac{6}{28}$ B. $\frac{7}{28}$ C. $\frac{13}{28}$ D. $\frac{15}{28}$ E. NOTA

1. Sophia’s boat could only hold ½ ton. Each block of wood weighs 4.3 pounds. How many **whole** blocks can Sophia carry to the island in her boat at one time?

A. 116 B. 232 C. 233 D. 465 E. NOTA

1. Matthew timed himself chopping different things in his Minecraft game. It took him 8 seconds to chop 3 blocks of wood. At this same rate, how many blocks of wood would Matthew be able to chop in one hour?

A. 45 B. 150 C. 960 D. 1350 E. NOTA

1. Monsters were spawning during the night. If one new monster spawned every 30 seconds, how many total monsters would have spawned at the end of 6.4 hours?

A. 192 B. 384 C. 768 D. 11520 E. NOTA

1. Kendall needed to build a fence to hold his cows so he can have food. He wanted a rectangular fenced-in area that was 14 feet long. He knew that he had a total of 41 feet in fencing. How wide can he make the fenced in area if he uses ALL of the fencing he has?

A. 6.5 B. 13 C. 13.5 D. 27 E. NOTA

1. Kathy needed to calculate how many blocks of wood she would need to build her house that is hollow inside. The outside of the house will need 4 walls and a roof on top of these 4 walls to create a cube shaped house. The house will have 5 blocks on each side and 5 blocks high with 1 single block removed to create a door. How many total blocks does Kathy need to chop to make her house?

A. 124 B. 125 C. 624 D. 625 E. NOTA

1. Mitchell discovered a special pattern between the spawning of monsters. He counted to 5 and the first monster appeared. He counted to 9 and the second monster appeared. He counted to 17 for the third monster and 33 for the fourth monster. At this same pattern, what will Mitchell have to count to for the seventh monster to appear?

A. 64 B. 71 C. 129 D. 257 E. NOTA

1. Savannah was curious how many cubic feet are in a block of wood. She measured a block of wood and found that it was a cube with a length, width and height of 28 inches on each side. What is the volume of the block of wood in cubic **feet** written as a fraction?

A. 2$\frac{1}{3}$ B. $8\frac{1}{9}$ C. 8 $\frac{1}{9}$ D. $12\frac{19}{27}$ E. NOTA

1. Linda and Karen were having boat races between islands. Linda left the island at 10:23 AM and arrived at the other island at 3:18 PM. Karen left the island at 9:19 AM and arrived at the other island at 2:53 PM. What is the total time both girls spent in the boat rides to the other island in **minutes**?

A. 295 B. 334 C. 629 D. 871 E. NOTA

1. Zombies were coming up the stairs by climbing 4 steps every 3 seconds. At this same rate, how many **minutes** would it take the zombies to climb a total of 256 steps?

A. 3.2 B. 64 C. 80 D. 192 E. NOTA

1. Keisha planted a garden for food resources. She planted $\frac{2}{3}$ of the garden in tomatoes and corn, $\frac{1}{4}$ of the garden in peas, and the rest in watermelons. If the garden covers a total of 72 acres, how many acres were planted in watermelons?

A. 6 B.18 C. $41\frac{1}{7}$ D. 60 E. NOTA

1. Sybill wanted to buy the Minecraft program that cost $30. There is a special that says if she buys one download, then she can save 10% off the regular price. But if she buys 2 downloads, she will save 15% on each one. How much will she save on each download by buying 2 Minecraft game downloads?

A. $ 3.00 B. $ 4.50 C. $ 9.00 D. $ 15.00 E. NOTA

1. Conner needed to dig out a hole to hold water. The hole needed to be in the shape of a rectangle. It is to be 8 blocks long, 5 blocks wide and 3 blocks deep. How many total blocks of dirt does Conner need to dig out to hold the water?

A. 16 B. 40 C. 48 D. 120 E. NOTA

1. Carter was making monster traps. Carter needed 20 traps to keep him safe. He timed himself and found out it took him 25 minutes to make each trap. If he started at 7:00 AM and he took a total of 45 minutes off for personal needs, what time did he finish making the traps that day?

A. 2:35 B. 3:20 C. 4:05 D. 5:00 E. NOTA

1. Logan saw the sun going down and knew the zombies would soon be spawning. So Logan quickly chopped down 1000 blocks of wood to build a hollow cube shaped house with 4 outside walls and a roof, all the same size. What is the largest number of blocks he can use as the length, width, or height to complete the 4 walls and a roof of a cube shaped house and not use more than the 1000 blocks?

A. 10 B. 12 C. 14 D. 15 E. NOTA

STOP

Check back over your work and sit quietly until the teacher calls time.

**Make sure you have marked your answers on this test AND you have bubbled the answers on the answer sheet.**