

TEST NAME: **Number Systems Unit Test- RM**  
TEST ID: **1243129**  
GRADE: **06 - Sixth Grade**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **Shared Classroom Assessments**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Mari divided 8 by  $\frac{2}{3}$ . Which operation shown below should produce the same result?

A.  $\frac{8}{1} \cdot \frac{2}{3}$

B.  $\frac{8}{1} \cdot \frac{3}{2}$

C.  $\frac{8}{1} \cdot \frac{1}{3}$

D.  $\frac{8}{1} \cdot \frac{3}{2}$

2. Reilly and Samantha work at the Frosty Freeze Ice Cream Shop. Reilly works every other day, and Samantha works every third day. Today they are working together. How many days will it be until the next time they work on the same day?

A. 5 days

B. 6 days

C. 8 days

D. 12 days

3. Faith charges \$6.50 per hour for babysitting. How much will she earn for 5 hours of babysitting?

A. \$11.50

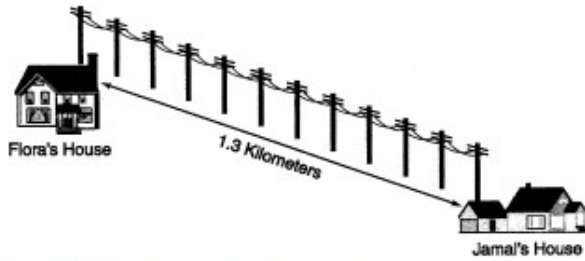
B. \$30.25

C. \$32.50

D. \$40.50

4. At a school, there are 704 desks to place into 22 classrooms. If the same number of desks is placed in each classroom, how many desks will be in each room?
- A. 32  
B. 34  
C. 42  
D. 44
5. Beth had \$22.30. She bought 4 bottles of water for \$0.65 each, including tax. How much money should Beth have left?
- A. \$2.40  
B. \$2.60  
C. \$19.70  
D. \$19.90
6. Mai earns \$5.50 per hour at her after-school job. How many hours does she have to work to earn \$132?
- A. 16  
B. 20  
C. 24  
D. 28
7. Tom brought  $2\frac{1}{2}$  cakes to class for the class picnic. Twenty-five students will share the cake equally. What fractional part of a cake should each student get so that no cake is left over?
- A.  $\frac{1}{10}$   
B.  $\frac{3}{50}$   
C.  $\frac{1}{25}$   
D.  $\frac{1}{50}$

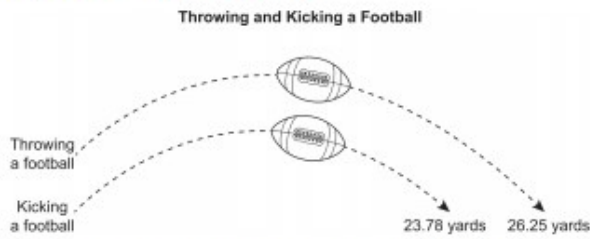
8. The map shows the location of telephone poles along the road between Flora's house and Jamal's house. The two houses are 1.3 kilometers apart.



If the telephone poles are equally spaced, how many meters apart are each pole and the next? (Round your answer to the nearest hundredth or a meter.)

- A. 1.2 meters
- B. 2.1 meters
- C. 0.12 meters
- D. 0.012 meters

9. Asha measured the distances she threw and kicked a football. A diagram of her results is shown below.



How much farther, in yards, did she throw the football than kick it?

- A. 2.47 yards
- B. 2.57 yards
- C. 3.53 yards
- D. 3.57 yards

10. Andy has a rope 0.9 m long. Sherry has a rope one and a half times as long as Andy's. How long is Sherry's rope?
- A. 0.45 m  
B. 1.35 m  
C. 1.80 m  
D. 2.25 m
11. Maytown Health Food Company received an order of 1,200 Energy Bars. The store will keep 150 Energy Bars to sell in their main store. The rest of the Energy Bars will be packed in boxes of 36 bars to be sold in other stores.
- How many full boxes of Energy Bars can the company pack?
- A. 10  
B. 29  
C. 33  
D. 37
12. At the beginning of the school year, the principal at Adams Middle School equally divided each of the following items among the new teachers:
- 48 red pens
  - 40 whiteboard markers
  - 16 whiteboard erasers
- There were no items remaining.
- What was the maximum possible number of new teachers at Adams Middle School at the beginning of the school year?
- A. 2  
B. 4  
C. 8  
D. 16

13. \*

It snowed 4 times during October. The snowfall amounts were 0.75 inches, 1.93 inches, 4.73 inches, and 2.33 inches. What was the total snowfall for October?

- A. 7.64 inches
- B. 7.74 inches
- C. 9.64 inches
- D. 9.74 inches

14. A group of students solved 10,800 math problems during Math Week. Each student solved 75 problems. How many students solved problems during Math Week?

- A. 135
- B. 144
- C. 10,725
- D. 810,000

15. The length of a piece of rope is  $19\frac{1}{2}$  feet. Molly needs to cut the rope into pieces  $2\frac{1}{8}$  feet long.

How many pieces can she make?

- A. 9
- B. 12
- C.  $17\frac{1}{3}$
- D.  $42\frac{1}{2}$