TEST NAME:**Number System Unit Test-AM**
TEST ID:**1226527**
GRADE:**06 - Sixth Grade - 07 - Seventh Grade**
SUBJECT:**Mathematics**
TEST CATEGORY:**School Assessment**

1. Nora drove 112,800 miles last year for her job. She drove the same number of miles each week. She worked 48 weeks last year. How many miles did Nora drive each week?

   A. 2,300

   B. 2,325

   C. 2,350

2. Linda is buying soda and juice for her party.

   - There are 12 cans of soda in a package.
   - There are 8 cans of juice in a package.
   - She wants to have an equal number of soda and juice cans.

   What is the fewest number of packages of juice Linda needs to buy?

   A. 2

   B. 3

   C. 4

3. A road crew is paving a $\frac{4}{5}$-mile stretch of highway. If the crew can pave $\frac{1}{10}$ mile of highway each day, how long will it take the crew to finish the job?

   A. 4 days
   B. 5 days
   C. 6 days
   D. 8 days

4. A school store buys pencils for $0.15 each.

   - It sells the pencils for $0.22 each.
   - The store sold 4 dozen pencils last week.

   How much profit did the school store make from pencils?

   A. $2.96

   B. $3.36

   C. $7.20

   D. $10.56

5. A cookie recipe needs $\frac{2}{3}$ cup of butter for one batch of cookies. Emily has $1\frac{1}{2}$ cups of butter. What is the maximum number of batches of cookies Emily can make?

   A. 1

   B. 2

   C. 3

   D. 4

6. **Conner has 12 buffalo nickles, 6 Indian head pennies, and 15 mercury dimes in his coin collection. He wants to organize the coins into rows so that the number of nickles in each row is the same, the number of pennies in each row is the same, and the number of dimes in each row is that same. How many of each coin should he put in each row?**

   A. 2 nickles, 3 pennies, and 3 dimes

   B. 3 nickles, 2 pennies and 5 dimes

   C. 4 nickles, 3 pennies, and 5 dimes

   D. 4 nickles, 2 pennies and 5 dimes

7. A local video store sold 54 video games before lunch for a total of $1,350. They sold twice as many video games that afternoon. All the games were the same price. How much money did the store make that day?

   A. $1400

   B. $2700

   C. $2750

   D. $4050

8. **The top runner on the cross country team can run a 3.5 mile course in 50 minutes. What is the average time for each lap? (Round to the nearest tenth!)**

   A. 14.3 minutes per mile

   B. 14.2 minutes per mile

   C. 14 minutes per mile

   D. 14.5 minutes per mile

9. Jessica and two friends spent $36.93 on dinner. They left a $6.00 tip. How much did each person spend if they split the bill and tip equally?

   A. $12.31

   B. $14.31

   C. $18.47

   D. $21.47

10. Kyle is planning to paint the top of a small rectangular table using tubes of craft paint. The dimensions of the table top are 3.25 feet by 4.5 feet. The paint comes in tubes that cover approximately 1.125 square feet. How many tubes will Kyle need to purchase to paint the top of the table?

    A. 7 tubes

    B. 9 tubes

    C. 12 tubes

    D. 13 tubes

11. A piece of ribbon that is $8\frac{1}{3}$ yards long will be cut into 5 equal pieces to make bows. How much ribbon will be used for each bow?

    A. $\frac{3}{5}$ yard

    B. $\frac{5}{8}$ yard

    C. $1\frac{2}{3}$ yards

    D. $3\frac{1}{3}$ yards

12. Ben bought a bag of potatoes that weighed 2.25 pounds. He also bought 2 boxes of raisins that weighed 0.375 pound each and 2 bags of apples that weighed 1.5 pounds each. If his brother carried one bag of apples, how many pounds of food did Ben carry?

    A. 1.5 pounds

    B. 4.125 pounds

    C. 4.5 pounds

    D. 5.625 pounds

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13. A group of seven girls sold 604 boxes of cookies. One girl sold 100 boxes. If the other girls each sold the same number of boxes, how many boxes did each girl sell?

   A. 84

   B. 86

   C. 101

   D. 117

14. At a resturant, Mr. Jones ordered a steak plate for $13.95 and a piece of pie for $2.75. If tax is $0.93 and tip is $2, what is his change if he pays with a $20 bill?

   A. $0.70

   B. $1.30

   C. $2.30

   D. $0.37

15. If there are 6 servings in a $\frac{2}{3}$-pound (lb) package of peanuts, which fraction of a pound is in each serving?

   A. $\frac{1}{9}$ lb

   B. $\frac{1}{6}$ lb

   C. $\frac{4}{1}$ lb

   D. $\frac{9}{1}$ lb

16. Joe will go to the swimming pool on 20 different days this month.

- A one-day pass to the pool is $2.25.
- A monthly pass to the pool is $30.00.

How much money will Joe save by buying a monthly pass?

A. $20

B. $18

C. $15

D. $12

17. Jonathan paints on a rectangular canvas that has an area of $3\frac{1}{8}$ square feet. One side of the canvas measures $2\frac{1}{2}$ feet. What is the measure of the adjacent side?

A.

$\frac{5}{8}$ foot

B.

$1\frac{1}{4}$ feet

C.

$5\frac{5}{8}$ feet

D.

$7\frac{13}{16}$ feet

18. Which expression is equivalent to 90 + 72?

A. 9(10 + 72)

B. 9(10 + 9)

C. 18(5 + 72)

D. 18(5 + 4)

19. The table shows the distance Joey traveled on his bicycle after different amounts of time.

Time (minutes)	Distance (km)
15	5
30	10
45	15
60	20

At this rate, how many kilometers will Joey travel after 105 minutes?

A. 25 km

B. 30 km

C. 35 km

D. 40 km

20. In the table below, there is a relationship between *x* and *y*.

x	y
7	21
10	30
14	?

What is the missing value in the table?

A. 34

B. 39

C. 41

D. 42