TEST NAME: **7RP3-E**
TEST ID: **1697063**
GRADE: **07 - Seventh Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

Date: _____

1. **The drama teacher decreased the length of a play from 90 minutes to 60 minutes. What was the percent decrease in the length of the play?**

   A. 33%
   B. 40%
   C. 50%
   D. 67%

2. **A $48 aquarium is on sale at a discount of 24%. What is the sale price of the aquarium?**

   A. $11.52
   B. $24.00
   C. $36.48
   D. $45.60

3. **A salesperson gets a 3% commission on the sale of a copy machine. What is his commission on a copy machine that costs $4,950.00?**

   A. $148.50
   B. $1,485.00
   C. $1,650.00
   D. $4,801.50

4. **If an initial rabbit population of 250 increased by 16%, what is the rabbit population now?**

   A. 40
   B. 210
   C. 266
   D. 290

5. **The price of gasoline at the station Ricardo uses is $3.52 per gallon. Ricardo spent $33.00 on enough gasoline to travel a maximum of 260 miles in his car. What is the approximate maximum gas mileage Ricardo's car gets in miles per gallon (mpg) of gasoline?**

   A. 26.000 mpg
   B. 27.368 mpg
   C. 27.733 mpg
   D. 28.889 mpg

6. The art supply store is having a sale.

   - Paint sets are 20% off and everything else is 15% off.
   - Before the discount, a paint set is priced at $43.50, a canvas is $12.75, and paint brushes are $7.50.
   - Mary purchases all three of these items.

   About how much did Mary spend after the discount, before sales tax?

   A. $29

   B. $41

   C. $43

   D. $52

7. John earns $54 for every 2 cakes he sells. If he earned $432 in 4 days and sold the same number of cakes per day, how many cakes did he sell per day?

   A. 2

   B. 4

   C. 8

   D. 16

8. An auto shop normally charges $30.00 for an oil change, but they gave a 10% discount during a promotion sale. If a customer had a coupon for an additional 5% off the original cost, what is the discounted cost of the oil change?

   A. $25.50
   B. $25.65
   C. $27.00
   D. $28.50

9. If the price of a CD that normally costs $17.50 was marked up by 8%, what is the new cost?

   A. $17.64
   B. $18.30
   C. $18.90
   D. $25.50

10. Mary bought a shirt on sale for $15.00. The sales tax was 10%. If Mary paid with a $20 bill, what was her change?

   A. $1.50

   B. $3.50

   C. $4.90

   D. $5.00

11. **A tennis racket, regularly priced $48.00, is on sale for $31.20. What is the percent discount for the tennis racket?**

   A. 17%
   B. 30%
   C. 34%
   D. 35%

12. **Ms. Walker made a double stem-and-leaf plot to compare 15 students' scores on the last 2 math tests.**
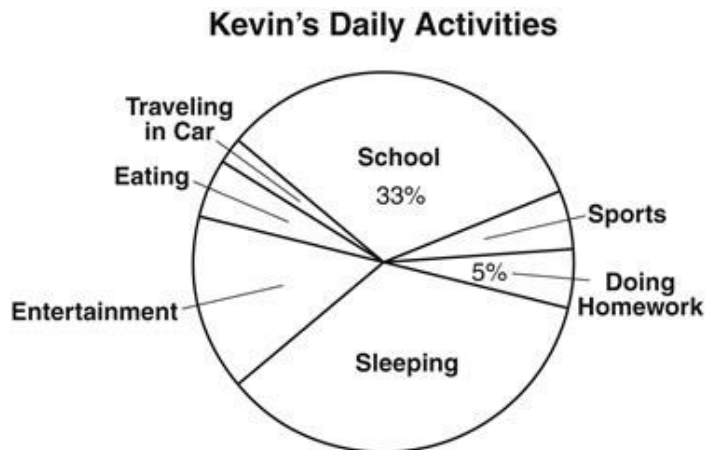
Scores on Math Test

Test 1	Stem	Test 2
6	5	2
0 4 8 8	6	8
2 6 6	7	2 2 2 2 6
0 0 0 8	8	0 0 0 4 8 8
2 2 6	9	2 2

KEY
$6\|5\| = 56$
$\|5\|2 = 52$

What was the percent increase in the number of students who received a score of 70 or higher between Test 1 and Test 2?

   A. 14%
   B. 30%
   C. 67%
   D. 87%

13. **Terrence bought a shirt for $12.59 and a backpack for $37.22. If sales tax is 8.25%, which is a reasonable estimate for the amount he paid?**

   A. $51.00
   B. $52.00
   C. $53.00
   D. $54.00

14. **A jacket sells for $24.99. All the merchandise in the store is on sale at a 25% discount. If the sales tax is 8%, what will a customer pay for the jacket?**

   A. $1.50
   B. $6.25
   C. $18.74
   D. $20.24

15. **The graph below shows the amount of time Kevin spends on various activities each day.**

Kevin's Daily Activities

If school, doing homework, and traveling in a car take up 9.6 hours of Kevin's day, what percent of his day does he spend traveling in a car?

   A. 7%
   B. 5%
   C. 3%
   D. 2%

16. **A store sells a 10-pound bag of flour for $5.20. If Larry can buy a 2-pound bag of flour at the same rate, what would be the price of the 2-pound bag?**

   A. $0.26
   B. $0.52
   C. $1.04
   D. $2.60

17. **Patricia earns $8 per hour plus 5% commission on everything she sells. Last week she worked 35 hours and sold $10,000 worth of merchandise. How much did Patricia earn last week?**

   A. $220
   B. $280
   C. $500
   D. $780

18. **Al invests $250 in a savings account that earns 5% simple interest annually. If he does not make any additional deposits or withdrawals, how much money will be in the savings account after 4 years?**

    A. $300.00
    B. $262.50
    C. $50.00
    D. $12.50

19. **Ben invests $450 in a savings account that earns 3% simple interest annually. If he does not make any additional deposits or withdrawals, how much money will be in the savings account after 2 years?**

    A. $13.50
    B. $27.00
    C. $463.50
    D. $477.00

20. **A music store is having a clearance sale. All items are discounted by 15%. What is the sale price of a radio that regularly costs $20?**

    A. $3
    B. $10
    C. $15
    D. $17