

TEST NAME: **MT_Percents**
TEST ID: **4109209**
GRADE: **07 - Seventh Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

Date: _____

1. Henry went to an amusement park with \$100.00 and spent all of it.
- He spent $\frac{1}{8}$ of the money on parking.
 - He spent \$42.50 on admission to the park.
 - He spent 20% of the money on food.
 - He paid a \$12.75 fee for admission into a water park located inside the amusement park.
 - He spent the remainder of his money on games that cost \$1.75 each.

How many games did Henry play?

- A. 12
- B. 10
- C. 9
- D. 7

2. A football coach wants to spread grass seed over the football field.
- The football field is 110 yards by 53 yards.
 - One bag of grass seed will cover 0.25 of an acre.
 - 1 acre = 4,840 yd²

How many bags of grass seed does the coach need to buy to cover the entire field?

- A. 3 bags
- B. 4 bags
- C. 5 bags
- D. 6 bags

3. The enrollment at a local university increased from 14,000 students to 20,000 students over a six-year period. What was the **approximate** average percent increase per year in student enrollment at the university?
- A. 5%
 - B. 7%
 - C. 30%
 - D. 43%
4. Emily estimated it would take her 40 minutes to run 3 miles. It actually took her 30 minutes. What was Emily's percent of error for the time she estimated to run 3 miles?
- A. 10.0%
 - B. 25.0%
 - C. 26.7%
 - D. 33.3%
5. Julie planned to walk 35 miles a week. On Monday and Wednesday she walked 5 miles each. Tuesday and Thursday she walked 3 miles each. Friday she walked 2 miles, Saturday she walked 7 miles, and Sunday she walked 4 miles. She failed to reach her goal. What was Julie's **approximate** percent error?
- A. 17.1%
 - B. 20.7%
 - C. 40.0%
 - D. 66.7%
6. Jimmy borrowed \$17,000 from the bank for the purchase of a van. The loan is for 6 years and charges 7% simple interest. What is Jimmy's **approximate** monthly payment over the life of the loan?
- A. \$335
 - B. \$295
 - C. \$253
 - D. \$236

7. At a car dealership, salespeople earn a 5% commission on the first \$10,000 of every sale, plus a 3% commission on any amount over \$10,000. A salesperson sold a car for \$12,300. What was the total commission on the sale?
- A. \$369
 B. \$569
 C. \$615
 D. \$984
8. A car originally cost \$16,000. The owner reduced the price of the car by 20%. After a few weeks, the owner reduced the price of the car by another 20%. Belinda then purchased the car. If a 3% sales tax was added, how much did Belinda pay for the car?
- A. \$9,600.80
 B. \$9,888.20
 C. \$10,240.00
 D. \$10,547.20
9. Juan asked 15 students how long they studied for a test. The results are shown in this table.

Number of People	Time Spent Studying (in minutes)
3	90
5	60
7	45

Juan asked 30 more students and found that the same percentage of students studied 45 minutes. How many people in the second group studied 45 minutes?

- A. 6
 B. 7
 C. 10
 D. 14

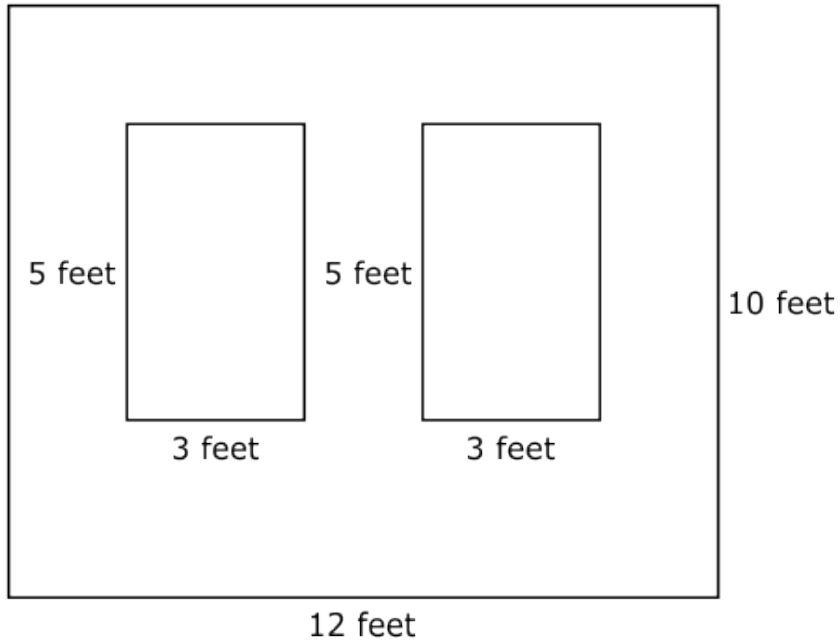
10. The ratio of boys to girls enrolled in summer camp is 3 : 2. Forty youth are attending summer camp.
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How many boys are attending the summer camp?

- A. 16 boys
 - B. 21 boys
 - C. 24 boys
 - D. 25 boys
11. Travis bought a pair of shoes that originally cost \$74.99. The shoes were on sale for 20% off, and sales tax was 7%. **Approximately** how much did the shoes cost after sales tax?
- A. \$63.79
 - B. \$64.19
 - C. \$65.24
 - D. \$66.99
12. A test contains 28 multiple-choice questions and some open-ended questions. If 70% of the test questions are multiple-choice and the rest of the questions are open ended, how many open-ended questions are on the test?
- A. 7 questions
 - B. 12 questions
 - C. 22 questions
 - D. 40 questions
13. George wants to buy a new television that is on sale for $\frac{1}{4}$ off the regular price of \$599.96. The sales tax is 7%. What is the final price of the television including tax?
- A. \$418.47
 - B. \$449.97
 - C. \$481.47
 - D. \$513.57

14. Glenda borrowed \$4,500 at a simple interest rate of 7% for $3\frac{1}{2}$ years to buy a car. How much simple interest did Glenda pay?
- A. \$1,102.50
 - B. \$1,260.00
 - C. \$1,285.71
 - D. \$3,150.00
15. A roll of fabric is 12 yards long. A salesperson cuts three pieces off the roll measuring $2\frac{3}{4}$ yd, $5\frac{1}{3}$ yd, and $1\frac{1}{5}$ yd. **Approximately** what percentage of the roll of fabric remains?
- A. 3%
 - B. 9%
 - C. 23%
 - D. 77%

16. A 10-foot by 12-foot wall has two windows that measure 3 feet by 5 feet each.



If the windows are not to be painted, what percent of the wall will be painted?

- A. 25%
- B. 65%
- C. 75%
- D. 90%