MATHEMATICS TEST

60 Minutes – 60 Questions

DIRECTIONS: Solve each problem, choose the correct answer, and then darken the corresponding oval on your answer sheet.
Do not linger over problems that take too much time. Solve as many as you can; then return to the others in the time you have left for this test.
You are permitted to use a calculator on this test. You may use your calculator for any problems you choose, but some of the problems may best be done without using a calculator.

NOTE: Unless otherwise stated, all of the following should be assumed:

1. **Illustrative figures are NOT necessarily drawn to scale.**
2. **Geometric figures lie in a plane.**
3. **The word *line* indicates a straight line.**
4. **The word *average* indicates arithmetic mean.**

1. If $y = -6$, what is the value of $\frac{y^2 - 4}{y - 2}$?

A. -8
B. -4
C. 4
D. 9
E. 28

2. A school offered its students an optional field trip. If 15 or fewer students went on the field trip, the charge for each student would be $11.50. If more than 15 students chose to go on the field trip, the charge for each student would be $10.25. 18 students opted to go on the tour, but each pre-paid $11.50. The students agreed to put the extra amount toward dinner on the trip. How much total money will be put toward dinner on the trip?

F. $ 12.50
G. $ 14.75
H. $ 21.75
J. $ 22.50
K. $ 33.00

Answers

1. B
2. J