



MATHEMATICS

Algebra 1 – 7th and 8th Grade

NTI DAY

Please complete the attached assignment and turn in within 3 days of the NTI Day.

Coach Gilly

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Algebra 1

Name _____ I

Assignment

Date _____ Period _

Solve each question. Round your answer to the nearest hundredth.

- 1) It takes Stephanie five minutes to sweep a porch. John can sweep the same porch in nine minutes. How long would it take them if they worked together?
- 2) Jenny can oil the lanes in a bowling alley in five hours. John can oil the same lanes in eight hours. How long would it take them if they worked together?
- 3) Arjun can oil the lanes in a bowling alley in five hours. Ming can oil the same lanes in ten hours. How long would it take them if they worked together?
- 4) It takes Paul five hours to pour a large concrete driveway. Jill can pour the same driveway in seven hours. How long would it take them if they worked together?
- 5) Arjun can paint a fence in six hours. Jasmine can paint the same fence in eight hours. Find how long it would take them if they worked together.
- 6) Alberto can mop a warehouse in seven hours. Carlos can mop the same warehouse in six hours. If they worked together how long would it take them?
- 7) Jenny can dig a 10 ft by 10 ft hole in six hours. Shayna can dig the same hole in five hours. If they worked together how long would it take them?
- 8) Jessica can mop a warehouse in ten hours. Jennifer can mop the same warehouse in six hours. How long would it take them if they worked together?