

Students apply algebraic techniques to solve rate problems, work problems, and percent mixture problems. 1A15.0

182. Mr. Jacobs can correct 150 quizzes in 50 minutes. His student aide can correct 150 quizzes in 75 minutes. Working together, how many minutes will it take them to correct 150 quizzes?

- A** 30
- B** 60
- C** 63
- D** 125

183. Ricardo runs 10 miles each Saturday. If he doubles his usual speed, he can run the 10 miles in one hour less than his usual time. What is his usual speed?

- A** 2 miles per hour
- B** 3 miles per hour
- C** 4 miles per hour
- D** 5 miles per hour

184. Yoshi has exactly one dollar in dimes (10 cents) and nickels (5 cents). If Yoshi has twice as many dimes as nickels, how many nickels does she have?

- A** 4
- B** 8
- C** 12
- D** 15