

Name:

Date: Score:

Linear Equations Word Problems Worksheet

- ① David takes 3 hrs to paint a room. Sara takes 6 hrs to complete the same job. If they work together how long they will take to complete the task?

- ② Find three consecutive odd integers such that the sum of twice the first, the second and three times the third is 152.

- ③ Nancy bought a soft drink for \$4 and 8 candy bars. She spent a total of \$28. How much did each candy bar cost?

- ④ A rectangle is 2 m tall and 4 m wide. If its width is enlarged to 5 m without changing its perimeter, then find the new length of the rectangle?

- ⑤ Mary bought one seedless watermelon for \$1. How many seedless watermelons can she buy for \$11?

- ⑥ The sum of three consecutive even numbers is 156. What is the smallest number?

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Answers

- ① David takes 3 hrs to paint a room. Sara takes 6 hrs to complete the same job. If they work together how long they will take to complete the task?

2 hrs

- ② Find three consecutive odd integers such that the sum of twice the first, the second and three times the third is 152.

23, 25, 27

- ③ Nancy bought a soft drink for \$4 and 8 candy bars. She spent a total of \$28. How much did each candy bar cost?

\$3

- ④ A rectangle is 2 m tall and 4 m wide. If its width is enlarged to 5 m without changing its perimeter, then find the new length of the rectangle?

1 m

- ⑤ Mary bought one seedless watermelon for \$1. How many seedless watermelons can she buy for \$11?

11

- ⑥ The sum of three consecutive even numbers is 156. What is the smallest number?

50, 52, 54
