

Work Problems
Unit 5: Real World Applications

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

1. Working alone, Willie can harvest a field in 11 hours. Eugene can harvest the same field in 9 hours. Find out how long it would take them if they worked together.

2. Working alone, Ashley can clean an attic in 13 hours. Rose can clean the same attic in 9 hours. Find out how long it would take them if they worked together.

3. Danielle can dig a 3 meter by 3 meter hole in ten hours. Perry can dig the same hole in nine hours. If they worked together how long would it take them?

4. Working alone, it takes Ryan 15 hours to tar a roof. Derrick can tar the same roof in 13 hours. Find out how long it would take them if they worked together.

5. It takes Casey nine hours to pick forty bushels of apples. Nicole can pick the same amount in 12 hours. If they worked together how long would it take them?

6. Working alone, it takes Rob 9.4 hours to clean an attic. Anthony can clean the same attic in 13.6 hours. If they worked together how long would it take them?

7. Brittany can pick forty bushels of apples in 11.4 hours. Stefan can pick the same amount in 11.6 hours. How long would it take them if they worked together?

8. Mike can pick forty bushels of apples in 14 hours. Mia can pick the same amount in 11 hours. If they worked together how long would it take them?

9. It takes Gabriella 11.3 hours to install a new deck. Noah can install the same deck in 14 hours. If they worked together how long would it take them?

10. Jimmy can pick forty bushels of apples in 14.7 hours. Wyatt can pick the same amount in 8.6 hours. Find out how long it would take them if they worked together.

11. Jennifer can harvest a field in 13 hours. One day her friend Leigh helped her, and it only took 5.65 hours. Find out how long it would take Leigh to do it alone.

12. Rob can mop a warehouse in 8 hours. One day his friend Nicole helped him, and it only took 4.8 hours. Find out how long it would take Nicole to do it alone.

13. Gabriella can pick forty bushels of apples in 8 hours. One day her friend Wilbur helped her, and it only took 5.22 hours. How long would it take Wilbur to do it alone?

14. Willie can mop a warehouse in nine hours. One day his friend Beth helped him, and it only took 4.24 hours. Find out how long it would take Beth to do it alone.

15. John can pick forty bushels of apples in 10 hours. One day his friend Kim helped him, and it took only 5.83 hours. Find out how long it would take Kim to do it alone.

16. Working together, Michael and Katie can mop a warehouse in 5.17 hours. Had she done it alone it would have taken Katie 9.6 hours. Find out how long it would take Michael to do it alone.

17. Working alone, Molly can mop a warehouse in 12 hours. One day her sister Margie helped her, and it only took 5.45 hours. How long would it take Margie to do it alone?

18. Mia can harvest a field in 12 hours. One day her sister Michelle helped her, and it took only 6.24 hours. How long would it take Michelle to do it alone?

19. Working together, Dan and Lisa can pick forty bushels of apples in 6.09 hours. Had he done it alone it would have taken Dan 13.5 hours. How long would it take Lisa to do it alone?

20. Working alone, Ashley can pick forty bushels of apples in 13.8 hours. One day her friend Brian helped her, and it only took 5.48 hours. How long would it take Brian to do it alone?