Work Problems – Day 4
Unit 5: Real World Applications

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

1. It takes Brenda 11 hours to pick forty bushels of apples. Kristin can pick the same amount in 12 hours. Find out how long it would take them if they worked together.

2. Working alone, Elisa can tar a roof in 12 hours. Mark can tar the same roof in 15 hours. If they worked together how long would it take them?

3. Working alone, it takes Alberto 13 hours to tar a roof. James can tar the same roof in 16 hours. How long would it take them if they worked together?

4. It takes Cody 12 minutes to wash the car. Bryson can wash the same car in 13 minutes. How long would it take them if they worked together?

5. Working alone, it takes Khloe 11 hours to pick forty bushels of apples. Kathryn can pick the same amount in 15 hours. How long would it take them if they worked together?

6. It takes Brenda 13.7 minutes to sweep a porch. Stefan can sweep the same porch in 8.5 minutes. If they worked together how long would it take them?

7. Natalie can pick forty bushels of apples in 14.1 hours. Mike can pick the same amount in 10.6 hours. How long would it take them if they worked together?

8. It takes Gabby 11 hours to mop a warehouse. Cody can mop the same warehouse in 8 hours. Find out how long it would take them if they worked together.

9. Working alone, it takes Danielle 9.4 hours to mop a warehouse. Shanice can mop the same warehouse in eight hours. How long would it take them if they worked together?

10. Working alone, it takes Mark 8.5 hours to oil the lanes in a bowling alley. Danielle can oil the same lanes in 9.4 hours. Find out how long it would take them if they worked together.

11. Working alone, Kim can pick forty bushels of apples in 11 hours. One day her friend Collin helped her, and it only took 6.35 hours. How long would it take Collin to do it alone?

12. Working alone, Nicole can tar a roof in 15 hours. One day her brother Clayton helped her, and it only took 6.67 hours. How long would it take Clayton to do it alone?

13. Working alone, James can weed a garden in 12 minutes. One day his friend Brendan helped him, and it only took 5.74 minutes. How long would it take Brendan to do it alone?

14. Working together, Scott and Sean can pick forty bushels of apples in 5.65 hours. Had he done it alone it would have taken Sean 13 hours. Find out how long it would have taken Scott to do it alone.

15. Working alone, Amy can harvest a field in 9 hours. One day her friend Jhance helped her, and it only took 5.32 hours. How long would it take Jhance to do it alone?

16. Jack can pick forty bushels of apples in 8 hours. One day his friend John helped him, and it only took 5.09 hours. How long would it take John to do it alone?

17. Working together, Kim and Natalie can pick forty bushels of apples in 5.45 hours. Had she done it alone it would have taken Natalie 10 hours. How long would it take Kim to do it alone?

18. Working together, Ming and Amanda can mop a warehouse in 5.29 hours. Had she done it alone it would have taken Amanda 10.1 hours. How long would it take Ming to do it alone?

19. Working together, Shawna and Sara can tar a roof in 6.16 hours. Had he done it alone it would have taken Sara 14 hours. How long would it take Shawna to do it alone?

20. Heather can clean an attic in 16 hours. One day her friend Amy helped her, and it only took 6.15 hours. How long would it take Amy to do it alone?