

1. $42/42$
2. $17/7$
3. -12
4. $-5/2$
5. $1/4$
6. 5
7. $2, -2$
8. $2 \frac{11}{12}$
9. Passenger train: 56 mph, Freight train: 44 mph
10. Speed going was 18 mph
11. 2.3 km/h
12. 46
13. 4.56
14. 1.75
15. 14
16. $23 \frac{3}{5}, 60$
17. 72
18. $52/3$
19. $k = 2, y = 2x$
20. 367,290,000
21. $245/4$
22. $k = 110, y = 110/x$
23. Inverse variation, $3/2$ hours
24. $1250/9$