

1. a) 42 b) 108 c) $\frac{12}{13}$ d) $\frac{54}{275}$ e) 493 f) $32\frac{12}{25}$
2. 28 mangoes 3. $42\frac{12}{35}$ 4. a) $\frac{2}{55}$ b) $\frac{1}{18}$ c) $\frac{1}{12}$
- d) $4\frac{29}{125}$ e) $1\frac{1}{13}$ f) $\frac{5}{51}$ 5. $3\frac{1}{3}$ 6. a) 27 in b) 34 yd
7. a) 56 m^2 b) 63 ft^2 c) 171 in^2 8. 225 m^2 9. 5 m 10. 60 cm^2
11. 132 in^2 12. 942 in 13. 25 yd 14. 120 cm
15. a) AVU, AUIE, UVOI, OEI, AVOE b) A, V, U, O, I, E
c) AV, AU, AE, UV, UI, IO, EI, EO, VO
17. 181.5 sq in
19. square
20. a) kg, T b) kg, T 21. a) 5 c 5 fl oz b) 110,880 ft
c) 1.3 km d) 1,900,000 22. 99 lb 23. 227.4 24. 6 hr 9 min
25. 18 hr 40 min 26. 47°C 27. a) 34°C b) 66°F c) 89°F
d) 64°C 28. 6:22 A.M. 29. a) 30 ft b) 216 cups c) 3,200 cm
d) 7 kg 550 g
31. a) yes b) no
32. a) 23 b) 15
33. c
34. $y=x+6$; 10; 26
35. 20, 40
36. a) 3:5 b) 4:3
37. a) yes b) no c) yes 38. a) $\frac{65}{100}=65\%$
- b) $\frac{93}{100}=93\%$ c) $\frac{28}{100}=28\%$ 39. a) $\frac{9}{20}=0.45$
- b) $\frac{31}{25}=1.24$ c) $\frac{71}{1,000}=0.071$ 40. 300, 200
41. a) -10 b) 165 42. -5 43. $y=3x-1$; 29
44. A(-6,5), B(-7,2), C(-2,2), M(1,5), N(6,7), O(8,1), I(-2,-5), J(-2,-8), K(3,-8),
L(3,-5)
45. a) (4,1), (7,4), (10,7) b) (4,8), (7,14), (10,20)
47. d
49. mean=5; median=4.5; mode=4; range=8
50. d
51. a) similar b) congruent
54. 1H, 2H, 3H, 4H, 5H, 6H, 1T, 2T, 3T, 4T, 5T, 6T=12 possible outcome
55. $\frac{1}{8}$
56. a) $\frac{1}{2}$ b) $\frac{1}{5}$
57. 15 ways