

Unit 5 - Line Graphs**1 Line Graphs (pp. 51-53)**

1. (a) 1000 (b) 1500 (c) 500
2. (a) 75 (b) 100
3. (a) \$150,000 (b) \$125,000
4. (a) 18 (b) 5 (c) 8

Review B (pp. 54-56)

1. (a) 22 (b) 40
2. (c) 460 (d) 32
3. 82
4. 60
5. $\frac{1}{4}$ kg
6. \$1500
7. 48 cm
8. \$17.50
9. 1.71 m
10. (a) 75% (b) 70%
11. 0.80
12. $\frac{9}{25}$
13. (a) 90% (b) 8%
14. (c) 58% (d) 9%
15. (a) 11.2 (b) 78.4 kg
16. (c) \$3.15
17. 147
18. 25
19. 5200
20. \$36
21. 40 min
22. \$28.40
23. 72 cm²
24. 20 in.² [cm²]
25. (a) 30° (b) 20°
26. (a) 200 l (b) \$115.00

Unit 6 - Triangles**1 Sum of Angles of a Triangle**

1. (a) $90 + 55 + 35 = 180$
2. (b) $75 + 65 + 40 = 180$
3. (c) $35 + 125 + 20 = 180$
4. 44
5. (a) 68 (b) 102 (c) 43
6. 33
7. A and C
8. 84
9. (a) 133 (b) 60

2 Isosceles and Equilateral Triangles (pp. 61-64)

3. B and C
4. P and Q

5. 110
6. 130
7. 75
8. (a) 130 (b) 40
9. (c) 120 (d) 30 (e) 20

Unit 7 - 4-Sided Figures**1 Parallelograms, Rhombuses, and Trapezoids (pp. 68-71)**

3. (x) 80 (y) 60 (z) 65
4. (x) 60 (y) 50 (z) 55
5. 130; 60
6. (a) 55 (b) 112 (c) 108

Unit 9 - Volume**1 Cubes and Cuboids (pp. 80-82)**

1. 3
2. 4
3. (a) 9 (b) 12
4. 12.5
5. (a) 4 (b) 4
6. 3.75; 6.25

2 Finding the Volume of a Solid (pp. 83-84)

- 80, 30
1. 1,800; 1,800
2. 1,080

Practice 9A (p. 85)

1. (a) 4 cm (b) 9 in. [cm]
2. 5 in. [cm]
3. 12.5 cm
4. 6 cm
5. 108 cm³

Review C (pp. 86-89)

1. (a) 2250 g (b) 3.09 km
2. (c) 2 m 30 cm
3. 8:55 p.m.
4. $\frac{1}{10}$
5. \$9
6. \$384
7. 12
8. (a) 145 (b) 3.15 cm
9. 68
10. (a) 1 : 5 (b) 1 : 2 (c) 3 : 2
11. (d) 4 : 1 (e) 5 : 2 (f) 1 : 25
12. (a) 15 (b) 8
13. 12
14. 70

13. \$75
14. 24
15. (a) 15 (b) 35
16. (a) \$26 (b) \$52
17. 480
18. \$227.50
19. \$3060
20. \$704
21. 81 cm^2
22. 20 m^2
23. 630 cm^2
24. 32°
25. $12,000 \text{ cm}^3$
26. 7.5 cm
27. 3 kg
28. (a) 30 l (b) $2\frac{1}{2}$ min.

Review D (pp. 90-93)

1. (a) 18 (b) 36
2. (a) $2\frac{1}{3}$ (b) 63
(c) $\frac{1}{4}$ (d) $\frac{4}{27}$
3. (a) 3.79 (b) 0.867
4. $2\frac{9}{200}$
5. (a) 4.0 (b) 7.64
6. 3000 km
7. 106
8. 5 : 3 : 14
9. (a) 80% (b) 45%
10. $\frac{12}{25}$
11. 156 min
12. 0.75 kg
13. \$0.80
14. \$23.33
15. 51 kg
16. (a) $\frac{3}{10}$ (b) \$50
17. 24 min
18. \$4.90
19. 72

20. 360
21. (a) 32° (b) 97°
22. 40 cm^2
23. 12 cm
24. 8 l
25. (a) 6 (b) 52%

***Review E (pp. 94-96)**

1. 548
2. (a) $\frac{7}{12}$ lb (b) $1\frac{1}{3}$ lb
3. $\frac{3}{10}$ qt
4. $1\frac{1}{4}$ ft
5. 6 mi
6. 12 gal
7. 30 in.
8. (a) 11 oz; $\frac{3}{4}$ lb; $\frac{13}{16}$ lb
(b) 1.5 gal; 10 qt; 16 qt
(c) $3\frac{1}{6}$ ft; 39 in.; $1\frac{2}{3}$ yd

	Height	Weight
Ryan	21.5 in.	7 lb 3 oz
Alex	19 in.	6 lb 2 oz
Jeff	20.5 in.	6 lb 12 oz.

- 9.
10. 143 in.
11. 245.68 ft
12. 2 lb 9 oz
13. (a) 13 yd 1 ft (b) 40 gal 2 qt
(c) 38 qt 2 c (d) 26 qt 0 pt
(e) 1 lb 7 oz (f) 0 ft 4 in.
(g) 1 gal 1 qt
14. 11 in.
15. (a) 60 in.^2 (b) 48 ft^2
16. (a) 120 in.^3 (b) 14 ft^3
17. 15 in.
18. 35 gal
19. (a) 23 qt (b) 59 in.
(c) 93 oz (d) 8 pt
20. (a) 3 qt 3 c (b) 22 qt 1 pt
(c) 52 gal 0 qt (d) 3 ft 2 in.

Exercise 39

1. (a) 75° (b) 39°
(c) 90° (d) 85°

Exercise 40

1. (a) 123° (b) 136°
(c) 39° (d) 31°

Exercise 41

1. (a) 43° (b) 52°
(c) 110° (d) 43°

Exercise 42

1. (a) 60° (b) 30°
(c) 65° (d) 60°

Exercise 43

1. (a) 70° (b) 53°
(c) 145° (d) 28°
(e) 62° (f) 120°
(g) 50° (h) 45°

Exercise 45

1. (a) 55° (b) 105°
(c) 125° (d) 20°
(e) 110° (f) 60°
(g) 100° (h) 135°

Exercise 46

1. (a) 100° (b) 30°
(c) 56° (d) 107°
(e) 140° (f) 45°
(g) 60° (h) 50°

Exercise 47

1. (a) 68° (b) 25°
(c) $96^\circ, 132^\circ$ (d) $112^\circ, 68^\circ$
(e) 80° (f) 18°
(g) $48^\circ, 59^\circ$ (h) 62°

Exercise 50

1. (a) No (b) Yes
(c) Yes (d) No

Review 2

1. 0.75 0.35
 $\frac{4}{5}$ $\frac{7}{20}$ $\frac{12}{25}$
80% 75% 48%
2. (a) 35% (b) 65%
3. 40%
4. (a) \$25 (b) \$1050

5. \$156
6. \$184
7. \$6.60
8. (a) \$10 (b) \$6
9. 52
10. \$900
11. 7 h
12. (a) \$10.50 (b) 3 h
13. (a) 125° (b) 95° (c) 38°
14. 72°
15. 35°
16. \$8.50
17. \$148
18. 8

Exercise 53

1. 4 cm
2. (a) 6 cm (b) 7 cm (c) 4 cm
3. 3 cm
4. 2.5 m

Exercise 54

1. 9 in. [cm] 2. 13 cm

Exercise 55

1. 900 cm^3 2. 400 cm^3

Review 3

1. (a) 116 (b) 28
(c) 71.2 (d) 0.056
2. 5.629
3. 0.01
4. 3.75
5. 64
6. 16.3
7. 2.44
8. $\frac{3}{5}, \frac{5}{7}, \frac{3}{4}$
9. 140 min
10. 1200 ml
11. 25%
12. 0.07
13. $\frac{9}{25}$
14. \$6
15. 75°
16. 32°
17. 40 cm^3
18. (a) 30 in.^2 [cm^2]
(b) 3 : 7
19. (a) 150 l (b) 250 l
20. \$20
21. \$40