

Workbook Answer Key

Unit 6

Exercise 1 (p. 7–9)

1. (a) 0.2 (b) 0.5
 (c) 0.8 (d) 0.9
2. (a) 0.4 (b) 0.7
3. (a) 0.9 (b) 0.5
4. (a) 0.2 (b) 0.6 (c) 0.9
5. (b) 0.4 (c) 0.5 (d) 0.1

Exercise 2 (p. 10–11)

1. 6.3
2. (a) 6.4 (b) 9.7 (c) 8.2
3. (a) 1.6 (b) 2.4
4. (a) 2:8 (b) 1.4

Exercise 3 (p. 12–13)

1. 0.3, 0.4, 0.5;
 $\frac{2}{10}, \frac{6}{10}$;
 1.3, 1.4, 3.5;
 $1\frac{2}{10}, 2\frac{2}{10}$
2. (a) 0.4 (b) 1.4
 (c) 0.5 (d) 3.5
3. (a) $\frac{3}{10}$ (b) $2\frac{3}{10}$
 (c) $\frac{3}{5}$ (d) $3\frac{3}{5}$
4. (a) 0.4, 1.3, 2.8
 (b) 8.8, 10.2, 11.7
 (c) 59.5, 61.6, 64.4
5. (a) > (b) >
 (c) = (d) >
6. (a) 0.1 (b) 0.9
7. (a) 6.2 (b) 2.9
8. 5.7, 6.5, 7.3, 9.6
9. 9, 4.9, 3.6, 3.4
10. 2.7, 2.9;
 6, 6.5

Exercise 4 (p. 14–15)

1. (a) 34.6 (b) 50.7
 (c) 45.3 (d) 40.9
2. (a) 0.8 (b) 0.3 (c) 90
 (d) 30 (e) 5 (f) 9

2.1	1.2	$\frac{2}{10}$	$1\frac{5}{10}$	5
0.1	$2\frac{1}{10}$	$1\frac{2}{10}$	0.5	1.5
0.3	$\frac{9}{10}$	0.9	$\frac{5}{10}$	0.8
$1\frac{3}{10}$	4.1	$4\frac{1}{10}$	$2\frac{8}{10}$	$3\frac{7}{10}$
13	$\frac{4}{10}$	2.8	3.7	6
0.4	1.4	$1\frac{4}{10}$	$\frac{6}{10}$	0.6

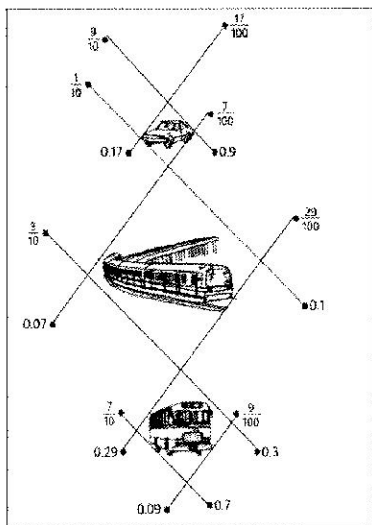
Exercise 5 (p. 16–18)

1. (a) 0.82 (b) 8.34 (c) 3.05
 (d) 5.17 (e) 20.09
2. (a) 34.02 (b) 40.25
 (d) 24.13 (e) 30.04
3. (a) 0, 0 (b) 0, 0
 (c) tenths, 0.4
 (d) tens, 50
 (e) hundredths, 0.03
 (f) ones, 0
4. (a) 0.03, 0.2, 0, 90
 (b) 0.01, 0.4, 7, 80
 (c) 0.09, 0, 6, 50
 (d) 0.8, 8, 10, 200

Exercise 6 (p. 19–20)

1. (a) 0.07 (b) 1.07 (c) 0.58
 (d) 2.58 (e) 0.24 (f) 1.24
 (g) 0.65 (h) 3.65 (i) 0.03
 (j) 2.03 (k) 0.05 (l) 10.05

2.



Exercise 7 (p. 21–22)

1. (a) 80.7 (b) 24.5
 (c) 34.04 (d) 7.29
2. (a) $\frac{7}{100}$ (b) $\frac{5}{100}$ (c) $\frac{2}{10}$
 (d) $\frac{7}{10}$ (e) $\frac{4}{10}$
3. (a) 0.04 (b) 0.05 (c) 0.1
 (d) 0.08 (e) 0.3
4. (a) 1, 1.2 (b) 3, 3.5
 (c) 2.7, 2.5 (d) 8.5, 7.5
 (e) 0.2, 0.3 (f) 0.3, 0.25
 (g) 0.08, 0.12
 (h) 9.85, 9.75
5. (a) 0.13, 0.28
 (b) 0.87, 0.97
 (c) 3.08, 3.22, 3.37

Exercise 8 (p. 23–24)

1. (a) $\frac{1}{2}$ (b) $2\frac{1}{2}$ (c) $\frac{2}{25}$
 (d) $1\frac{2}{25}$ (e) $\frac{3}{20}$ (f) $3\frac{3}{20}$
 (g) $\frac{16}{25}$ (h) $1\frac{16}{25}$
2. 2, 0.2
3. 75, 0.75

4. (a) 5, 0.5 (b) 5, 3.5
 (c) $\frac{6}{10}$, 0.6
 (d) $1\frac{6}{10}$, 1.6
 (e) $\frac{25}{100}$, 0.25
 (f) $2\frac{25}{100}$, 2.25
 (g) $\frac{16}{100}$, 0.16
 (h) $1\frac{16}{100}$, 1.16
5. (a) 0.8 (b) 3.8 (c) 0.45
 (d) 1.45 (e) 0.06 (f) 2.06

Exercise 9 (p. 25–26)

1. (a) > (b) >
 (c) < (d) >
2. (a) < (b) > (c) <
 (d) > (e) = (f) >
 (g) = (h) >
3. (a) 0.88 (b) 2.99 (c) 0.42
4. (a) 3 (b) 8.1 (c) 7.01
5. (a) 6.1, 6.01, 1.06, 0.61
 (b) 5.33, 5.3, 5.03, 5

Exercise 10 (p. 27–28)

1. (a) 324.57 (b) 234.05
2. (a) 46.13 (b) 39.21 (c) 59.98
 (d) 42.49 (e) 0.1 (f) 0.01
 (g) 0.1 (h) 0.01
3. (a) 5.56 (b) 4.95 (c) 4.02
 (d) 7.23 (e) 4.58 (f) 8.1
 (g) 6.5 (h) 5.34
4. (a) 2.33 (b) 4.68 (c) 3.98
 (d) 1.64 (e) 3.45 (f) 4.22
 (g) 5.19 (h) 3.63
5. (a) 0.38 (b) 0.99 (c) 0.92

Exercise 11 (p. 29–30)

1. (a) 0.004 (b) 4.007
 (c) 0.083 (d) 0.435
2. (a) 0.003 (b) 0.406
3. (a) $\frac{9}{1000}$ (b) $\frac{43}{1000}$
4. (a) 3, 4, 7, 9
 (b) 4, 0.4 (c) 0.009 (d) 0.07
5. (a) 8.4, 8.8, 9.1, 9.5
 (b) 3.22, 3.25, 3.29, 3.32

- (c) 5.999, 6.002, 6.007, 6.012
 (d) 5.265, 5.269, 5.272, 5.275

Exercise 12 (p. 31)

- (a) 4.7 (b) 9.1
(c) 1.924 (d) 5
- (a) 624.8 (b) 5.73 (c) 1.1
- (a) > (b) < (c) =
(d) > (e) > (f) <
- 2.128, 2.18, 2.218, 2.8
- 6.952, 6.3, 6.295, 6.03

Exercise 13 (p. 32–33)

- (a) $\frac{16}{25}$ (b) $\frac{19}{50}$
(c) $2\frac{2}{25}$ (d) $4\frac{19}{20}$
(e) $\frac{27}{125}$ (f) $\frac{44}{125}$
(g) $3\frac{88}{125}$ (h) $2\frac{17}{40}$
- (a) 2.75 (b) 0.5
(c) $1\frac{1}{2}$ (d) 0.65
- (a) 1.245, 1.254, 1.425, 1.524
(b) 0.097, 0.119, 0.19, 0.91
(c) $1\frac{9}{10}$, 2.5, $3\frac{1}{2}$, 3.95
(d) 7.1, $7\frac{1}{5}$, 7.5, $7\frac{3}{5}$

Exercise 14 (p. 34–35)

- (a) 74 (b) 10
(c) 19 (d) 33
- (a) 47 lb (b) 3 m
(c) 1 f (d) 29 km
- (a) \$3 (b) \$11
- (a) 2 f (b) 2 f
- (a) 40 (b) 46 (c) 6
(d) 6 (e) 102 (f) 300

Exercise 15 (p. 36)

- (a) 4.7 (b) 8.1
- (a) 1.5 f (b) 20.3 kg (c) 9.1 m
- 34.9 kg, 41.7 kg, 39.8 kg

Review 6 (p. 37–41)

- 92,405
- thousands

- 46,495
- (a) 6000 (b) 42,096 (c) 90,800
(d) 27,481 (e) -11 (f) -19
- 8, 0, 10
- 78, 502
- (a) 0.03 (b) -10
- 24,519
- 30, 60
- (a) 41 (b) 274
(c) 1097 (d) 443
- $\frac{8}{12}$
- $\frac{7}{12}$
- 13
- 3.4
- 1.21, 1.28, 1.32
- 4.5, 5
- $2\frac{1}{6}$ yd
- 30
- 10 m
- \$25
- (a) 10 cm (b) 5 cm
(c) 40 cm (d) 100 cm²
(e) square, parallelogram, rhombus
- 125°
- $\angle d$
- 1100
- \$920
- 6
- 16 cm

Unit 7**Exercise 1 (p. 42)**

- (a) 0.8 (b) 1.2 (c) 0.6
(d) 1 (e) 1.4
- (a) 0.06 (b) 0.12 (c) 0.05
(d) 0.1 (e) 0.11

Exercise 2 (p. 43)

- (a) 3.1 (b) 5.4
(c) 10.5 (d) 6.2
- (a) 5.0 (b) 8.3
(c) 13.7 (d) 16.3

Exercise 3 (p. 44–45)

- (a) 2.73 (b) 2.55 (c) 5.05
(d) 4.57 (e) 6.24 (f) 3.88
(g) 2.7 (h) 4.34
- (a) 0.92 (b) 3.03 (c) 2.36

- (d) 28.28 (e) 3.62 (f) 9.61
 (g) 17.34 (h) 68.18

Exercise 4 (p. 46)

- 45, 42.9
 21, 20.51
 44, 44.09
 90, 90
 11, 11.36
 67, 66.9
 34, 33.6
 63, 63
 28, 27.35
 88, 88.75
 68, 68.05
 82, 82

GREAT WALL OF CHINA

Exercise 5 (p. 47)

- (a) 0.6 (b) 0.9
 (c) 0.3 (d) 3.9
- (a) 5.3 (b) 2.6
 (c) 3.16 (d) 2.2

Exercise 6 (p. 48–49)

- (a) 0.05 (b) 0.65
 (c) 0.85 (d) 0.92
- (a) 4.38 (b) 1.48
- (a) 0.42 (b) 3.24 (c) 2.78
 (d) 6.06 (e) 2.62 (f) 4.23
 (g) 5.04 (h) 3.91

Exercise 7 (p. 50)

- (a) 2.1 (b) 2.7 (c) 3.6
 (d) 1.6 (e) 2.2 (f) 1.4
 (g) 4.1 (h) 3.6

Exercise 8 (p. 51–52)

- (a) 2.44 (b) 5.55 (c) 0.07
 (d) 8.78 (e) 3.24 (f) 4.76
 (g) 6.15 (h) 5.43
- 2.35; 3.08; 0.43; 4.65
 4.67; 0.78; 7.24; 1.37
 7.38; 4.16; 8.96; 6.78
 PENGUIN; OSTRICH

Exercise 9 (p. 53)

- (a) 7.24; 7.23; 7.23
 (b) 11.63; 11.58; 11.58

- (c) 1.82; 1.83; 1.83
 (d) 4.05; 4.07; 4.07
- (a) 9.79; 10 (b) 10.64; 11
 - (a) 4.26; 4 (b) 4.58; 5

Exercise 10 (p. 54–56)

- 2.65 yd
- 1.4 kg
- \$33.91
- \$9.60
- \$3.50
- \$84.30
- 1 ft

Exercise 11 (p. 57–58)

- (a) 0.8 (b) 1.8 (c) 1.4
 (d) 3.6 (e) 3 (f) 5.6
 (g) 2.7 (h) 4
- (a) 0.06 (b) 0.28 (c) 0.18
 (d) 0.35 (e) 0.3 (f) 0.72
 (g) 0.12 (h) 0.48

Exercise 12 (p. 59)

- (a) 8.6 (b) 19.2
 (c) 16.8 (d) 42.3
- (a) 27.6, 28
 (b) 38.5, 42
 (c) 132.5, 150
 (d) 244.8, 240

Exercise 13 (p. 60–61)

- (a) 1.66 (b) 0.72
 (c) 15.78 (d) 27
- (a) 42.18, 42
 (b) 45.12, 48
 (c) 579.46, 581
 (d) 582.48, 585
- 0.96; 81.2; 0.21; 14.73
 32.25; 561; 726.3; 64.44
 36.45; 3265.6; 28.94; 78.48
 HELP THE NEEDY

Exercise 14 (p. 62–64)

- 3.75 yd
- 28.5 l
- \$15
- 6.90; 2.90; 9.80
 7.50; 1.90; 9.40
 9.95; 4.80; 14.75
 24; 16.50; 40.50

5. 3.3 m
6. \$10.60

Exercise 15 (p. 65–66)

1. (a) 0.4 (b) 0.3 (c) 0.3
(d) 0.4 (e) 0.4 (f) 0.6
(g) \$0.70 (h) \$0.60
2. (a) 0.06 (b) 0.05 (c) 0.04
(d) 0.06 (e) 0.06 (f) 0.06
(g) \$0.09 (h) \$0.05

Exercise 16 (p. 67)

1. (a) 0.24 (b) 0.21 (c) 0.13
(d) 0.19 (e) 0.28 (f) 0.19
(g) 0.13 (h) 0.12

Exercise 17 (p. 68–70)

1. (a) 4.13 (b) 3.22 (c) 1.47
(d) 2.68 (e) 22.75 (f) 5.27
(g) 20.14 (h) 7.05
2. (a) \$1.05 (b) \$1.15 (c) \$1.45
(d) \$1.35 (e) \$1.15 (f) \$1.09
(g) \$2.55 (h) \$1.75
3. (a) 4.85 (b) 15.15 (c) 11.75
(d) 9.72 (e) 37.5 (f) 3.25
(g) 0.25 (h) 29.35

Exercise 18 (p. 71–72)

1. (a) 1.4 (b) 0.75 (c) 0.25
(d) 0.95 (e) 1.24 (f) 1.25
(g) 8.25 (h) 5.85
2. (a) \$0.95 (b) \$0.85
(c) \$0.35 (d) \$1.05

Exercise 19 (p. 73)

1. 5, 4.6
20, 20.3
7, 7.6
6, 6.0
5, 5.5
3, 3.2
9, 9.3
2, 2.2
9

Exercise 20 (p. 74–76)

1. 0.37 m
2. \$6.80
3. \$5.65

4. \$3.90
5. \$6.25
6. 0.3 lb
7. 6.5 l

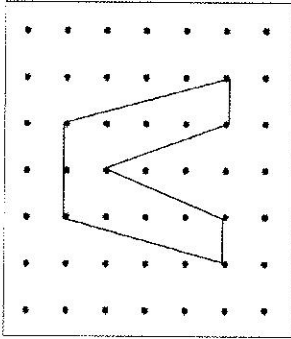
Review 7 (p. 77–82)

1. 98,510
2. 100; 1000; 10,000; 100,000; 1,000,000
3. 0.6
4. 9
5. (a) 48,230 (b) 70.54
6. DA
7. \$4
8. $\frac{11}{20}$
9. (a) 5.25 (b) 16.8
10. (a) $\frac{17}{20}$ (b) $2\frac{2}{5}$
11. 5
12. (a) 495 (b) 30
13. 6.3
14. \$35
15. (a) 1.3 (b) 1 (c) 0.1
(d) 0.3 (e) 0.92 (f) 1.6
(g) 0.08
16. (a) 17.7 (b) 76.8
17. (a) 6.05 (b) 3.7
(c) 0.61 (d) 6.7
18. (a) > (b) = (c) >
19. (a) $12 - (3 \times 2) + 9 = 15$
(b) $(12 - 3) \times (2 + 9) = 99$
20. (a) 113.3 (b) 3.16 (c) 6.21
(d) 239.26 (e) 3.69
21. 9
22. 10:15 a.m.
23. 3 km 110 m
24. $\frac{3}{10}$
25. $\frac{2}{5}$
26. $1\frac{3}{4}$ lb
27. \$9
28. 26.6 cm
29. 31.8 cm
30. \$1180
31. 5 yd
32. 134°
33. (a) CD // IJ (b) GH \perp PQ
34. 16 in.
35. 14

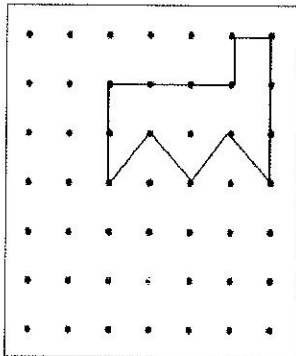
Unit 8

Exercise 1 (p. 83–85)

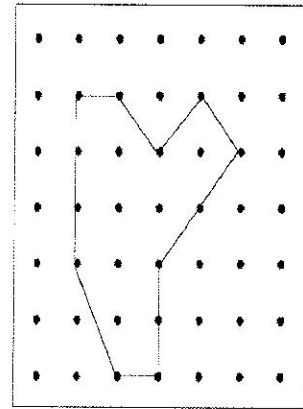
1. D and E
A and G
B and C
2. (a) *(suggested answer)*



(b) *(suggested answer)*



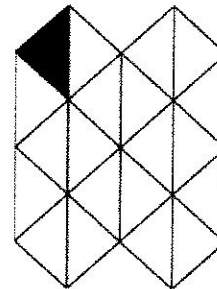
(c) *(suggested answer)*



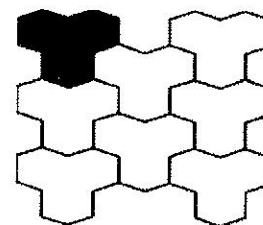
3. (a) F (b) GH (c) CD
(d) B (e) IJ

Exercise 2 (p. 86–88)

1. (b) *(suggested answer)*

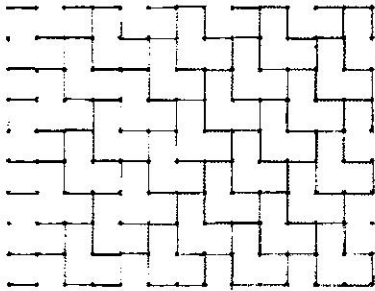


(c) *(suggested answer)*

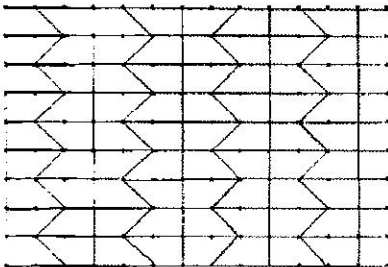


Exercise 4 (p. 91–94)

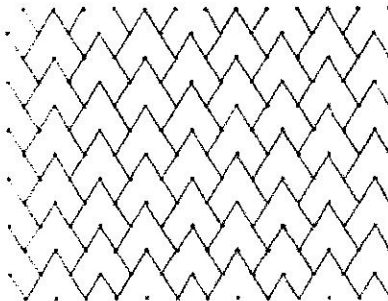
(a)



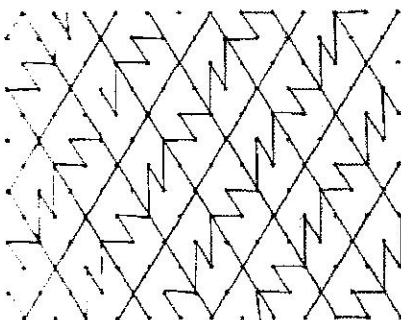
(b)



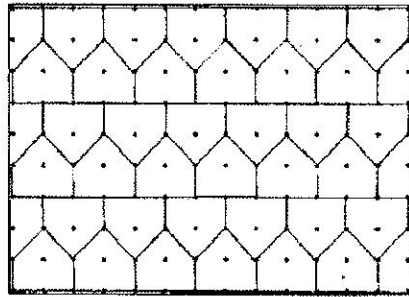
(c)



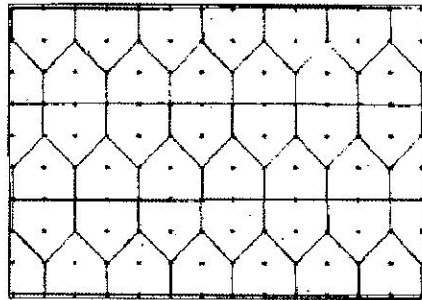
(d)



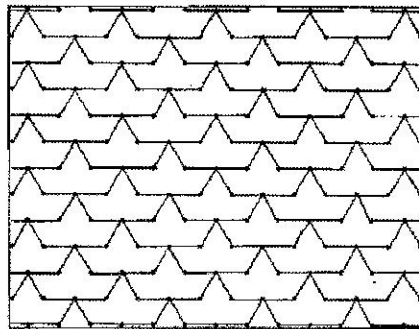
2.(a) *(suggested answer)*



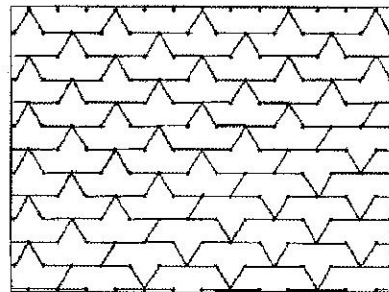
(b) *(suggested answer)*



3. (a) *(suggested answer)*

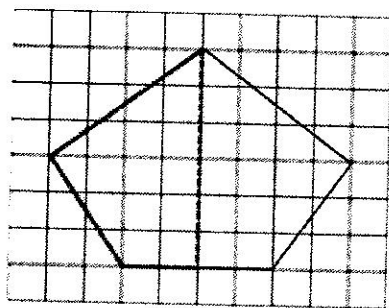


(b) *(suggested answer)*

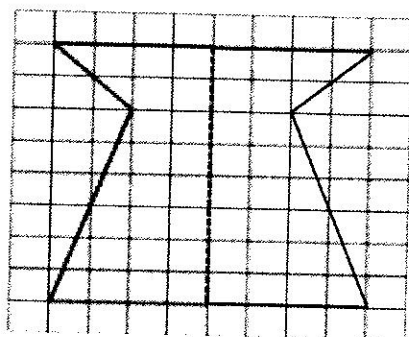


Exercise 5 (p. 95-96)

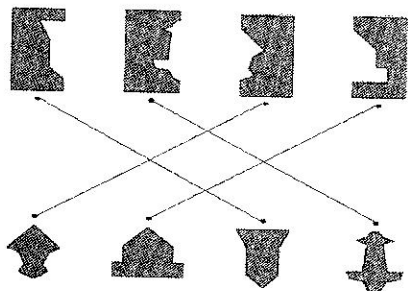
1. (a)



(b)

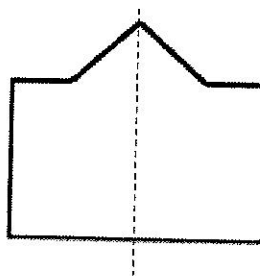


2.



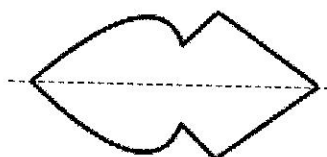
Exercise 6 (p. 97-98)

1. (a)

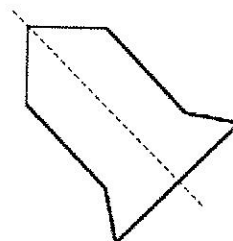


(b) The figure is not symmetrical.

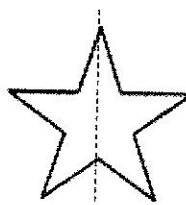
(c)



(d)

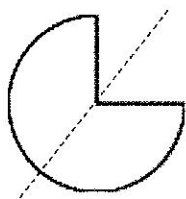


(e)

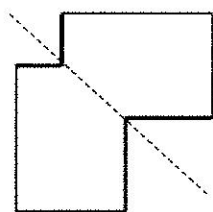


(f) The figure is not symmetrical.

(g)



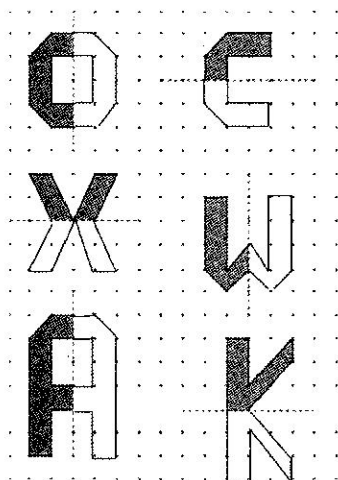
(h)



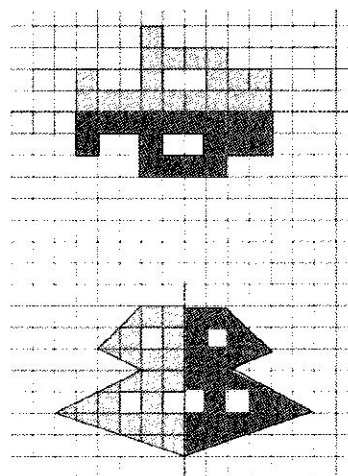
2. (a) Yes (b) No (c) Yes
 (d) Yes (e) No (f) No
 (g) No (h) Yes

Exercise 7 (p. 99–100)

1.



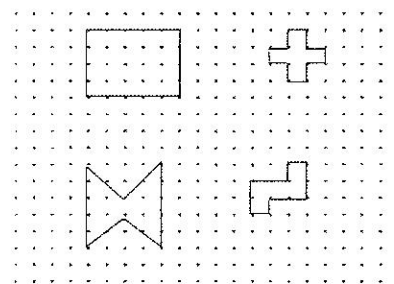
2.



Exercise 8 (p. 101)

1. Windmill – Rotational symmetry
 Butterfly – Line symmetry
 Star – Line and rotational symmetry
 Bottle – Line symmetry
 Hexagon – Line and rotational symmetry

2.

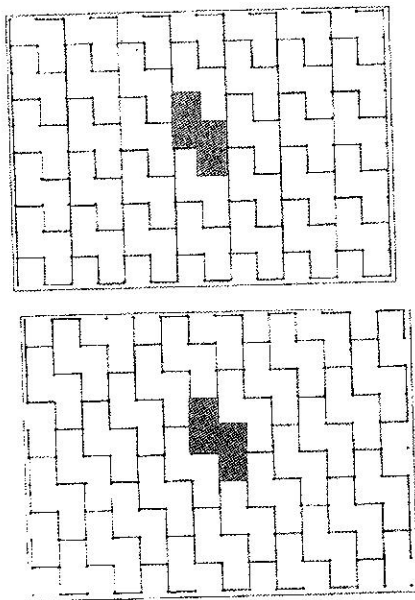


Review 8 (p. 102–106)

1. (a) 10,590, 10,050, 9950, 9590, 9190
 (b) 8.3, 7.28, 2.83, 2.05
 (c) 62, 21, -20, -34, -42
2. (a) 57.76 (b) 4.43
 (c) 20.15 (d) 282
3. (a) $24 + 6 + 2 + 3 = 5$
 (b) $24 \div (6 + 2) + 3 = 5$
4. (a) 51.2 (b) 44
5. $\frac{13}{5}$
6. $4\frac{3}{4}$
7. $4\frac{6}{25}$
8. 6.8

9. 26.08
10. A = 5.78, B = 5.84, C = 5.87
11. (a) 26.37 (b) 34.05
(c) 2.14 (d) 246.6
12. 9 h 35 min
13. 1.24 m
14. 480
15. $\frac{3}{4}$
16. $\frac{1}{3}$
17. $3\frac{2}{5}$ gal
18. 15
19. (a) 33° (b) 44°
20. \$6.00
21. Square - Line and rotational symmetry
 Rectangle - Line and rotational symmetry
 Parallelogram - Rotational symmetry
 Rhombus - Line and rotational symmetry
 Trapezoid - No symmetry
 Equilateral triangle - Line and rotational symmetry
 Isosceles triangle - Line symmetry
 Scalene triangle - No symmetry

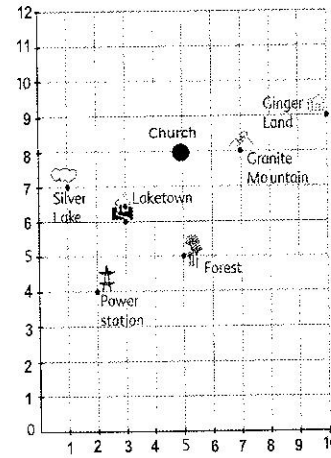
22.



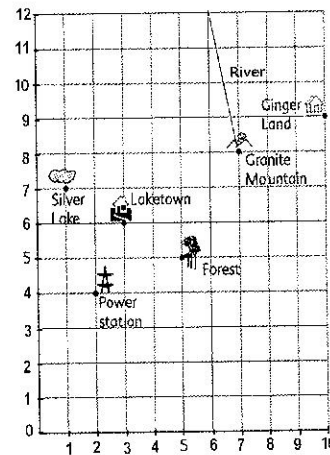
Unit 9

Exercise 1 (p. 107–108)

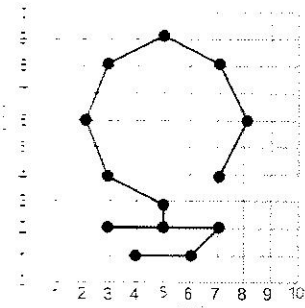
1. (a) (3, 6)
- (b) Granite Mountain - (7, 8)
 Silver Lake - (1, 7)
 Forest - (5, 5)
 Power Station - (2, 4)
- (c)



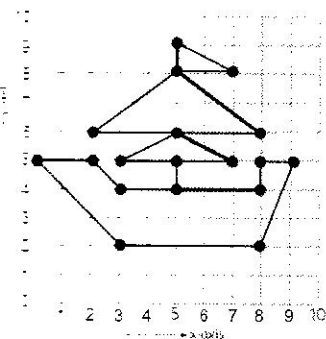
(d)



11



12



Exercise 2 (p. 109–110)

- 1. (a) (i) 5 (ii) 2 (iii) 9
- (b) 1st (c) 6 units
- 2. 28 units
- 3. 26 units
- 4. (12, 17)
- 5. (a) (3, 12) (b) (9, 12) (c) (9, 6)

Exercise 3 (p. 111–112)

Number of steps	1	2	3	4	5	6	n
Perimeter (cm)	4	8	12	16	20	24	4 × n

- (b) $P = 4 \times n$
- (c) 80 cm
- 2. (a)

Perimeter (m)	P	18	18	18	18	18	18	18	18
Width (m)	w	1	2	3	4	5	6	7	8
Length (m)	l	8	7	6	5	4	3	2	1
Area (m ²)	A	8	14	18	20	20	18	14	8

- (b) 20 m² (c) 9 m
- (d) $l = 9 - w$
- 3.

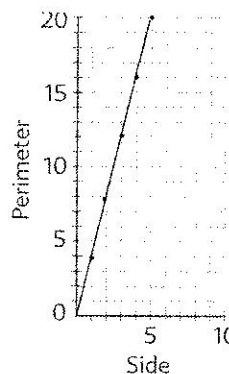
m	1	2	3	4	5		24
n	0.01	0.02	0.03	0.04	0.05		0.24

Exercise 4 (p. 113–114)

- 1. (a)

s	1	2	3	4
p	4	8	12	16

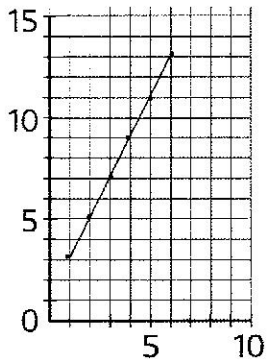
- (b) $4 \times s$
- (c)



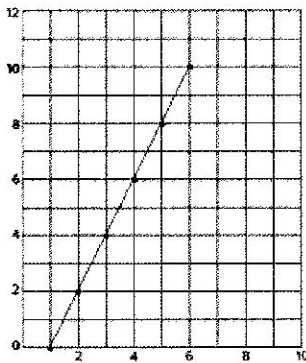
- 2. (a)

x	1	2	3	4	5	6
y	3	5	7	9	11	13

(b)



3. (a)

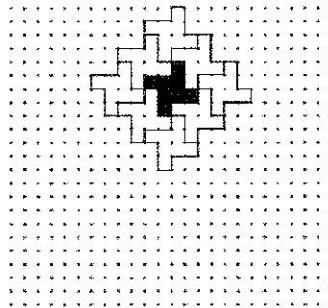


(b) (5, 8); (6, 10); (1, 0)

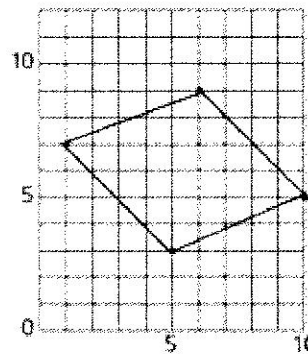
Review 9 (p. 115–120)

- 80,000
- 6
- (a) 10,000 (b) 1000 (c) 5
- A = -16, B = -4, C = 8
- (a) 19 (b) 13
(c) 18 (d) 15
- (a) 4.54, 5.04, 20.5, 25.4
(b) 3.515, 5.013, 10.513, 13.015
- 12.65
- 1400 km
- (a) 0.5 (b) 3.72 (c) 0.5
- 13
- $P = 3\frac{1}{4}$, $Q = 3\frac{5}{8}$, $R = 4\frac{1}{8}$
- $\frac{2}{5}$
- $1\frac{4}{5}$, $1\frac{1}{8}$, $\frac{5}{6}$, $\frac{3}{4}$
- $\frac{1}{5}$

- 349
- 336
- 1200
- \$16.50
- 3.48 km
- $\frac{1}{5}$
- 16 qt
- 10:50 a.m.
- 2 h 45 min
- \$8.10
-



- Yes
- (a)

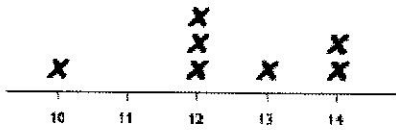


- (b) Parallelogram
- (a) (5, 1), (5, 9), (1, 5), (9, 5)
(b) 8
- 26
- \$1832
- 0.47 lb

Unit 10**Exercise 1 (p. 121–123)**

- (a) 9, 9, 9, 9, 10, 10, 10, 11, 11, 12
(b) 8 (c) 12
(d) $12 - 8 = 4$
(e) 9

2.



- (a) 10 (b) 14 (c) 12
 3. (a) 15 (b) 5 (c) 0
 (d) $5 - 0 = 5$
 (e) 1
 4. (a) 138, 143, 145, 149, 150, 152
 (b) 147 cm

Exercise 2 (p. 124)

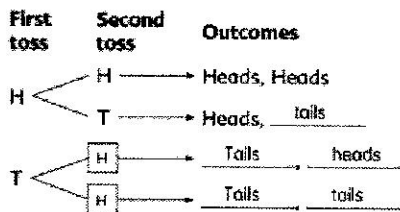
1. (a) blue (b) black (c) blue
 2. (a) cars (b) 21
 (c) motorcycle
 (d) 15 (e) 18

Exercise 3 (p. 125–126)

1. (a) 5 (b) $\frac{5}{20} = \frac{1}{4}$
 (c) 4; 20 (d) $\frac{4}{20} = \frac{1}{5}$
 (e) 7; 20 (f) $\frac{7}{20}$
 (g) 4; 20 (h) $\frac{4}{20} = \frac{1}{5}$
 2. (a) 24 (b) 4; 24 (c) $\frac{1}{6}$
 (d) 5; 24 (e) $\frac{5}{24}$ (f) 3; 24
 (g) $\frac{1}{8}$ (h) $\frac{1}{3}$

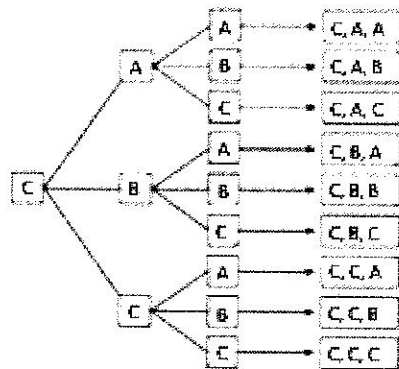
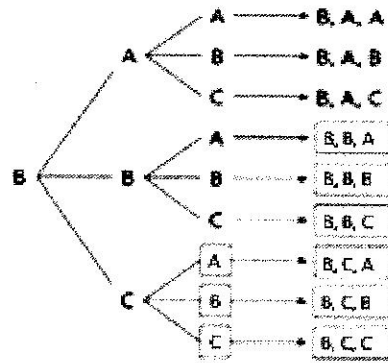
Exercise 4 (p. 127–128)

1.



There are 4 possible outcomes.

2.



Exercise 5 (p. 129–130)

1. (a) January (b) June (c) 18
 (d) 11 (e) 78
 2. (a) Charity A - \$18,000
 Charity B - \$15,000
 (b) Sunday (c) \$16,000
 (d) $\frac{17}{104}$

Exercise 6 (p. 131–134)

1. (a) 200 (b) 2001 to 2002
 (c) 700 (d) 3400
 2. (a) Wednesday
 (b) 375 (c) Saturday
 (d) 75
 (e) Tuesday to Wednesday
 3. (a) 3 cm (b) 4 cm
 (c) Tuesday to Wednesday
 (d) Thursday to Friday; 4 cm
 (e) 4 days
 4. (a) 7 a.m. (b) 130
 (c) 8 a.m. to 9 a.m.
 (d) 7 a.m. to 8 a.m.
 (e) 9 a.m. to 10 a.m.

Exercise 7 (p. 135–136)

1. (a)

Singapore dollars	1	2	3	4	5
Hong Kong dollars	4	8	12	16	20

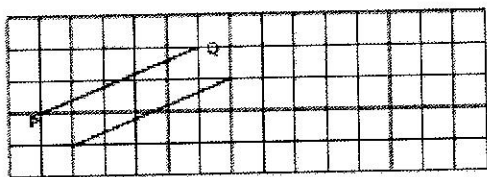
- (b) 2.50 (c) 18
 (d) $s = 4 \times h$
 (e) \$25
2. (a) 3 min (b) 4.5 min (c) 40 £
 (d) 70 £
 (e) (i)

Time (min)	1	2	3	4	5
Volume of water (l)	20	40	60	80	100

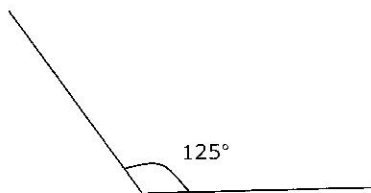
(ii) $V = 20 \times t$

Review 10 (p. 137–143)

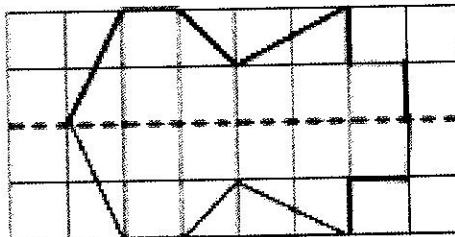
1. (a) 79,031 (b) 55,100
 (c) 23.29 (d) 18.21
2. (a) 1 (b) 9
3. (a) \$35,500 (b) 8 m (c) 17 yd
4. (a) $\frac{2}{3}$; 1 (b) 3.15; 3.35
 (c) 4; 0; -4; -8
5. 3.05
6. 0.4
7. $\frac{4}{5}$
8. \$2
- 9.



10. (suggested answer)

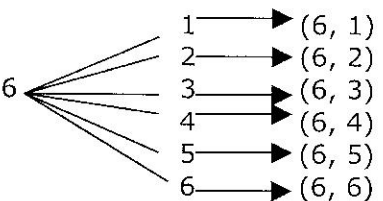
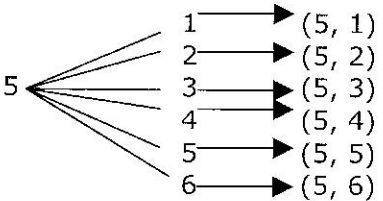
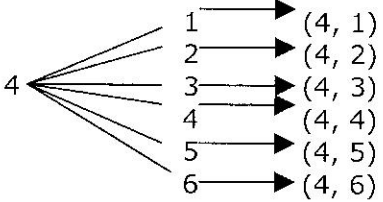
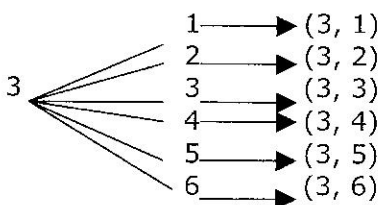
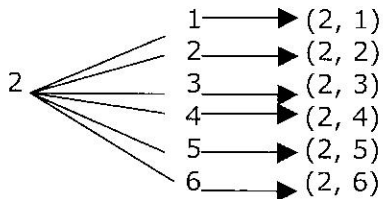
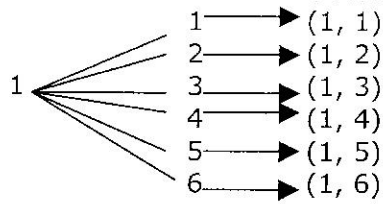


11.



- No.
12. 6
13. 3
14. $\frac{5}{7}$
15. $2\frac{2}{5}$
16. (a) 6.66 (b) 0.27
 (c) 24 (d) 0.55
17. 9
18. 4.3
19. \$2250
20. \$64.85
21. (a) 16 (b) $\frac{1}{4}$ (c) $\frac{1}{8}$
 (d) $\frac{1}{2}$ (e) $\frac{3}{8}$

22. (a) First roll Second roll Outcomes



- (b) 36
 23. (a) (8, 3) (b) AB // CD; BC // AD
 (c) 6 units (d) 9 - 3
 24. \$92.80
 25. 30 cm
 26. 0.72 ft
 27. \$21

Unit 11

Exercise 1 (p. 144–145)

- (a) 2500 (b) 120 (c) 8
 (d) 3000 (e) 80 (f) 4000
 (g) 6000 (h) 264
- (a) 66 (b) 6020 (c) 8100
 (d) 63 (e) 127 (f) 4500
 (g) 155 (h) 3
- (a) 2, 6 (b) 1, 1 (c) 1, 10
 (d) 1, 14 (e) 11, 0
- (a) 10, 5 (b) 1, 410 (c) 9, 11
 (d) 7, 1 (e) 17, 0

Exercise 2 (p. 146–147)

- (a) 12, 80 (b) 255, 2, 55
 (c) 6, 255, 8, 55
- (a) 10, 750 (b) 1600, 1, 600
 (c) 12, 1600, 13, 600
- (a) 24, 8 (b) 54, 4, 6
 (c) 60, 54, 64, 6
- 4 l 500 ml
- 6 h 40 min
- 76 lb 8 oz

Exercise 3 (p. 148–149)

- (a) 2, 125 (b) 400 (c) 1, 400
- (a) 2, 15 (b) 20 (c) 1, 20
- 12 oz
- (a) 1 m 50 cm
 (b) 3 m
- 1 kg 250 g

Exercise 4 (p. 150)

- (a) 6 (b) 6 (c) 18
 (d) 16 (e) 6 (f) 9

Exercise 5 (p. 151–152)

1.

Solid	Length	Width	Height	Volume
A	3 in.	3 in.	3 in.	27 in. ³
B	2 in.	2 in.	2 in.	8 in. ³
C	5 in.	2 in.	4 in.	40 in. ³
D	3 in.	2 in.	7 in.	42 in. ³
E	7 in.	3 in.	2 in.	42 in. ³

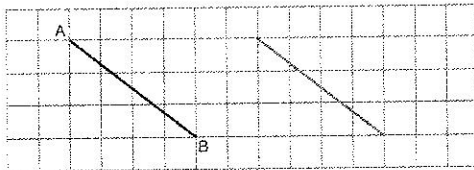
- 18 cm³; 200 cm³; 126 cm³; 192 cm³; 240 cm³

Exercise 6 (p. 153–154)

1. (a) 300 (b) 800
2. (a) 400 (b) 120
3. (a) 4 (b) 4.5
4. 1 ℓ 200 mℓ; 3 ℓ 600 mℓ; 1 ℓ 200 mℓ;
3 ℓ 600 mℓ; 2 ℓ 160 mℓ; 1 ℓ 440 mℓ

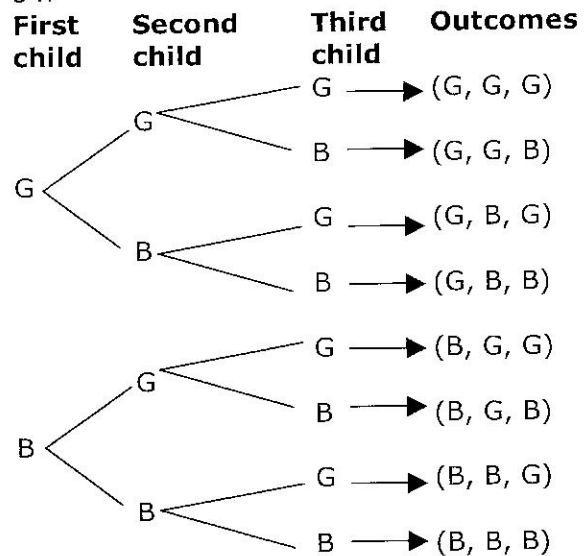
Review 11 (p. 155–163)

1. 2 km, 20 m, 253 cm, 2 m 35 cm
2. (a) 1000 (b) 0.1
3. 40.6
4. (a) 6 (b) 0
5. (a) 2, 4, 5, 10
(b) 2, 4 (c) 2, 3, 5, 7
6. 13,600
7. 147.3 lb
8. 4.32
9. $\frac{3}{8}$
10. 1.5
11. (a) 2634 (b) 5107 (c) 184
(d) 4, 20 (e) 4, 7 (f) 5, 80
(g) 3, 20 (h) 6, 12
12. 1 ℓ 500 mℓ
13. 2 kg 560 g
14. 3 ft 1 in.
15. 1 lb 4 oz
16. 1 kg 585 g
- 17.

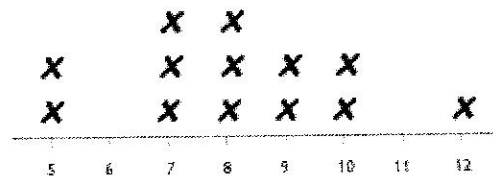


18. (a) 1, 540 (b) 3650
19. 400 mℓ
20. 22.92 m
21. 1.3 ft
22. \$12
23. $\frac{2}{3}$
24. \$336
25. 650 yd
26. 9 cm³
27. 360 m³
28. 132 cm
29. s15
30. 4.3 gal

31. 50 in.²
32. \$7.60
33. 467
- 34.

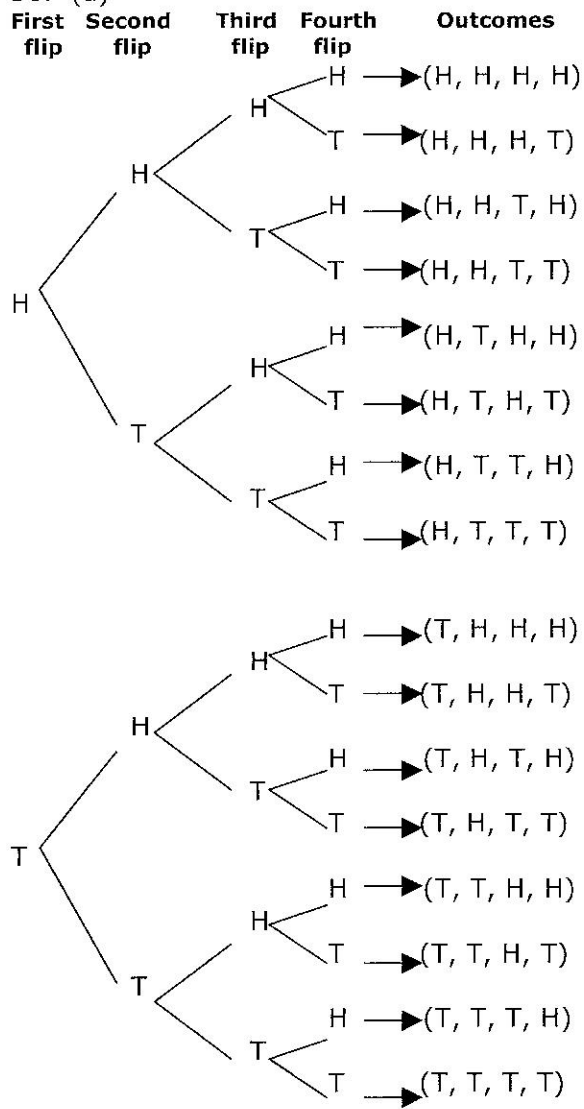


35. (a)



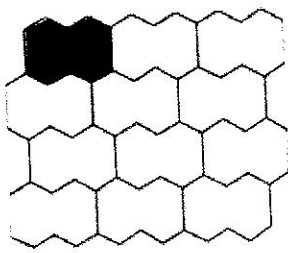
- (b) 5 h (c) 12 h
- (d) 8 h (d) 7 h and 8 h

36. (a)

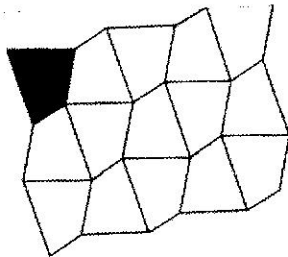


(b) 16

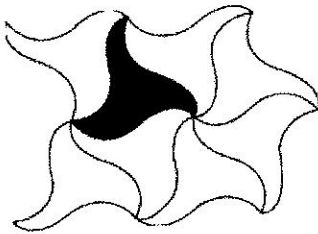
(d) (suggested answer)



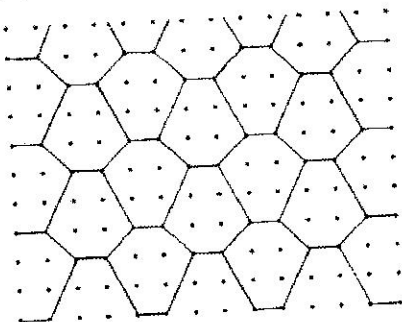
(e) (suggested answer)



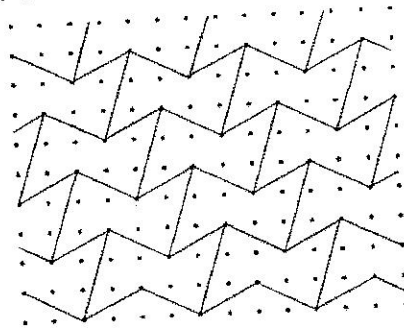
(f) (suggested answer)



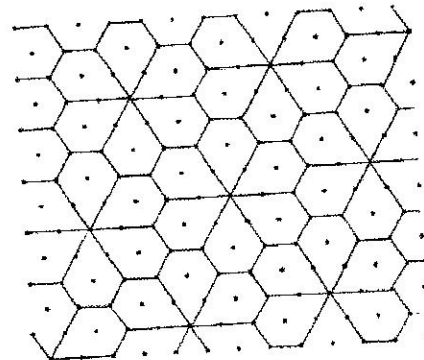
2. (a)



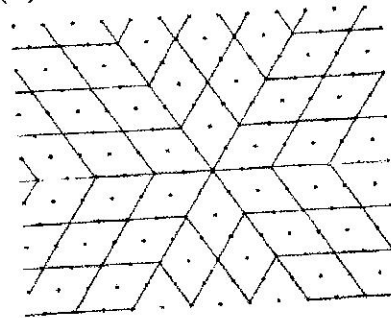
(b)



(c)



(d)



Exercise 3 (p. 89-90)

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