

Page 47 (continued)

2. (a) 99, 100, 101, 102 (i) 10, 7, 4, 1
 (b) 1 900, 1 898, 1 896, 1 894 (j) 5 518, 5 507, 5 496, 5 485
 (c) 63, 72, 81, 90 (k) 2 198, 2 206, 2 214, 2 222
 (d) 27, 34, 41, 48 (l) 561, 552, 543, 534
 (e) 307, 301, 295, 289 (m) 7 000, 6 993, 6 986, 6 979
 (f) 4 832, 4 932, 5 032, 5 132 (n) 479, 491, 503, 515
 (g) 167, 172, 177, 182 (o) 42, 28, 14, 0
 (h) 951, 943, 935, 927

Page 49

1. (a) 297 (b) 6 445 (c) 425 (d) 5 757 (e) 4 284 (f) 3 669 (g) 8 888
 (h) 1 066 (i) 9 345 (j) 3 730
2. (a) 976 (b) 3 973 (c) 4 762 (d) 4 762 (e) 6 635 (f) 1 107 (g) 1 194
 (h) 7 007 (i) 3 850 (j) 5 348 (k) 8 181 (l) 666 (m) 4 841 (n) 7 722
 (o) 10 000

Page 51

1. (a) 180 (b) 1 715 (c) 6 666 (d) 218 (e) 122 (f) 3 109 (g) 71
 (h) 1 775 (i) 577 (j) 89 (k) 1 025 (l) 525 (m) 63 (n) 749 (o) 104

Page 53

1. (a) 6 583 (b) 25 314 (c) 13 920 (d) 33 591 (e) 76 000 (f) 89 202
 (g) 51 865 (h) 19 004 (i) 60 532 (j) 48 100
2. (a) 654 720 (b) 444 000 (c) 1 234 567 (d) 6 000 000 (e) 301 089
 (f) 2 840 350 (g) 7 301 479 (h) 99 009 (i) 4 060 052
 (j) 25 711 800

Page 55

1. (a) 4 cm (b) 6 cm (c) 7 cm (d) 9 cm (e) 3 cm (f) 5 cm (g) 1 cm
 (h) 10 cm (i) 11 cm (j) 6 cm (k) 7 cm (l) 2 cm (m) 4 cm (n) 12 cm
 (o) 8 cm

Page 57

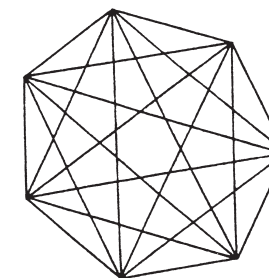
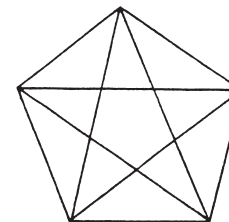
1. (a) Obtuse. More than 90° (f) Right. 90°
 (b) Right. 90° (g) Obtuse. More than 90°
 (c) Acute. Less than 90° (h) Acute. Less than 90°
 (d) Obtuse. More than 90° (i) Acute. Less than 90°
 (e) Acute. Less than 90° (j) Right. 90°

Page 59

1. (a) Octagon (f) Quadrilateral (k) Octagon
 (b) Circle (g) Ellipse (l) Circle
 (c) Triangle (h) Hexagon (m) Triangle
 (d) Pentagon (i) Pentagon (n) Heptagon
 (e) Decagon (j) Quadrilateral (o) Nonagon

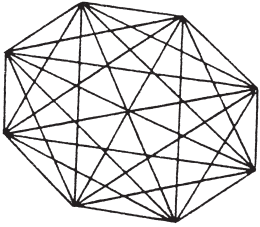
Page 61

1. (a) 5 diagonals (b) 14 diagonals

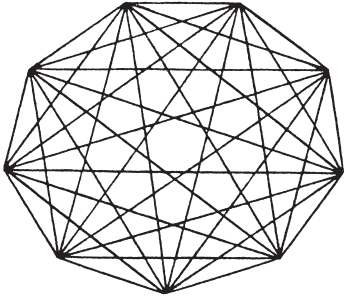


Page 61 (continued)

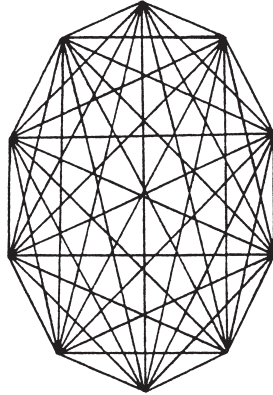
(c) 20 diagonals



(d) 27 diagonals



(e) 35 diagonals



Page 63

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|-------------------------|--------------------------|
| 1. (a) Regular pentagon | (f) Hexagon |
| (b) Triangle | (g) Regular octagon |
| (c) Regular nonagon | (h) Quadrilateral |
| (d) Regular heptagon | (i) Equilateral triangle |
| (e) Square | (j) Decagon |

Page 65

- | | |
|---------------------------|----------------------------|
| 1. (a) Heptagon, 17 cm | (f) Quadrilateral, 14 cm |
| (b) Triangle, 18 cm | (g) Quadrilateral, 20 cm |
| (c) Pentagon, 13 cm | (h) Regular hexagon, 18 cm |
| (d) Pentagon, 9 cm | (i) Square, 12 cm |
| (e) Regular octagon, 8 cm | (j) Triangle, 17 cm |

Page 67

- (a) Pyramid. Triangle (Triangular pyramid)

(b) Prism. Square (Square prism)

(c) Prism. Circle or ellipse (Circular prism or elliptical prism)

(d) Prism. Hexagon (Hexagonal prism)

(e) Pyramid. Hexagon (Hexagonal pyramid)
- (a) 5 faces, 5 corners, 8 edges

(b) 5 faces, 6 corners, 9 edges

(c) 7 faces, 10 corners, 15 edges

(d) 8 faces, 12 corners, 18 edges

(e) 8 faces, 8 corners, 14 edges

Page 68

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|-----------------|---------------------------------|
| (1) 1050 | (6) 572 |
| (2) 36 | (7) Equilateral triangle, 12 cm |
| (3) 8 cm | (8) 87 |
| (4) 527 | (9) 24 |
| (5) 94, 98, 102 | |

Page 69

- | | |
|------------------------------------|----------------------|
| (10) 400 | (15) 60, 62, 64 |
| (11) 433 | (16) 3 333 |
| (12) 604 | (17) 49 |
| (13) A, right; B, obtuse; C, acute | (18) Regular nonagon |
| (14) 485 pounds (£485) | |

Page 70

- 1585
- 993
- Triangular prism
- 104, 98, 92
- 111
- 327