

B

- 1 (a) 48 cm², 80 cm² (b) 24 cm², 40 cm² 2 1710 cm²
 3 130 m 4 £432 5 384

C

- 1 31.5 cm², 56 cm² 2 30 cm by 20 cm by 15 cm
 3 (a) 92 m² (b) 300 m² (c) 96 m (d) 480

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A

- 1 120° 2 70° 3 145° 4 85° 5 260° 6 120°
 7 285° 8 45° 9 60° 10 30° 11 55° 12 75°
 13 45° 14 90° 15 135° 16 225° 17 270° 18 180°
 19 315° 20 135°

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B

- 1 104° 2 34° 3 131° 4 56° 5 234° 6 261°
 7 142° 8 196° 9 79° 10 42° 11 65° 12 68°
 13 90° 14 30° 15 120° 16 330° 17 60° 18 270°
 19 150° 20 300°

C

- 1 27° 2 87° 3 59° 4 36° 5 79°
 6 58° 7 104° 8 72° 9 56° 10 (j) 75°
 (k) 51° 11 (l) 56° (m) 55° 12 (n) 66° (o) 48°
 13 90° 14 60° 15 6° 16 36° 17 270°
 18 120° 19 348° 20 30°

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A

- 1 D 105° E 85° F 95° G 75°
 2 (a) 60° (b) 90 (c) 120°

B

1	Shape	Side	Internal Angle	Sum of Angles
	equilateral triangle	3	60°	180°
	square	4	90°	360°
	regular pentagon	5	108°	540°
	regular hexagon	6	120°	720°
	regular heptagon	7	128.71°	900°
	regular octagon	8	135°	1080°
2 (a)	140°	(b)	144°	

C

- 1 (a) 114° (b) 81° (c) 44° (d) 55°

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A

- 1 $5\frac{3}{10}$ 2 30° 3 20 4 18 5 $7\frac{1}{4}$
 6 6 7 $\frac{7}{8}$ 8 2.8 9 2.4 10 0.4
 11 27 12 3 13 $3\frac{1}{2}$ 14 0.09 15 6.1

B

- 1 0.43 2 13.6 3 0.25 4 £2.40 5 0.45
 6 $1\frac{1}{4}$ 7 0.32 8 25 9 4.6 10 2.04
 11 £5.50 12 54 13 1.15 14 72° 15 £9.90

C

- 1 84 2 1.85 3 6.26 4 22.5° 5 0.481

- 6 $1\frac{3}{10}$ 7 30 8 1.872 9 £15 10 0.14
 11 £2323 12 0.36 13 0.025 14 2.33 15 72

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A

- 1 832 2 937 3 1556 4 2581 5 2446
 6 251 7 118 8 91 9 128 10 287
 11 55.0 12 10.61 13 154.0 14 18.35 15 145.03
 16 4.69 17 0.71 18 38.9 19 0.52 20 5.55

B

- 1 6233 2 5227 3 7352 4 8435 5 8473
 6 1779 7 2637 8 1741 9 387 10 3575
 11 90.7 12 8.625 13 70.33 14 76.725 15 18.229
 16 17.79 17 26.45 18 4.598 19 35.82 20 3.87

C

- 1 5443 2 20 235 3 38 881 4 12 724 5 13 633
 6 1837 7 779 8 9777 9 6769 10 16 765
 11 57.444 12 51.8 13 907.26 14 31.8 15 64.482
 16 6.505 17 345.339 18 7.644 19 59.91 20 6.543

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A

- 1 1945 2 4781 3 1127 4 1904

B

- 1 2904 2 2304 3 6822 4 3136 5 2850
 6 1883 7 570 8 1248 9 3071 10 1943
 11 2478 12 2516 13 2608 14 9525 15 4644
 16 18 447 17 9716 18 14048

C

- 1 16 578 2 15 516 3 24 561 4 13 448 5 18 725
 6 14 487 7 26 908 8 130 095 9 39 476 10 108 288
 11 65 184 12 67 056 13 58 328 14 £117 150

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A

- 1 43 2 24 r 3 3 83 r 2 4 26 r 1 5 42 r 5
 6 38 r 2 7 25 r 6 8 61 r 4 9 45 r 3 10 48 r 1
 11 54 r 3 12 26 13 54 r 5 14 95 15 28 r 5
 16 83

B

- 1 15 r 7 2 21 r 9 3 25 r 2 4 16 r 14 5 24 r 12
 6 22 r 5 7 45 r 1 8 17 r 28 9 12 r 22 10 22 r 2
 11 35 r 11 12 16 r 26 13 26 r 9 14 21 r 11 15 24 r 6
 16 30 r 9 17 14 18 18

C

- 1 21 r 7 2 37 r 12 3 56 4 41 r 16 5 34 r 7
 6 51 r 14 7 22 r 2 8 41 9 33 r 2 10 26 r 20
 11 26 r 20 12 56 r 2 13 47 14 36 kg 15 £378
 16 23

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A

- 1 $\frac{2}{3}, \frac{4}{6}$ 2 $\frac{2}{8}, \frac{4}{16}$ 3 $\frac{7}{10}, \frac{70}{100}$ 4 $\frac{1}{2}, \frac{6}{12}$ 5 $\frac{2}{5}, \frac{4}{10}$ 6 $\frac{1}{4}, \frac{5}{20}$

B

- 1 $\frac{4}{12}, \frac{5}{15}, \frac{6}{18}, \frac{7}{21}, \frac{8}{24}$ 2 $\frac{12}{16}, \frac{15}{20}, \frac{18}{24}, \frac{21}{28}, \frac{24}{32}$ 3 $\frac{28}{40}, \frac{35}{50}, \frac{42}{60}, \frac{49}{70}, \frac{56}{80}$