MATHS CORRECTIONS - 6th Class

TOPIC A – The Circle

You were asked to draw circles with radius of 1cm, 3cm and 5cm and circles with diameter of 1cm 3cm and 5cm. Then you were asked to try calculating the circumference and the area. Check this table for the answers:

Radius	Diameter	Pi	Circumference $2\pi R$	Area πR^2
1cm	2cm	3.14	6.28 cm	3.14 cm^2
3cm	6cm	3.14	18.84 cm	28.26 cm^2
5cm	10cm	3.14	31.4 cm	78.5 cm^2
0.5cm	1cm	3.14	3.14 cm	0.785 cm^2
1.5cm	3cm	3.14	9.42 cm	7.065 cm^2
2.5cm	5cm	3.14	15.7 cm	19.625 cm^2

TOPIC B – Problem Solving

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1 (a)	1 (b) Expanded form	1 (b) In words	1 (c)
10 10 1 100 1,000 10,000	700 + 10 + 8 3,000+200+10+5 20,000+9,000+800+20+1 300,000+80,000+2,000+700+10+4 400,000+70,000+9,000+100+20+2 80,000+1,000+700+90+7 10,000+7,000+500+80+4	Seven hundred and eighteen Three thousand two hundred and fifteen Twenty nine thousand eight hundred and twenty one Three hundred and eighty two thousand seven hundred and fourteen Four hundred and seventy nine thousand one hundred and twenty two Eighty one thousand seven hundred and ninety seven Seventeen thousand five hundred and eighty four	718 3,215 17,584 29,821 81,767 382,714 479,122

1 (d) and 1 (e)

Number	Rounded to nearest 10	Rounded to nearest 100	Rounded to nearest 1000
718	720	700	1000
3215	3220	3200	3000
17584	17580	17600	18000
29821	29820	29800	30000
81767	81770	81800	80000
382714	382710	382700	383000
479122	479120	479100	479000

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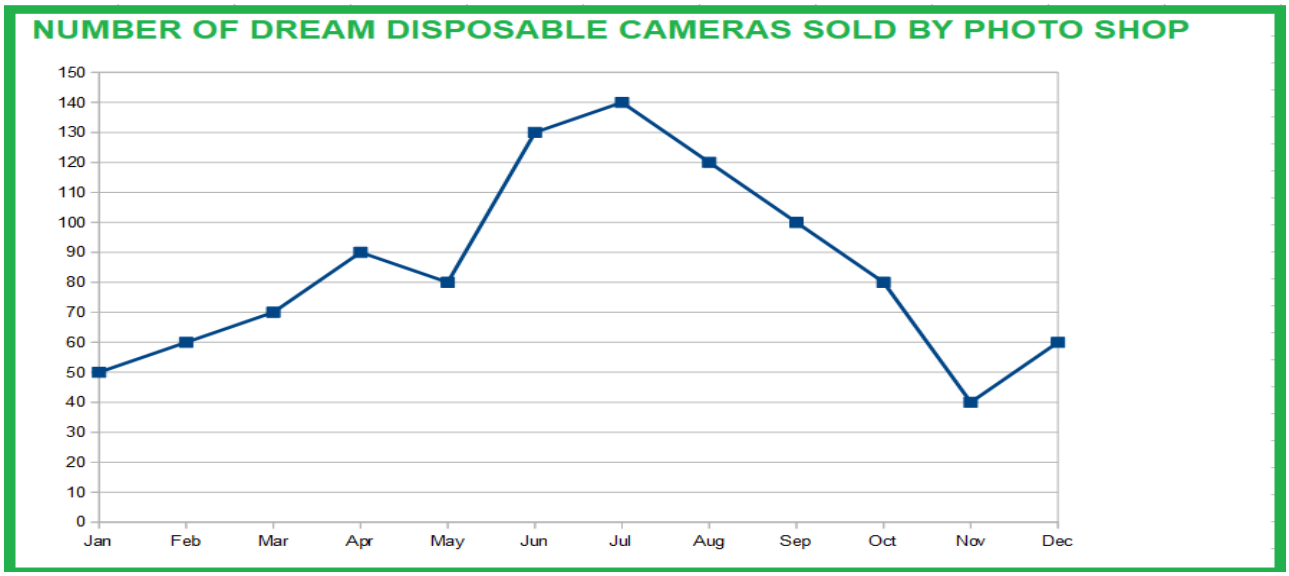
2	3	4
a) 895,590 b) 578,473 c) 415,750 d) 16,866 e) 544,719	a) Rounding table below b) 3 c) 7 d) 25%	a) Trend graph below b) 1,020 c) 85 d) July – possibly because lots of people were on holidays e) November – possibly because there are no major holidays or occasions in November

Number of competitors	47692	181294	484642	249335	24789	8726	684
Competitors rounded to the nearest 1,000	48000	181000	485000	249000	25000	9000	1000
Scores achieved in metres	1	2	3	4	5	6	7



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1	2	3	4
a) 170° 180° 45° 30° b) Obtuse Straight Acute Acute c) Obtuse + reflex Straight+straight Acute + reflex Acute + reflex	a) 618.88kg b) 16.74kg c) 79.06kg	a) 171 b) 18,126 c) 81,514	a) 16 b) 24 c) 14

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5A	5B	5C	5D	5E	5F
i. € 12.14 ii. € 194.24	i. € 13.74 ii. € 329.76	$^{1}/_{3}$	$^{13}/_{30}$	$5\,^{31}/_{40}$ kg	$9\,^{1}/_{2}$ kg

LHR = London Heathrow Airport
JFK = John F Kennedy Airport
CDG = Charles De Gaulle Airport
LAX = Los Angeles Airport

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A1	A2	A3	A4	B	C
a) 16.42 b) 36.27 c) 18.85 d) 17.045	a) 35.722 b) 61.07 c) 39.79 d) 2.0025	a) 28.925 b) 69.112 c) 63.232 d) 21.528	a) 24.408 b) 66.156 c) 45.234 d) 48.195	1: 3,060m 2: ½ 3: 39.37kg 4: 210m 5: 61.275km/hr 6:3,427.71kg	1a: 54.72 1b: 311.32 1c:8,374.2 2a: 0.441 2b:1.2 2c: 16.2222 3a: 6,215.28 3b: 6.3 3c: 72.3

D = 8

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A

1. **Perimeter = 133.4m**
2. **Area = 1,070.62m^2**
3. **Combined distance from centre to each corner flag: 96.4m**
4. **(a) Each player covers 597m**
   (b) The team cover 2,985m
5. **The ref runs 12,217.5m**
6. **The ref covers a distance of 878.13m**

B: Calculator Puzzle

The answer is 6 because 6 squared is 36 and 36 x 6 is 216

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a) Grey
b) Light Pink
c) Light Green
d) Purple
e) Bright Pink
f) Black
g) Dark Green
h) Yellow
i) Blue
j) Purple

Crack the Code = ASTEROIDS AHEAD

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SOS	Planet Hopping 1	Planet Hopping 2
a) Fantoni, XLNT, Hoyt, Z52 b) 6.62 million km c) 4.76 million km^2	a) Lance 76kg b) Lolo 47.5kg c) Neil 83.6kg d) Zelda 57kg e) Captain 79.8kg f) Sally 60.325kg	a) Brad will return at 3.30pm b) Lolo will return at 7.30pm c) Ben will return at 9.20pm d) Captain will return at 12:32am and 30 seconds e) Lance spent 2 hours 32 minutes on W-AR-P

TOPIC C – NUMBER RULES

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A	B	C	D	E
1. 16	1. 16	1a.38	1a.15	1a.42
2. 8	2. 4	1b.31	1b.17	1b.52
3. 11	3. 4	1c.19	1c.20	1c.38
4. 17	4. 36	1d.42	1d.25	1d.74
5. 17	5. 4	2a.6	2a.21	2a.24
6. 23	6. 32	2b.2	2b.21	2b.25
7. 35	7. 40	2c.1	2c.47	2c.58
8. 65	8. 10	2d.10	2d.46	2d.41

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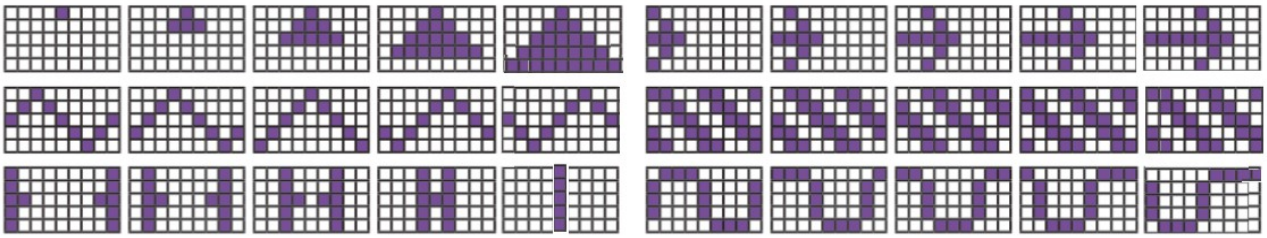
(A)



B1	B2	B3
1) 25	1) 80	1) 17
2) 55	2) 36	2) 18
3) 30	3) 70	3) 19
4) 21	4) 50	4) 20
5) 56	5) 108	
6) 51	6) -20	
7) 44	7) +7	
8) 106		

C	D	E
1) $1/10$ 2) $1/11$ 3) $7/8$ 4) $6/7$	1) 7 2) 8 3) 40 4) 65 5) 60 6) 24	1a.9 1b.25 1c.64 1d.100 1e.144 1f.196 1g.400

CHALLENGE YOURSELF

4 X (5X2 – 3)
Did anyone find another way?