

YEAR : 2021
 LEVEL : PRIMARY 6
 SCHOOL : SCGS
 SUBJECT : MATHEMATICS
 TERM : PRELIMINARY

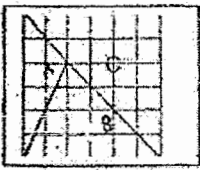



BOOKLET A (PAPER 1)

Q1	4	Q2	2	Q3	3	Q4	3	Q5	1
Q6	2	Q7	4	Q8	4	Q9	4	Q10	2
Q11	2	Q12	1	Q13	4	Q14	1	Q15	1

BOOKLET B (PAPER 1)

Q16	1.86	Q17	$5 \div 8 = 0.625$ $3.625 \approx 3.63$
Q18	100% - \$20 1% - \$0.20 7% - $\$0.20 \times 7 = \1.40 $\$20 + \$1.40 = \$21.40$	Q19	$10 - 5 = 5$ $10 - 5$ $70 - 5 \times 7 = 35$ $35 + 5 = 40$
Q20	$99 \times 99 = 99 (9 \times 11)$ $= h \times 11 = 11h$	Q21	$\$1.50 + \$0.50 = \$2.00$ $\$1.50 \times 3 = \4.50 $\$2.00 \times 3 = \6.00 $\$6.00 + \$4.50 = \$10.50$
Q22	$4 \times 3 = 12$ $3 \times 3 = 9$ $12 \times 3 = 36$ $36 + 9 + 12 + 12 = 69$	Q23	Total no. of pages - $10 \times 7 = 70$ $70 \div 5 = 14$
Q24	$\angle ADC = 180^\circ - 65^\circ = 115^\circ$ $115^\circ - 65^\circ = 50^\circ$	Q25	$12E = 3p$ $1p = 12 \div 3 = 4E$ $12 - 4 = 8$
Q26	$8 \times 4 = 32$ $32 \div 2 = 16 \text{cm}^2$	Q27	$2L \times 3 = 6L$ $6 \div \frac{1}{3} = \frac{6}{1} \times \frac{3}{1} = \frac{48}{1} = 48$
Q28	$90^\circ - 60^\circ = 30^\circ$ Arc - $(\frac{30}{360}) (2 \times \pi \times 60)$ $= \frac{1}{12} \times 2 \times \pi \times 60 = 10\pi$ $10\pi + 10\pi + 60 = 20\pi + 60 \text{cm}$	Q29	$3 \times 1 = 3$ $5 \times 2 = 10$ $8 \times 3 = 24$ $4 \times 4 = 16$ $16 + 24 + 10 + 3 = 53$
Q30	a) False b) True		

PAPER 2

Q1	$\$1.90 \times 10 = \19	Q2	a) Devi b) $49.6 \div 4 = 12.4s$
Q3	a) $3p = 4a + \$1$ $4a = \$y$ $1a = \$(\frac{y}{4})$ b) $4x(y+1) = \$(\hat{a}y+4)$	Q4	$\frac{1}{2} \times 6 \times 6 = 18$ C - 18 units $3u - 18$ A - $1u - 5$ B - $12u$ 
Q5	Area = $5 \times 3 = 15cm^2$	Q6	$33 \times 4 = 132$ $1000 - 132 = 868$ $7u \# 868$ $1u = 868 \div 7 = 124$ $3u = 124 \times 3 = \$372$
Q7	$6u - 240$ $1u - 40$ $11u - 440g$	Q8	$5u - 35$ $1u - 35 \div 5 = 7$ $2u - 7 \times 2 = 14$
Q9	a)  b) 2.9cm	Q10	$510 - 20 = 490$ $490 \div 20\pi \approx 7 \text{ rounds}$ $7 \times 2 = 14$
Q11	a) Top View:  Side View:  b) Top = 6 Front = 5 Side = 5 $(5 + 5 + 6) \times 4 \times 2 = 128$	Q12	a) $\angle XGY = 45^\circ$ b) $360^\circ - 90^\circ - 45^\circ - 125^\circ = 100^\circ$
Q13	a) $120 \times 75 \times 85 = 765000cm^3$ b) $120 \times 75 \times 15 = 135000$ $135000 \div 3 = 45000$ $70 \times 120 \times 75 = 630000$ $45000 \times 5 = 225000$ $630000 - 225000 = 405000$ $405000 \div 5 = 81000 \approx 811/m^3$	Q14	a) $100\% - 22\% = 78\%$ $78\% - \$2340$ $1\% - \$2340 \div 78 = \30 $100\% - \$30 \times 100 = \3000 b) $\$3000 - \$1100 = \$1900$
Q15	$72 - 24 - 24 = 24$ $24 \div 2 = 12$ Area of rec = $12 \times 24 = 288$ $12 \div 1.5 = 8$ $8 - 6 = 2$	Q16	$35 \div 7 = 5$ $53.40 \div 3 = 17.80$ $12.80 \div 3.20 = 4 \text{ units}$ $3 \times 4 = 12$ $\frac{53.40}{12} = 4.45$

	$24 \div 1.5 = 16$ $16 - 8 = 8$ Area of $\frac{1}{4}$ circle = $\pi \times 1.5 \times 1.5 \times \frac{1}{4}$ $= 1.767$ No. of $\frac{1}{4}$ circle = $32 + 2 + 8 + 8 + 2$ $= 52$ Area of all $\frac{1}{4}$ circle = 52×1.767 $= 91.884$ Area of total = $91.884 + 288$ $= 379.884 \approx 379.88 \text{ cm}^2$		
Q17	$1u + 8 + 1u + 16 = 56$ $2u + 24 = 56$ $2u = 32$ $1u = 16$ $1u + 1u + 8$ $16 + 16 + 8$ $= 32$		