

ANSWER KEY

YEAR : 2021
 LEVEL : PRIMARY 5
 SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
 SUBJECT : MATHEMATICS
 TERM : SA2

BOOKLET A (PAPER 1)

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

BOOKLET B (PAPER 1)

Q16	$(12 + 36) \div 8 \times 6$ $= 48 \div 8 \times 6$ $= 6 \times 6$ $= 36$	Q17	$26 \div 4 = \frac{26}{4}$ $= 6\frac{2}{4}$ $= 6\frac{1}{2}$
Q18	$89.06\text{cm} = 89.06\text{m}$	Q19	$\frac{5}{6} - \frac{3}{4} = \frac{10}{12} - \frac{9}{12} = \frac{1}{12}$
Q20	$118^\circ - 13^\circ = 105^\circ$	Q21	(a) $5.7 \div 100 = 0.057$ (b) $0.23 \times 3000 = 0.230 \times 1000 \times 3$ $= 230 \times 3$ $= 690$
Q22	(a) $7 \times 3 = 21$ (b) $3 \times 6 = 18$	Q23	$54 - 9 = 45$ pupils $45 \times 2 = 90$ $90 \div 9 = 10$
Q24	$\frac{1}{2} \times 14 \times 10 = 70$ $\frac{1}{2} \times 10 \times 10 = 50$ $50 + 70 = 120\text{cm}^2$	Q25	$\frac{5}{9} + \frac{1}{12} = \frac{20}{36} + \frac{3}{36} = \frac{23}{36}$ $36\text{U} = \$36$ $1\text{U} = \$1$ $13\text{U} = 13 \times 1 = \13
Q26	$\frac{1}{6} \rightarrow 250\text{g}$ $\frac{1}{3} = \frac{2}{6} \rightarrow 340\text{g}$ $\frac{1}{6} \rightarrow 340 - 250 = 90$ $250 - 90 = 160\text{g}$	Q27	$160 - 25 = 135$ $60\% = \frac{3}{5}$ $5\text{U} = 135$ $1\text{U} = 135 \div 5 = 27$ $2\text{U} = 27 \times 2 = 54$
Q28	$4\text{U} = 24$ $1\text{U} = 24 \div 4 = 6$	Q29	$20\text{ min} \rightarrow 96\ell$ $1\text{ min} \rightarrow 96 \div 20$

	$5U = 6 \times 5 = 30$ $3P = 24$ $1P = 24 \div 3 = 8$ $30 - 8 = 22$		$= 9.6 \div 10 \div 2$ $= 9.6 \div 2$ 4.8 $7 \text{ min} \rightarrow 4.8 \times 7 = 33.6\ell$
Q30	(a) Impossible to tell (b) False (c) False		

PAPER 2

Q1	$1^{\text{st}} \text{ hour} = \8 $\text{Next } 2\text{h}15\text{min} = \$1.10 \times 5 = \$5.5$ $\$5.50 + \$8 = \$13.50$	Q2	$100\% = \$880$ $1\% = \$8.80$ $107\% = \$8.80 \times 107$ $= \$941.60$
Q3	$\$0.60 \times 4 = \2.40 $\$4.60 - \$2.40 = \$2.20$	Q4	$20 \div 9 = 2\frac{2}{9}$ $7 \times 2\frac{2}{9} = 15\frac{5}{9} \text{ kg}$
Q5	$60^\circ - 11^\circ = 49^\circ$ $180^\circ - (49^\circ + 49^\circ)$ $= 180^\circ - 98^\circ$ $= 82^\circ$	Q6	(a) $28U = 11060$ $1U = 11060 \div 28 = 395$ $1 \text{ adult} + 3 \text{ children}$ $= 10 + 6 + 6 + 6 = \$28$ (b) $4U = 395 \times 4 = 1580$
Q7	(a) length of B = $60 \div 4 = 15$ Area of B = $15 \times 15 = 225\text{cm}^3$ (b) $5U = 15$ $1U = 15 \div 5 = 3$ Length of A = $3 \times 2 = 6$ Area of A = $6 \times 6 = 36$ A:B = 4:25	Q8	$5U = 45$ $1U = 45 \div 5$ $= 89$ $3U = 89 \times 3$ $= 267$
Q9	(a) $\frac{7}{9} \times 36 \times 36 \times 36 = 36288\text{cm}^3$ (b) $50 \times 18 \times 26 = 23400$ $36288 - 23400 = 12888$ $12888 \text{ ml} = 12.888\ell$	Q10	$\frac{3}{7}m = \frac{1}{4}y$ $\frac{3}{7}m = \frac{3}{12}y$ $m = 7U$ $y = \frac{12u}{19u}$ $19U = 1026$ $1U = 1026 \div 19 = 54$ $12U = 54 \times 12 = \$648$
Q11	(a) $180 + 270 + 140 + 230 = 820$ $820 \div 4 = 205$ $205 - 35 = 170$ (b) $220 \times 6 = 1320$ $820 + 170 = 990$ $1320 - 990 = 330$	Q12	(a) $(180^\circ - 82^\circ) \div 2$ $= 98^\circ \div 2$ $= 49^\circ$ $180^\circ - 82^\circ = 98^\circ$ $90^\circ - 49^\circ - 22^\circ = 19^\circ$ (b) $180^\circ (19^\circ + 98^\circ) = 63^\circ$

Q13	<p>(a) $2U = 480$ $1U = 480 \div 2 = 240$ $5U = 240 \times 5 = 1200$ (b) $80P = 1200$ $1P = 1200 \div 80 = 15$ $17P = 15 \times 17 = 255$</p>	Q14	<p>(a) $24 + 6 = 30$ (b) $54 + 12 = 66$ (c) $12n + 6 = 246$ $246 - 6 = 240$ $240 \div 12 = 20$</p>
Q15	<p>(a) $10U = 2350$ $1U = 2350 \div 10 = 235$ $6U = 235 \times 6 = 1410$ (b) $25U = 235 \times 25 = 5875$</p>	Q16	<p>(a) $3U = 18$ $1U = 18 \div 3 = 6$ $18 + 6 = 24$ $\frac{1}{2} \times 24 \times 38 = 456\text{cm}^2$ (b) $\frac{1}{2} \times 18 \times 18 = 162$ $\frac{1}{2} \times 6 \times 38 = 114$ $\frac{1}{2} \times 18 \times 24 = 216$ $162 + 114 + 216 = 492$ $18 \times 18 = 324$ $324 + 456 = 780$ $780 - 492 = 288\text{cm}^2$</p>
Q17	<p>(a) $0.3 + 0.38 = 0.68\text{m}$ (b) $9U + 2.72 = 9.2$ $9U = 6.48$ $1U = 6.48 \div 9 = 0.72$ $0.72 + 9.2 + 0.38 = 10.3\text{m}$</p>		