

SCHOOL : CATHOLIC HIGH SCHOOL
 LEVEL : PRIMARY 6
 SUBJECT : MATH
 TERM : 2021 SA1

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	1	1	4	1	3	3	2	4

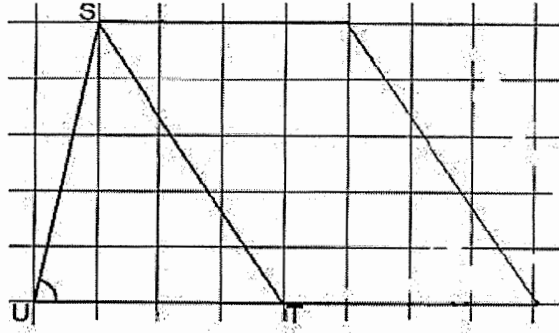
Q11	Q12	Q13	Q14	Q15
1	3	1	2	4

Q16	100012
Q17	1,3,9
Q18	38
Q19	10
Q20	$\frac{9}{1000}$
Q21	120% → 4200 100% → 3500
Q22	9.8
Q23	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Front View</p> </div> <div style="text-align: center;"> <p>Top View</p> </div> </div>
Q24	9 min
Q25	37°
Q26	8h
Q27	27

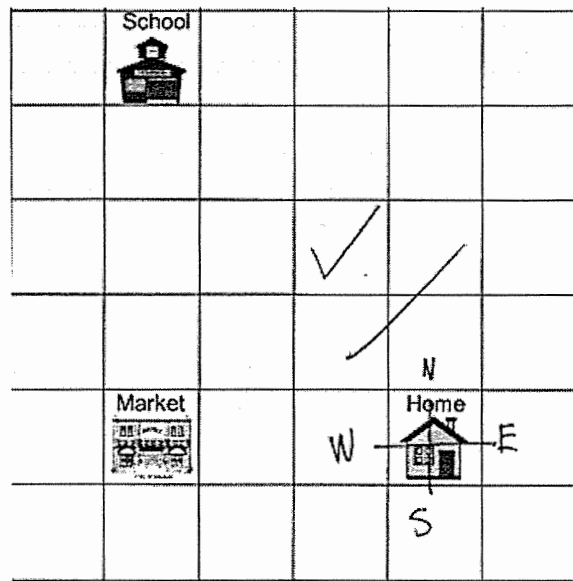
Q28)

$$\frac{2}{5}h \times 60min = 24min$$

Q29)



Q30)



- (a)
- (b) West

PAPER 2

Q1)

$$(m - 6) \div 2 = m + 6 \div 2$$

	$\frac{m-6}{2} + 6 = \left(\frac{m-6}{2} + 6\right)$
Q2)	$210 \times 3 = 630$ $630 - 180 = 450$ $450 - 100 = 350$ $350 - 100 = 250$
Q3)	$td = 120km$ $as = \frac{80km}{h}$ $tt = 1h + \frac{1}{2}h = 1\frac{1}{2}h$
Q4)	$38cm^2$
Q5)	(a) True (b) Impossible to tell
Q6)	(a) <i>mango</i> = 130 number of children (b) 3:10
Q7)	$sat - sun$ $17 \times 2 = 34$ $365 - 34 = 322$ $mon - sun$ $9 \times 5 + 17 \times 2 = 79$ $\frac{322}{79} = 4R6$ <p>Monday</p>
Q8)	$192 \div 4 = 48$ $length\ is\ 3X\ B$ $4 \times 12 = 48$ $12 + 4 + 12 = 28cm$
Q9)	$2u = 44 - (6 \times 5) = 14$ $1u = 7$ $5u = 35$
Q10)	$272 \div 2 = 136$ $136 \div 4 = 34$ $34 \times 5 = 170$ $272 - 170 = 102$ $102 \div 2 = 51$ $51 \times 3 = 153$
Q11)	(a) <i>team A</i> = 96, <i>team B</i> = 94, <i>team C</i> = 95 (b) <i>no, of groups</i> = $225 \div 25 = 9$
Q12)	$angle\ AFB = 180^\circ - 15^\circ - 15^\circ = 150^\circ$ $angle\ BFE = 360^\circ - 110^\circ - 150^\circ = 100^\circ$ $angle\ FEC = \frac{180^\circ - 100^\circ}{2} = 40^\circ$ $angle\ CED = 180^\circ - 116^\circ - 40^\circ = 24^\circ$
Q13)	(a) <i>vol of water in A</i> = $55 \times 60 \times 45 = 148500$ <i>cap of A</i> = $148500 + 82500 = 231000cm^3 = 231l$ (b) $12 \times 8 \times 10 = 960$

	(c) $231000 \div 960 = 240.625 \approx 240$
Q14)	<p>(a) $75\%m = \\$190.50$</p> <p style="text-align: right;">$1\%m = \\$2.54$ $100\% = \\$254$</p> <p>(b) $25\%m = \\$63.50$ (<i>discount coffee marker</i>) $\\$97.70 - \\$63.50 = \\$34.20$ (<i>discount oven</i>) $\\$34.20 + \\$193.80 = \\$228$ $\frac{34.2}{228} \times 100\% = 15\%$</p>
Q15)	<p>(a) $34 - 3 - 3 = 28$</p> <p style="text-align: right;">$28 \div 4 = 7$ $7 + 7 + 3 + 3 = 20$</p> <p>(b) $\frac{1}{4} \times 3.14 \times 7 \times 7 = 38.465$</p> <p style="text-align: right;">$\frac{1}{4} \times 3.14 \times 10 \times 10 = 78.5$ $78.5 - 38.465 = 40.035$ $40.035 \times 4 = 160.14m^2$</p>
Q16)	<p>(a) $31u = 1023$</p> <p style="text-align: right;">$1u = 33$ $4u = 132$</p> <p>(b) <i>assume all contains 4 CB</i></p> <p style="text-align: right;">$4 \times 27 = 108$ <i>difference</i> $= 132 - 108 = 24$ <i>difference</i> $= 7 - 4 = 3$ $24 \times 3 = 8$</p>
Q17)	<p>(a) 29 and 20</p> <p>(b) $12 \times 12 = 144$</p> <p>(c) $119 - 9 = 110$</p> <p style="text-align: right;">$110 \div 5 = 22$ $22 + 1 = 23$</p>