

**2023
FOUNDATION MATHEMATICS
PRIMARY 6
ANSWER KEY**

Paper 1 Booklet A (Total : 30 marks)

Q1 to 10 : 1 mark each

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

Q11 to 20 : 2 marks each

Q11.	2	Q12.	4	Q13.	4	Q14.	1	Q15.	3
Q16.	4	Q17.	3	Q18.	1	Q19.	2	Q20.	2

Paper 1 Booklet B (Total : 20 marks)

Q21 to 30 : 2 marks each

Q21.	a) 15 b) $3\frac{5}{6}$	A1 A1
Q22.	a) 9014 b) 30	A1 A1
Q23.	12385	A2
Q24.	$1\frac{4}{9}$	A2
Q25.	\$350 - \$110 = \$240 \$240 ÷ \$2 = \$120	M1 A1
Q26.	4% of \$800 = \$32 32 + 800 = 832	M1 A1
Q27.	55% X 25000 = 13750	M1A1
Q28.	∠ h = ∠BOD (ver. opp) ∠ h = 180° – 63° – 50° = 67°	M1 A1
Q29.	15 h 15 mins – 25 mins = 14 h 50 mins 2.50 p.m.	M1 A1

Q30.	$96 - 28 = 68$	M1
	$68 \div 4 = 17$	A1

Paper 2 (Total : 40 marks)

Q1 to 10 : 2 marks each

Q1.	$\frac{1}{3} + \frac{2}{9} = \frac{5}{9}$ $\frac{1}{3} + \frac{5}{9} = \frac{8}{9}$	M1 A1
Q2.	$\$72.70 \times \$3 = \$218.10$ $\$218.10 + \$3850 + \$400 = \text{\textbf{\$4468.10}}$	M1 A1
Q3.	$3.17 \text{ km} = 3170 \text{ m}$ $3170 \text{ m} - 850 \text{ m} = \text{\textbf{1180}}$	M1A1
Q4.	$434 \div 15 = 28 \text{ R } 14$ $28 + 1$ $= \text{\textbf{29}}$	M1 A1
Q5.	$90 \times 4 = \$360$ $360 - 100 - 60 - 120 = \$80 \text{ [A1]}$	M1 A1
Q6.	$\$45 \div \$0.60 = \text{\textbf{75}}$	M1A1
Q7.	$20 \times 4 = \text{\textbf{80}}$ Or $20 - 16 = 4$ $20 \times 2 + 16 \times 2 + 4 \times 2 = \text{\textbf{80}}$	M1 A1 M1 A1
Q8.	$\angle \text{CED} = (180^\circ - 78^\circ) \div 2$ $= 51^\circ$ $\angle y = 360^\circ - 51^\circ$ $= 309^\circ$	M1 A1
Q9.	$1u = \$17$ $5u = \$17 \times 5$ $= \text{\textbf{\$85}}$	M1 A1
Q10.	$81^\circ - 28^\circ$ $= \text{\textbf{53}^\circ}$	M1 A1

	Award only A1 if there is no evidence of any working done and the answer is correct for 3 marks and above questions. Award zero mark if the method is wrong, even though the answer is correct. Deduct ½ mark for missing or incorrect unit. Deduct ½ mark for missing statement only if the solution is entirely correct for 4-mark and 5-mark questions. Do not deduct again if ½ mark is already deducted for missing or wrong units.													
Q11	a) $\\$4 + \\$1.50 = \\$5.50$ b) 1.30 p.m. to 3.15 p.m. = 1 h 45 min 1h 45 min = $\\$4 + \\$3 = \\$7$ $5 \times \\$7 = \\35	A1 M1 A1												
Q12.	a) No. of visitors on Thursday = 1250 Thursday $\rightarrow = \\$2.50 \times 1250 = \\3125 Saturday $\rightarrow = \\$2.50 \times 3000 = \\7500 $7500 - 3125 = \\$4375$ b) <table><caption>Number of visitors per day</caption><thead><tr><th>Day</th><th>Number of visitors</th></tr></thead><tbody><tr><td>Wednesday</td><td>1000</td></tr><tr><td>Thursday</td><td>1250</td></tr><tr><td>Friday</td><td>2000</td></tr><tr><td>Saturday</td><td>3000</td></tr><tr><td>Sunday</td><td>2500</td></tr></tbody></table>	Day	Number of visitors	Wednesday	1000	Thursday	1250	Friday	2000	Saturday	3000	Sunday	2500	M1 A1 A1
Day	Number of visitors													
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Thursday	1250													
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Q13.	A B C <table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> } 465 $465 - 30 = 435$ $435 \div 5 = 87$ $87 + 30$ = 117										M1 M1 A1			
Q14.	a) $35\% \times \\$680 = \textbf{\\$238}$ b) $\\$680 - \\$238 = \textbf{\\$442}$	A1 M1A1												
Q15.	Total amount of pocket money received in 5 days $\\$1.60 \times 5 = \\8 Amount spent in 5 days	A1												

	$\$8 - \$2.75 = \$5.25$ Amount spent per day $\$5.25 \div 5 = \1.05	A1 M1A1
Q16.	(a) $5 \times 5 = 25$ $5 + 5 + 5 + 4 + 3$ = 22 cm (b) $12 \times 4 \times 3 = 6$ $25 - 6$ = 19 cm²	M1 A1 M1 A1