

**2024
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.	4	Q5.	1
Q6.	2	Q7.	3	Q8.	3	Q9.	3	Q10.	1

Q11 to 20 : 2 marks each

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

Paper 1 Booklet B (Total : 20 marks)

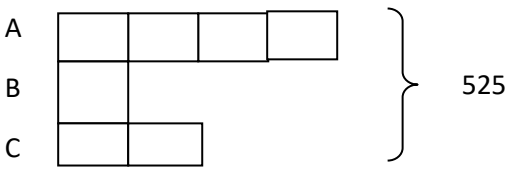
Q21 to 30 : 2 marks each

Q21.	a) 562 b) 38	A1 A1
Q22.	a) 8090 b) 125	A1 A1
Q23.	10469	A2
Q24.	$1\frac{3}{10}$	A2
Q25.	$\$288 - \$108 = \$180$ $\$180 \div \$2 = \mathbf{\$90}$	M1A1
Q26.	$48 \div 3 = 16$ $16 \times 7 = \mathbf{112}$	M1A1
Q27.	a) 3.2 b) 1.58	A1 A1
Q28.	$70\% \times 320 = \mathbf{224}$	A2
Q29.	$15 \text{ h } 35 \text{ mins} - 45 \text{ mins} = 14 \text{ h } 50 \text{ mins}$ 2.50 p.m.	M1A1
Q30.	$78.6 - 69.2 = 9.4 \text{ kg}$ $9.4 \text{ kg} \times 1000 = \mathbf{9400 \text{ g}}$	M1 A1

Paper 2 (Total : 40 marks)

Q1 to 10 : 2 marks each

Q1.	$25 + 25 = 50$ $80 - 50 = 30$ $30 \div 2 = \mathbf{15}$	M1 A1
Q2.	$\frac{1}{5} + \frac{2}{15} = \frac{5}{15}$ $\frac{1}{5} + \frac{5}{15} = \frac{8}{15}$	M1 A1
Q3.	$40 \div 5 = 8$ 7×8 $= \mathbf{56}$	M1 A1
Q4.	$375 \div 50 = 7 \text{ R } 25$ $7 + 1$ $= \mathbf{8}$	M1 A1
Q5	$\$40 \div \$0.80 = \mathbf{50}$	M1A1
Q6	$1 - \frac{3}{10} - \frac{1}{5} = \frac{5}{10} = \frac{1}{2}$	M1A1
Q7.	$\frac{25}{100} \times 80 = 20$ $80 - 20$ $= \mathbf{60}$ Or $\frac{75}{100} \times \$80$ $= \mathbf{60}$	M1 A1 M1 A1
Q8.	$\angle CED = (180^\circ - 70^\circ) \div 2$ $= 55^\circ$ $\angle x = 360^\circ - 55^\circ$ $= 305^\circ$	M1 A1
Q9.	$100 \text{ m} \times 2 = 200 \text{ m}$ $340 \text{ m} - 200 \text{ m} = 140 \text{ m}$ $140 \div 2 = 70 \text{ m}$	M1A1
Q10.	$1u = \$20$ $6u = \$20 \times 6$ $= \mathbf{\$120}$	M1 A1
	<i>Award only A1 if there is no evidence of any working done and the answer is correct for 3 marks and above questions.</i>	

	<p>Award zero mark if the method is wrong, even though the answer is correct.</p> <p>Deduct ½ mark for missing or incorrect unit.</p> <p>Deduct ½ mark for missing statement only if the solution is entirely correct for 4-mark and 5-mark questions.</p> <p>Do not deduct again if ½ mark is already deducted for missing or wrong units.</p>																
Q11	<p>A </p> <p>B</p> <p>C</p> <p>$525 - 45 = 480$ $480 \div 6 = 80$ $80 + 45 = 125$</p>	M1 M1 A1															
Q12.	<p>Method 1</p> <p>$240 + 120 = 360$</p> <p>$\frac{360}{1200} \times 100\% = 30\%$</p> <p>$100\% - 30\% = 70\%$</p> <p>Method 2</p> <p>$240 + 120 = 360$</p> <p>$1200 - 360 = 840$</p> <p>$\frac{840}{1200} \times 100\% = 70\%$</p>	M1 M1A1 M1 M1A1															
Q13	<p>$6B + 5M = \\$24$ $12B + 10M = \\$24 \times 2$ $= \\$48$</p> <p>$12B + 14M = \\62 $4M = \\$62 - \\48 $= \\$6$</p>	M1 M1 A1															
Q14	<p>a) $3.25 \text{ m} - 1.86 \text{ m} = 1.39 \text{ m}$ b) $1.39 \text{ m} \div 4 = 0.3475 \text{ m} \sim 0.3 \text{ m}$</p>	A1 M1A1															
Q15	<p>a) $\\$25 \times 4 + \\$35 \times 2 = \\$170$</p> <p>b) Guess & check (Listing)</p> <table border="1" data-bbox="335 1814 1093 2004"> <thead> <tr> <th>5 Days</th> <th>Total amount paid</th> <th>check</th> </tr> </thead> <tbody> <tr> <td>Mon to Fri</td> <td>$\\$25 \times 5 = \\125</td> <td>×</td> </tr> <tr> <td>Tue to Sat</td> <td>$(\\$25 \times 4) + \\$35 = \\$135$</td> <td>✓</td> </tr> <tr> <td>Wed to Sun</td> <td>$(\\$25 \times 3) + \\$70 = \\$145$</td> <td>×</td> </tr> <tr> <td>Sun to Thu</td> <td>$\\$35 + (\\$25 \times 4) = \\$135$</td> <td>✓</td> </tr> </tbody> </table> <p>Tuesday or Sunday (only 1 answer is required)</p>	5 Days	Total amount paid	check	Mon to Fri	$\$25 \times 5 = \125	×	Tue to Sat	$(\$25 \times 4) + \$35 = \$135$	✓	Wed to Sun	$(\$25 \times 3) + \$70 = \$145$	×	Sun to Thu	$\$35 + (\$25 \times 4) = \$135$	✓	M1A1 M1 A1
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Wed to Sun	$(\$25 \times 3) + \$70 = \$145$	×															
Sun to Thu	$\$35 + (\$25 \times 4) = \$135$	✓															

Q16	Area of square = $5 \times 5 = 25 \text{ cm}^2$ Area of rectangle = $150 - 25 = 125 \text{ cm}^2$ Length of rectangle = $125 \div 5 = 25 \text{ cm}$ Perimeter of unshaded figure = $25 + 5 + 25 + 5 = 60 \text{ cm}$	M1 M1 M1A1
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