

**2020
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.	3
Q6.	3	Q7.	3	Q8.	3	Q9.	3	Q10.	3

Q11 to 20 : 2 marks each

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

Paper 1 Booklet B (Total : 20 marks)

Q21 to 30 : 2 marks each

Q21.	a) 441 b) 68	A1 A1
Q22.	a) 6, 12, 18 b) 1, 2, 4	A1 A1
Q23.	10592	A2
Q24.	$1\frac{3}{10}$	A2
Q25.	$\$56 - \$12 = \$44$ $\$44 \div \$2 = \$22$	M1A1
Q26.	$69 \div 3 = 23$ $23 \times 5 = 115$	M1A1
Q27.	a) 2.4 b) 1.35	A1 A1
Q28.	1.40 p.m.	A2
Q29.	$70\% \times 50 = 35$	M1A1
Q30.	$58.7 - 53.2 = 5.5 \text{ kg}$ $5.5 \text{ kg} \times 1000 = 5500 \text{ g}$	M1 A1

Paper 2 (Total : 40 marks)

Q1 to 10 : 2 marks each

Q1.	$\$62.80 \times \$3 = \$188.40$ $\$188.40 + \$2999 + \$500 = \mathbf{\$3687.40}$	M1A1
Q2.	$12 \times 3 = 36$ (Jessica) $36 + 6 = \mathbf{42}$ (Helen)	M1 A1
Q3.	$45 \div 3 = 15$ 5×15 $= \mathbf{75}$	M1 A1
Q4.	$\$33 \div \$0.40 = 82.5$ Ans: 82	M1 A1
Q5	$555 \div 30 = 18 \text{ R}$ $18 + 1$ $= \mathbf{19}$	M1 A1
Q6	$1 - \frac{1}{10} - \frac{1}{2} = \frac{4}{10} = \frac{2}{5}$	M1A1
Q7.	$\frac{25}{100} \times \$30 = \7.50 $\$30 - \7.50 $= \mathbf{\$22.50}$ Or $\frac{75}{100} \times \$30$ $= \mathbf{\$22.50}$	M1 A1 M1 A1
Q8.	$3\% \times \$30\,000 = \900 $\$30\,000 + \$900 = \mathbf{\$30\,900}$	M1 A1
Q9.	$35 \text{ m} \times 2 = 70 \text{ m}$ $114 \text{ m} - 70 \text{ m} = 44 \text{ m}$ $44 \div 2 = \mathbf{22 \text{ m}}$	M1A1
Q10.	$1u = \$18$ $3u = \$18 \times 3$ $= \mathbf{\$54}$	M1 A1
	<p><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> <p><i>Award zero mark if the method is wrong, even though the answer is correct.</i></p> <p><i>Deduct ½ mark for missing or incorrect unit.</i></p> <p><i>Deduct ½ mark for missing statement only if the solution is entirely correct for 4-mark and 5-mark questions.</i></p>	

	<i>Do not deduct again if ½ mark is already deducted for missing or wrong units.</i>																
Q11	<p> $375 - 35 = 340$ $340 \div 5 = 68$ $68 + 35$ = 103 </p>	M1 M1 A1															
Q12.	(a) $40\% \times \$375 = \mathbf{\$150}$ (b) $\$375 - \$150 = \mathbf{\$225}$	A1 M1A1															
Q13	(a) $\frac{15}{45} = \frac{1}{3}$ (b) $\$45 - \$15 = \$30$ $\frac{1}{3} \times \$30$ = \$10	A1 M1 A1															
Q14	a) $5.71 \text{ m} - 2.15 \text{ m} = \mathbf{3.56 \text{ m}}$ b) $3.56 \text{ m} \div 5 = 0.712 \text{ m} \sim \mathbf{0.7 \text{ m}}$	A1 M1A1															
Q15	a) $\$20 \times 4 + \$30 \times 2 = \mathbf{\$140}$ b) Guess & check (Listing) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="background-color: yellow;">5 Days</th> <th style="background-color: yellow;">Total amount paid</th> <th style="background-color: yellow;">check</th> </tr> </thead> <tbody> <tr> <td>Mon to Fri</td> <td>$\\$20 \times 5 = \\100</td> <td>✗</td> </tr> <tr> <td>Tue to Sat</td> <td>$(\\$20 \times 4) + \\$30 = \mathbf{\\$110}$</td> <td>✓</td> </tr> <tr> <td>Wed to Sun</td> <td>$(\\$20 \times 3) + \\$60 = \\$120$</td> <td>✗</td> </tr> <tr> <td>Sun to Thu</td> <td>$\\$30 + (\\$20 \times 4) = \mathbf{\\$110}$</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	$\$20 \times 5 = \100	✗	Tue to Sat	$(\$20 \times 4) + \$30 = \mathbf{\$110}$	✓	Wed to Sun	$(\$20 \times 3) + \$60 = \$120$	✗	Sun to Thu	$\$30 + (\$20 \times 4) = \mathbf{\$110}$	✓	M1A1 M1 A1
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Q16	a) $15 \times 11 = 165 \text{ min}$ $165 \text{ min} = 60 \text{ min} + 60 \text{ min} + 45 \text{ min} = \mathbf{2 \text{ h } 45 \text{ min}}$ b) Correct timeline $20 \text{ 00 to } 22 \text{ 00} \rightarrow 2 \text{ h}$ $19 \text{ 15 to } 20 \text{ 00} \rightarrow 45 \text{ min}$ 19 15	M1 A1 M1 A1															