

# Answers to Scholastic National Curriculum Maths Practice Book for Year 4

The answers are given below. They are referenced by page number and where applicable, question number.

The answers usually only include the information the children are expected to give.

There may be some places where the answers vary or multiple answers are acceptable, these are marked as such.

Page number	Question number	Answers
6-7	1	Numbers coloured in red: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72
	1a	24, 36, 48
	1b	6, 36, 54
	1c	All the numbers that are multiples of 6 are also multiples of 3: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72
	2	Numbers coloured in blue: 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84
	2a	28, 56, 70
	2b	35, 77, 28
	3	Numbers coloured in yellow: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99
	3a	108
	3b	27, 45, 72
	3c	45, 72, 54
8	1a	125, 175, 225
	1b	900, 850, 775
	1c	91, 166, 216
	2	375g
	3	175g
	4a	350, 500, 550
	4b	134, 284, 334, 434
	4c	662, 562, 512, 412
	5	325ml
	6	375ml

Page number	Question number	Answers
9	1	2623, 5623, 6623 8578, 5578, 4578
	2a	7832
	2b	8026
	2c	5481
	2d	8207
	2e	3803
	2f	345
	3	Cyclist 1: 4420m Cyclist 2: 6675m Cyclist 3: 3015m Cyclist 4: 5901m
10	1a	16, 8, 0, -8, -16
	1b	0, 4, 8, 12, 16
	1c	7, 0, -7, -14, -21
	2a	-2
	2b	-6
	2c	17
	2d	-14
11	1a	8752
	1b	2578
	2a	9431, 1349
	2b	6552, 2556
	2c	9988, 8899
	2d	6300, 3600
12	1a	4
	1b	8765
	1c	2000
	1d	20
	1e	500
	1f	3000
	1g	2
	1h	6499
	1i	5252
	1j	$3000 + 500 + 20 + 7$
	1k	$6000 + 70 + 4$
	1l	$3000 + 3$

Page number	Question number	Answers
<b>13</b>	1a	No
	1b	Yes
	1c	Yes
	1d	No
	1e	No
	1f	Yes
	2b	<
	2c	>
	2d	<
	3	6789, 6978, 6987, 7896, 7898, 8967, 9876
<b>14</b>	1a	<
	1b	>
	1c	<
	1d	>
	2a	3725kg
	2b	8002g
	2c	Accept any answer greater than 7000kg
	3	£8.60, £6.80, £6.50, £6.08, £5.80, £5.60, £5.10, £1.50
<b>15</b>	1a	29
	1b	306
	1c	630
	1d	2004
	1e	8060
	1f	9470
	1g	5652
	1h	7910
	2a	Seventy-two
	2b	Six hundred and eight
	2c	Eight hundred and twenty
	2d	Thirty-five
	2e	Four thousand, two hundred and fifty
	2f	Two thousand, four hundred and five

Page number	Question number	Answers																																																															
<b>16–17</b>	1a	II																																																															
	1b	VII																																																															
	1c	XIX																																																															
	1d	XI																																																															
	1e	XXII																																																															
	1f	LII																																																															
	1g	IL																																																															
	1h	CI																																																															
	2	I, VI, VIII, XI																																																															
	3a	VIII																																																															
	3b	X																																																															
	3c	L																																																															
	3d	XC																																																															
	3e	LVIII																																																															
	3f	LIV																																																															
	4	4 = IV 6 = VI 12 = XII 18 = XVIII 25 = XXV 90 = XC 107 = CVII																																																															
	5b	Answers will vary. For example, V + V																																																															
	5c	Answers will vary. For example, XXX + XX																																																															
	5d	Answers will vary. For example, L + L																																																															
	5e	Answers will vary. For example, CD + C																																																															
5f	Answers will vary. For example, D + D																																																																
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6b	0																																																																
6c	bigger																																																																
6d	smaller																																																																
<b>18</b>	I	<table border="1"> <thead> <tr> <th>-1000</th> <th>-100</th> <th>-10</th> <th>Number</th> <th>+10</th> <th>+100</th> <th>+1000</th> </tr> </thead> <tbody> <tr> <td>2040</td> <td>2940</td> <td>3030</td> <td>3040</td> <td>3050</td> <td>3140</td> <td>4040</td> </tr> <tr> <td>4395</td> <td>5295</td> <td>5385</td> <td>5395</td> <td>5405</td> <td>5495</td> <td>6395</td> </tr> <tr> <td>6002</td> <td>6902</td> <td>6992</td> <td>7002</td> <td>7012</td> <td>7102</td> <td>8002</td> </tr> <tr> <td>256</td> <td>1156</td> <td>1246</td> <td>1256</td> <td>1266</td> <td>1356</td> <td>2256</td> </tr> <tr> <td>3609</td> <td>4509</td> <td>4599</td> <td>4609</td> <td>4619</td> <td>4709</td> <td>5609</td> </tr> <tr> <td>5048</td> <td>5948</td> <td>6038</td> <td>6048</td> <td>6048</td> <td>6148</td> <td>7048</td> </tr> <tr> <td>7794</td> <td>8694</td> <td>8784</td> <td>8794</td> <td>8804</td> <td>8894</td> <td>9794</td> </tr> <tr> <td>6593</td> <td>7493</td> <td>7583</td> <td>7593</td> <td>7603</td> <td>7693</td> <td>8593</td> </tr> </tbody> </table>	-1000	-100	-10	Number	+10	+100	+1000	2040	2940	3030	3040	3050	3140	4040	4395	5295	5385	5395	5405	5495	6395	6002	6902	6992	7002	7012	7102	8002	256	1156	1246	1256	1266	1356	2256	3609	4509	4599	4609	4619	4709	5609	5048	5948	6038	6048	6048	6148	7048	7794	8694	8784	8794	8804	8894	9794	6593	7493	7583	7593	7603	7693	8593
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19	1a	130km																																																																					
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	1c	4010km																																																																					
	1d	830km																																																																					
	1e	290km																																																																					
	1f	3910km																																																																					
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2b	3150																																																																						
2c	3000																																																																						

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21	1a	720cm																													
	1b	360cm																													
	1c	1050cm																													
	1d	2660cm																													
	2a	100ml																													
	2b	400ml																													
	2c	300ml																													
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Nile	6669	6670	6700	7000																											
22	1a	20, 18cm																													
	1b	650, 680ml																													
	1c	200, £212																													
	1d	500, 496m																													
	1e	400, 397m																													
	1f	3000, 3240g																													
	2	100, 250, 400, 550, 700, 850																													
	3a	100																													
	3b	75																													
	3c	1500																													
	3d	600																													
	3e	725																													
	4a	2000																													
	4b	41																													
	4c	610																													
	4d	1500																													
4e	75																														
23	1	$600 + 300$																													
	2	$20 \times 7$																													
	3	$100 - 67$																													
	4	$350 - 100$																													
	5	$1000 + 9$																													
	6	$5 \times 10 \times 5$																													
24	1a	153, 172: + 19																													
	1b	258, 228, 213: - 15																													
	1c	154, 168, 175, 189: + 7																													
	2a	Answers will vary.																													
	2b	Answers will vary.																													

Page number	Question number	Answers
25	1a	£2.21, £2.14, £1.93
	1b	445g, 495g, 545g
	1c	6025, 5125, 4525
	2	91, 87, 83, 79, 75, 71, 67, 63, 59; Yes
	3a	2049
	3b	700
	3c	5,408
	4	8506, 7943, 7934, 7439, 7349, 3140, 3104, 3041
26	1a	22
	1b	20
	1c	40
	1d	120
	2a	19
	2b	50
	2c	35
	2d	18
	3a	16
	3b	94
	3c	109
	3d	73
27	1a	52
	1b	60
	1c	102
	1d	260
	2a	57
	2b	129
	2c	187
	2d	28
	3a	122
	3b	116
	3c	128
3d	153	
28	1a	97
	1b	83
	1c	23
	1d	16
	1e	98
	1f	93
	1g	10
	1h	14
	2	18
	3	Add 20 and subtract 1; 86
	4	Because $4 - 1 = 3$ so the ones can't end in 4
	5	Answers will vary. For example, 8 and 23

Page number	Question number	Answers			
29	1	Question	Jottings	Answer	Check
		70 + 60	$7 + 6 = 13$	130	$130 - 70 = 60$
		70 + 90	$7 + 9 = 16$	160	$160 - 90 = 70$
		100 - 60	$10 - 6 = 4$	40	$60 + 40 = 100$
		120 - 70	$12 - 7 = 5$	50	$50 + 70 = 120$
		500 + 400	$5 + 4 = 9$	900	$900 - 400 = 500$
		700 - 600	$7 - 6 = 1$	100	$100 + 600 = 700$
30	1	Question	Jottings	Answer	Check
		40 + 90	$4 + 9 = 13$	130	$130 - 90 = 40$
		120 - 50	$12 - 5 = 7$	70	$70 + 50 = 120$
		800 + 400	$8 + 4 = 12$	1200	$1200 - 800 = 400$
		900 - 700	$9 - 7 = 2$	200	$200 + 700 = 900$
		3000 + 6000	$3 + 6 = 9$	9000	$9000 - 6000 = 3000$
		5000 - 2000	$5 - 2 = 3$	3000	$3000 + 2000 = 5000$
31	1a	40			
	1b	68			
	1c	40			
	1d	12			
	1e	29			
	1f	90			
	1g	66			
	1h	60			
	1i	21			
	1j	21			
	1k	97			
	1l	100			
	1m	158			
	1n	113			
1o	88				
32	1a	110			
	1b	172			
	1c	168			
	1d	324			
33	1a	494			
	1b	676			
	1c	251			
	1d	716			
	1e	188			
	1f	922			



Page number	Question number	Answers																																																
<b>34</b>	1a	388																																																
	1b	544																																																
	1c	268																																																
	1d	915																																																
	1e	359																																																
	1f	766																																																
<b>35</b>	1a	56																																																
	1b	219																																																
	1c	149																																																
	1d	479																																																
	1e	657																																																
	1f	866																																																
<b>36</b>	1	Answers will vary.																																																
<b>37</b>	1	Answers will vary.																																																
<b>38</b>	1a	622																																																
	1b	734																																																
	1c	925																																																
	1d	441																																																
	1e	374																																																
<b>39</b>	1a	4072																																																
	1b	5999																																																
	1c	8141																																																
	1d	2579																																																
	1e	4877																																																
<b>40</b>		<table border="1"> <thead> <tr> <th>Question</th> <th>Estimate of sum</th> <th>Actual total</th> <th>Check</th> </tr> </thead> <tbody> <tr> <td>18 + 29</td> <td>50</td> <td>47</td> <td>47 - 18 = 29</td> </tr> <tr> <td>25 + 71</td> <td>100</td> <td>96</td> <td>96 - 25 = 71</td> </tr> <tr> <td>43 + 78</td> <td>120</td> <td>121</td> <td>121 - 43 = 78</td> </tr> <tr> <td>92 + 54</td> <td>140</td> <td>146</td> <td>146 - 92 = 54</td> </tr> <tr> <td>94 + 95</td> <td>190</td> <td>189</td> <td>189 - 95 = 94</td> </tr> <tr> <td>67 + 84</td> <td>150</td> <td>151</td> <td>151 - 84 = 67</td> </tr> </tbody> </table>	Question	Estimate of sum	Actual total	Check	18 + 29	50	47	47 - 18 = 29	25 + 71	100	96	96 - 25 = 71	43 + 78	120	121	121 - 43 = 78	92 + 54	140	146	146 - 92 = 54	94 + 95	190	189	189 - 95 = 94	67 + 84	150	151	151 - 84 = 67																				
	Question	Estimate of sum	Actual total	Check																																														
	18 + 29	50	47	47 - 18 = 29																																														
	25 + 71	100	96	96 - 25 = 71																																														
	43 + 78	120	121	121 - 43 = 78																																														
	92 + 54	140	146	146 - 92 = 54																																														
	94 + 95	190	189	189 - 95 = 94																																														
	67 + 84	150	151	151 - 84 = 67																																														
<b>41</b>		Answers will vary. For example:																																																
		<table border="1"> <thead> <tr> <th>Numbers</th> <th>Number sentence and answer</th> <th>Estimate using rounding</th> <th>Check using an inverse operation</th> </tr> </thead> <tbody> <tr> <td>36, 23</td> <td>36 + 23 = 59</td> <td>40 + 20 = 60</td> <td>60 - 40 = 20</td> </tr> <tr> <td>47, 48</td> <td>47 + 48 = 95</td> <td>50 + 50 = 100</td> <td>100 - 50 = 50</td> </tr> <tr> <td>38, 73</td> <td>38 + 73 = 111</td> <td>40 + 70 = 110</td> <td>110 - 40 = 70</td> </tr> <tr> <td>85, 97</td> <td>85 + 97 = 182</td> <td>90 + 100 = 190</td> <td>190 - 100 = 90</td> </tr> <tr> <td>118, 83</td> <td>118 + 83 = 201</td> <td>120 + 80 = 200</td> <td>200 - 120 = 80</td> </tr> <tr> <td>121, 78</td> <td>121 + 78 = 199</td> <td>120 + 80 = 200</td> <td>200 - 120 = 80</td> </tr> <tr> <td>134, 35</td> <td>134 + 35 = 169</td> <td>130 + 40 = 170</td> <td>170 - 130 = 40</td> </tr> <tr> <td>127, 44</td> <td>127 + 44 = 171</td> <td>130 + 40 = 170</td> <td>170 - 130 = 40</td> </tr> <tr> <td>168, 23</td> <td>168 + 23 = 191</td> <td>170 + 20 = 190</td> <td>190 - 170 = 20</td> </tr> <tr> <td>155, 48</td> <td>155 + 48 = 303</td> <td>160 + 50 = 310</td> <td>310 - 50 = 160</td> </tr> <tr> <td>99, 98</td> <td>99 + 98 = 197</td> <td>100 + 100 = 200</td> <td>200 - 100 = 100</td> </tr> </tbody> </table>	Numbers	Number sentence and answer	Estimate using rounding	Check using an inverse operation	36, 23	36 + 23 = 59	40 + 20 = 60	60 - 40 = 20	47, 48	47 + 48 = 95	50 + 50 = 100	100 - 50 = 50	38, 73	38 + 73 = 111	40 + 70 = 110	110 - 40 = 70	85, 97	85 + 97 = 182	90 + 100 = 190	190 - 100 = 90	118, 83	118 + 83 = 201	120 + 80 = 200	200 - 120 = 80	121, 78	121 + 78 = 199	120 + 80 = 200	200 - 120 = 80	134, 35	134 + 35 = 169	130 + 40 = 170	170 - 130 = 40	127, 44	127 + 44 = 171	130 + 40 = 170	170 - 130 = 40	168, 23	168 + 23 = 191	170 + 20 = 190	190 - 170 = 20	155, 48	155 + 48 = 303	160 + 50 = 310	310 - 50 = 160	99, 98	99 + 98 = 197	100 + 100 = 200	200 - 100 = 100
	Numbers	Number sentence and answer	Estimate using rounding	Check using an inverse operation																																														
	36, 23	36 + 23 = 59	40 + 20 = 60	60 - 40 = 20																																														
	47, 48	47 + 48 = 95	50 + 50 = 100	100 - 50 = 50																																														
	38, 73	38 + 73 = 111	40 + 70 = 110	110 - 40 = 70																																														
	85, 97	85 + 97 = 182	90 + 100 = 190	190 - 100 = 90																																														
	118, 83	118 + 83 = 201	120 + 80 = 200	200 - 120 = 80																																														
	121, 78	121 + 78 = 199	120 + 80 = 200	200 - 120 = 80																																														
	134, 35	134 + 35 = 169	130 + 40 = 170	170 - 130 = 40																																														
	127, 44	127 + 44 = 171	130 + 40 = 170	170 - 130 = 40																																														
	168, 23	168 + 23 = 191	170 + 20 = 190	190 - 170 = 20																																														
	155, 48	155 + 48 = 303	160 + 50 = 310	310 - 50 = 160																																														
99, 98	99 + 98 = 197	100 + 100 = 200	200 - 100 = 100																																															

Page number	Question number	Answers	
42	1	$£13.56 + £8.76 = £22.32$	$£8.76 + £8.12 = £16.88$
		$£13.56 + £6.78 = £20.34$	$£6.78 + £3.14 = £9.92$
		$£13.56 + £3.14 = £16.70$	$£6.78 + £2.99 = £9.77$
		$£13.56 + £2.99 = £16.55$	$£6.78 + £8.12 = £14.90$
		$£13.56 + £8.12 = £21.68$	$£3.14 + £2.99 = £6.13$
		$£8.76 + £6.78 = £15.54$	$£3.14 + £8.12 = £11.26$
		$£8.76 + £3.14 = £11.90$	$£2.99 + £8.12 = £11.11$
		$£8.76 + £2.99 = £11.75$	
43	1	$£13.56 - £8.76 = £4.80$	$£8.76 - £8.12 = £0.64$
		$£13.56 - £6.78 = £6.78$	$£6.78 - £3.14 = £3.64$
		$£13.56 - £3.14 = £10.42$	$£6.78 - £2.99 = £3.79$
		$£13.56 - £2.99 = £10.57$	$£3.14 - £2.99 = £0.15$
		$£13.56 - £8.12 = £5.44$	$£8.12 - £6.78 = £1.34$
		$£8.76 - £6.78 = £1.98$	$£8.12 - £3.14 = £4.98$
		$£8.76 - £3.14 = £5.62$	$£8.12 - £2.99 = £5.13$
		$£8.76 - £2.99 = £5.77$	
44	1a	(Model plane £1.55 and Football magazine 80p) £2.35	
	1b	Note variations have been given in case different images are chosen; accept answer so long as calculation is correct. (DVD £3.50 and middle box £2.75) 75p (DVD £3.50 and football image 80p) £2.70	
	1c	£5.00	
	1d	(Model plane £1.55 and Football magazine 80p) £4.90	
45	1a	£4.00	
	1b	£1.65	
	2	£4.25	
	3a	£18.50	
	3b	£1.75 or 175p	
	3c	£10.83	
	4a	£1.50	
	4b	325p or £3.25	
4c	£4.17 or 417p		
46	1	Answers will vary. For example, 4 shiny conkers (250g) + 2 slices of slippery snake (2 × 125g) + 1 cup of stinging nettles (350g) + 10 hairy spiders (2 × 75g)	
47	1	907m	
	2	110cm	
	3	16.01m	
	4	24cm	

Page number	Question number	Answers																									
<b>48</b>	1	£10.70																									
	2	1.84km																									
	3	75ml																									
	4	328 people																									
	5	88cm																									
	6	2500 people																									
<b>49</b>	1	188																									
	2	166p or £1.66																									
	3	63																									
	4	410																									
	5	225																									
	6	£6.95																									
	7	667																									
	8	113cm or 1.13m																									
	9	201																									
	10	88																									
<b>50</b>		$7 \times 3 = 21$ $4 \times 4 = 16$ $4 \times 3 = 12$ $5 \times 5 = 25$ $6 \times 5 = 30$ $8 \times 10 = 80$ $9 \times 3 = 27$ $9 \times 4 = 36$ $9 \times 5 = 45$ $7 \times 4 = 28$ $80 \div 10 = 8$ $18 \div 2 = 9$ $36 \div 4 = 9$ $45 \div 5 = 9$ $28 \div 4 = 7$																									
<b>51</b>	1	<table border="1"> <tr><td>×</td><td><b>2</b></td><td><b>10</b></td><td><b>5</b></td><td><b>1</b></td></tr> <tr><td><b>1</b></td><td>2</td><td>10</td><td>5</td><td>1</td></tr> <tr><td><b>4</b></td><td>8</td><td>40</td><td>20</td><td>4</td></tr> <tr><td><b>5</b></td><td>10</td><td>50</td><td>25</td><td>5</td></tr> <tr><td><b>3</b></td><td>6</td><td>30</td><td>15</td><td>3</td></tr> </table>	×	<b>2</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>1</b>	2	10	5	1	<b>4</b>	8	40	20	4	<b>5</b>	10	50	25	5	<b>3</b>	6	30	15	3
	×	<b>2</b>	<b>10</b>	<b>5</b>	<b>1</b>																						
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	<b>4</b>	8	40	20	4																						
<b>5</b>	10	50	25	5																							
<b>3</b>	6	30	15	3																							
2	<table border="1"> <tr><td>×</td><td><b>5</b></td><td><b>6</b></td><td><b>7</b></td><td><b>2</b></td></tr> <tr><td><b>3</b></td><td>15</td><td>18</td><td>21</td><td>6</td></tr> <tr><td><b>6</b></td><td>30</td><td>36</td><td>42</td><td>12</td></tr> <tr><td><b>4</b></td><td>20</td><td>24</td><td>28</td><td>8</td></tr> <tr><td><b>5</b></td><td>25</td><td>30</td><td>35</td><td>10</td></tr> </table>	×	<b>5</b>	<b>6</b>	<b>7</b>	<b>2</b>	<b>3</b>	15	18	21	6	<b>6</b>	30	36	42	12	<b>4</b>	20	24	28	8	<b>5</b>	25	30	35	10	
×	<b>5</b>	<b>6</b>	<b>7</b>	<b>2</b>																							
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<b>6</b>	30	36	42	12																							
<b>4</b>	20	24	28	8																							
<b>5</b>	25	30	35	10																							
3	<table border="1"> <tr><td>×</td><td><b>9</b></td><td><b>4</b></td><td><b>6</b></td><td><b>10</b></td></tr> <tr><td><b>2</b></td><td>18</td><td>8</td><td>12</td><td>20</td></tr> <tr><td><b>7</b></td><td>63</td><td>28</td><td>42</td><td>70</td></tr> <tr><td><b>3</b></td><td>27</td><td>12</td><td>18</td><td>30</td></tr> <tr><td><b>8</b></td><td>72</td><td>32</td><td>48</td><td>80</td></tr> </table>	×	<b>9</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>2</b>	18	8	12	20	<b>7</b>	63	28	42	70	<b>3</b>	27	12	18	30	<b>8</b>	72	32	48	80	
×	<b>9</b>	<b>4</b>	<b>6</b>	<b>10</b>																							
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<b>8</b>	72	32	48	80																							
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×	<b>5</b>	<b>8</b>	<b>7</b>	<b>3</b>																							
<b>6</b>	30	48	42	18																							
<b>1</b>	5	8	7	3																							
<b>9</b>	45	72	63	27																							
<b>4</b>	20	32	28	12																							

Page number	Question number	Answers																						
52	1	<table border="1"> <thead> <tr> <th colspan="2">The 7-times table</th> </tr> </thead> <tbody> <tr><td><math>10 \times 7</math></td><td>70</td></tr> <tr><td><math>8 \times 7</math></td><td>56</td></tr> <tr><td><math>4 \times 7</math></td><td>28</td></tr> <tr><td><math>7 \times 7</math></td><td>49</td></tr> <tr><td><math>5 \times 7</math></td><td>35</td></tr> <tr><td><math>3 \times 7</math></td><td>21</td></tr> <tr><td><math>56 \div 7</math></td><td>8</td></tr> <tr><td><math>21 \div 7</math></td><td>3</td></tr> <tr><td><math>49 \div 7</math></td><td>7</td></tr> <tr><td><math>70 \div 7</math></td><td>10</td></tr> </tbody> </table>	The 7-times table		$10 \times 7$	70	$8 \times 7$	56	$4 \times 7$	28	$7 \times 7$	49	$5 \times 7$	35	$3 \times 7$	21	$56 \div 7$	8	$21 \div 7$	3	$49 \div 7$	7	$70 \div 7$	10
		The 7-times table																						
		$10 \times 7$	70																					
		$8 \times 7$	56																					
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$45 \div 9$	5																							
$27 \div 9$	3																							
$90 \div 9$	10																							
	2	Answers will vary. Children should notice that they add up to 9: $81 = 8 + 1 = 9$																						
53	1	81																						
	2	54																						
	3	32																						
	4	21																						
	5	40																						
	6	39																						
	7	180																						
	8	630																						
	9	34																						
	10	400																						
	11	110																						
	12	68																						
	13	7																						
	14	30																						
	15	9																						
	16	50																						
	17	6																						
	18	1																						
	19	1																						
	20	3																						

Page number	Question number	Answers
<b>54</b>	1a	42
	1b	40
	1c	27
	1d	280
	1e	300
	1f	180
	2	720p or £7.20
	3	540p or £5.40
	4	7 packets
	5	4 weeks
	6a	8
	6b	8
<b>55</b>	1	$2 \times 11 = 22$ $3 \times 12 = 36$ $6 \times 11 = 66$ $5 \times 12 = 60$
	2	$4 \times 11 = 44$ $7 \times 12 = 84$ $9 \times 11 = 99$ $9 \times 12 = 108$
	3	$6 \times 9 = 54$ $11 \times 7 = 77$ $9 \times 9 = 81$ $4 \times 9 = 36$
	4	$12 \times 12 = 144$ $8 \times 7 = 56$ $9 \times 8 = 72$ $11 \times 11 = 121$
	5	$12 \times 9 = 108$ $12 \times 11 = 132$ $11 \times 9 = 99$ $12 \times 10 = 120$
<b>56</b>	1	140
	2	70
	3	32
	4	16
	5	112
	6	56
<b>57</b>	1a	8
	1b	8
	2a	8
	2b	40
	3a	5
	3b	30
	4	Answers will vary.
<b>58</b>	1	24
	2	12
	3	63
	4	Child should tick – 'Add the 5 <sup>th</sup> multiple of 20 to the 5 <sup>th</sup> multiple of 5'
	5	80
	6	70
	7	90

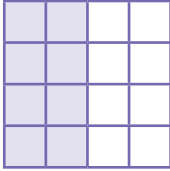



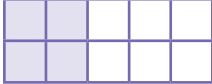
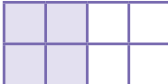

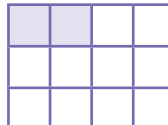
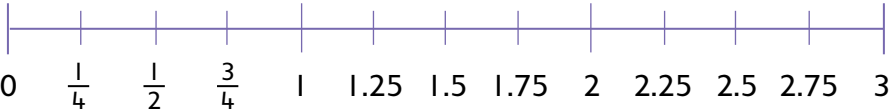
Page number	Question number	Answers
<b>59</b>		64 – 4, 8, 16, 32
		12 – 1, 2, 3, 4, 6, 12
		23 – 1, 23
		100 – 10, 20, 25, 50, 100
<b>60</b>	1	72
	2	70
	3	51
	4	76
<b>61</b>	1	180
	2	108
	3	344
	4	390
	5	469
<b>62–63</b>	1a	86
	1b	69
	1c	128
	1d	88
	1e	54
	2a	112
	2b	164
	2c	108
	2d	115
	2e	208
	2f	96
	2g	170
	2h	112
	2i	140
	2j	148
	2k	141
	2l	192
	3a	90kg
	3b	210p or £2.10
	4	$4 \times 32 = 128$ and $8 \times 16 = 128$ $2 \times 8 = 16$ and $4 \times 4 = 16$ $6 \times 18 = 108$ and $2 \times 54 = 108$ $50 \times 6 = 300$ and $25 \times 12 = 300$ $6 \times 23 = 138$ and $3 \times 46 = 138$ $2 \times 27 = 54$ and $6 \times 9 = 54$
5	Answers will vary.	
6a	$14 \times 8 = 28 \times 4 = 56 \times 2 = 112 \times 1$	
6b	$17 \times 6 = 34 \times 3 = 102 \times 1$	

Page number	Question number	Answers
<b>64</b>	1a	$13 \times 3 = 39, 3 \times 13 = 39, 39 \div 13 = 3, 39 \div 3 = 13$
	1b	$4 \times 12 = 48, 12 \times 4 = 48, 48 \div 4 = 12, 48 \div 12 = 4$
	1c	$9 \times 7 = 63, 7 \times 9 = 63, 63 \div 9 = 7, 63 \div 7 = 9$
	1d	$6 \times 9 = 54, 9 \times 6 = 54, 54 \div 6 = 9, 54 \div 9 = 6$
	1e	$4 \times 8 = 32, 8 \times 4 = 32, 32 \div 4 = 8, 32 \div 8 = 4$
	2a	19
	2b	3
	2c	57
	2d	57
	3a	6
	3b	14
	3c	84
	3d	84
<b>65</b>		$18 \times 6$ <span style="float: right;"><math>34 \times 3</math></span> $29 \times 3$ <span style="float: right;"><math>14 \times 7</math></span>
<b>66</b>	1	168
	2	120
	3	108
	4	320
	5	126
	6	96
	7	24
	8	110
	9	252
<b>67</b>	1–2	Answers will vary.

Page number	Question number	Answers	
<b>68–69</b>	1a	340	
	1b	2900	
	1c	680	
	1d	31	
	2	4200	
	3	83	
	4	÷ 100	
	5	£8.45	
	6	90 320 560 1220 3760	
	7	400 1900 5600 3700 8900	
	8	5 22 64 230 412	
	<b>70</b>	1a	6
		1b	45
		1c	24
		1d	35
		1e	450
1f		18	
1g		72	
1h		6	
1i		72	
1j		872	
2a		0	
2b		0	
2c		0	
2d		0	
2e		0	
2f		0	
3		50g	
4		1500m	
5		£0	



Page number	Question number	Answers
<b>71</b>	1	Answer will be the same as the chosen number.
	2a	24
	2b	750
	2c	8
	2d	1
	2e	12
	2f	1
<b>72-73</b>	1a	$56 \times 7 = 392$
	1b	$83 \times 5 = 415$
	1c	$35 \times 5 = 175$
	1d	$72 \times 6 = 432$
	2	Answers will vary. For example, $76 \times 6 = 456$
<b>74</b>	1a	735
	1b	702
	1c	1292
	1d	1253
<b>75</b>	1a	18
	1b	17
	1c	16
	1d	22
<b>76</b>	1	Answers will vary.
<b>77</b>	1a	$\frac{2}{4}$ or $\frac{1}{2}$
	1b	$\frac{1}{3}$
	1c	$\frac{2}{6}$ or $\frac{1}{3}$
	1d	$\frac{3}{6}$ or $\frac{1}{2}$
	1e	$\frac{2}{10}$ or $\frac{1}{5}$
<b>78</b>	1	8
	2	30
	3	$\frac{1}{6}$
	4	4
	5	15
	6	18
	7	4
	8	12
<b>79</b>	1	<p>Less than <math>\frac{1}{2}</math> Red:  <math>0.25, \frac{1}{4}, \frac{1}{10}, \frac{1}{3}, \frac{1}{5}, 0.1, \frac{3}{8}, 0.01</math></p> <p>More than <math>\frac{1}{2}</math> Yellow:  <math>\frac{7}{10}, 1.25, \frac{3}{4}, 10.1, \frac{2}{3}, 2.5, \frac{7}{8}, \frac{9}{10}, \frac{4}{5},</math></p> <p>Left Blank: 0.5</p>































Page number	Question number	Answers	
80			$\frac{8}{16}$
			$\frac{2}{5}$
			$\frac{1}{6}$
			$\frac{1}{4}$
			$\frac{4}{10}$
			$\frac{4}{8}$
			$\frac{2}{8}$
			$\frac{2}{12}$
81	1	$\frac{6}{8}$ or $\frac{3}{4}$	
	2a	8	
	2b	2	
	2c	4	
	2d	2	
	2e	12	
	2f	6	
	3	$\frac{2}{6}$ , $\frac{3}{9}$ , $\frac{4}{12}$ , $\frac{5}{15}$ , – ensure that the numerator (top number) is a third of the denominator (bottom number)	
4	<p>Divide the numerator by the denominator for each fraction and it will give you the same decimal answer.</p> <p>OR change both fractions so they have a common denominator to allow you to compare.</p>		
5			

Page number	Question number	Answers
82	1	$\frac{4}{10} + \frac{6}{10} = 1$ $\frac{1}{2} + \frac{1}{2} = 1$ $\frac{3}{4} + \frac{1}{4} = 1$ $\frac{1}{5} + \frac{4}{5} = 1$ $\frac{3}{5} + \frac{2}{5} = 1$ $\frac{2}{3} + \frac{1}{3} = 1$ $\frac{1}{4} + \frac{3}{4} = 1$ $\frac{7}{10} + \frac{3}{10} = 1$ $\frac{4}{5} + \frac{1}{5} = 1$ $\frac{1}{3} + \frac{2}{3} = 1$
	2a	$\frac{1}{6}$
	2b	$\frac{4}{7}$
	2c	$\frac{3}{8}$
	2d	$\frac{8}{9}$
83	1a	$\frac{7}{8}$
	1b	$\frac{5}{6}$
	1c	$\frac{2}{8}$
	2a	$\frac{3}{3}$ or 1
	2b	$\frac{6}{7}$
	2c	$\frac{5}{10}$
	2d	$\frac{3}{9}$
	2e	$\frac{4}{5}$
	2f	$\frac{8}{10}$
	2g	$\frac{2}{12}$
	2h	$\frac{0}{6}$ or 0
	3a	$\frac{3}{6} = \frac{1}{2}$
	3b	$\frac{6}{8} = \frac{3}{4}$
	3c	$\frac{4}{6} = \frac{2}{3}$
	3d	$\frac{8}{20} = \frac{4}{10} = \frac{2}{5}$
	3e	$\frac{15}{20} = \frac{3}{4}$
3f	$\frac{75}{100} = \frac{3}{4}$	
3g	$\frac{25}{100} = \frac{1}{4}$	
3h	$\frac{60}{100} = \frac{30}{50} = \frac{3}{5}$	

Page number	Question number	Answers	
<b>84</b>	1	$\frac{1}{2}$	
	2	$\frac{3}{4}$	
	3	$\frac{1}{10}$	
	4	$\frac{1}{2}$	
	5	$\frac{3}{4}$	
	6	$\frac{1}{10}$	
	7	$\frac{1}{2}$	
	8	$\frac{1}{4}$	
	9	0.5kg	
<b>85</b>	1	$0.50\text{m} = \frac{1}{2}\text{m}$ $7.25\text{m} = 7\frac{1}{4}\text{m}$	$3.75\text{m} = 3\frac{3}{4}\text{m}$ $9.5\text{m} = 9\frac{1}{2}\text{m}$
	2	four tenths = 0.4 $\frac{7}{10} = 0.7$	one quarter = 0.25 one hundredth = 0.01
	3	$\frac{25}{100} = 0.25$ $0.10 = \frac{1}{10}$	$\frac{75}{100} = 0.75$ $0.50 = \frac{50}{100}$
	4	$1.25\text{kg} = 1\frac{1}{4}\text{kg}$ $1.5\text{kg} = 1\frac{1}{2}\text{kg}$	$0.75\text{kg} = \frac{3}{4}\text{kg}$ $3.5\text{kg} = 3\frac{1}{2}\text{kg}$
	5	$1.7 = 1\frac{7}{10}$ $1.75 = 1\frac{3}{4}$	$1.2 = 1\frac{2}{10}$ $1.25 = 1\frac{1}{4}$
<b>86</b>	1	Hundredths square labelled from $\frac{1}{100} + \frac{100}{100}$	
<b>87</b>	1a	Check children's drawings – 3 coloured red	
	1b	Check children's drawings – 10 coloured blue	
	1c	Check children's drawings – 16 coloured yellow	
	1d	Check children's drawings – 40 coloured green	
	2a	$\frac{5}{10} = \frac{50}{100} = 0.5$	
	2b	$\frac{1}{5} = \frac{2}{10} = \frac{20}{100} = 0.2$	
	2c	$\frac{3}{5} = \frac{6}{10} = \frac{60}{100} = 0.6$	
	3a	0.13	
	3b	0.43	
	3c	1.56	
	4	0.01, 0.23, 0.67, 0.85	

Page number	Question number	Answers					
		Amount	÷ 10	÷ 100	Amount	÷ 10	÷ 100
88-89	1	2780m	278m	27.8m	2430g	243g	24.3g
		6700km	670km	67km	3000p	300p	30p
		£43,000	£4300	£430	680g	68g	6.8g
		4060g	406g	40.6g	7500m	750m	75m
		9000p	900p	90p	£6000	£600	£60
	2a	0.87					
	2b	9.2					
	2c	3.6					
	2d	41.0					
	2e	8.97					
	2f	2.83					
	2g	0.8					
	2h	0.14					
	2i	70.1					
	2j	0.69					
	3	65 = 0.65		250 = 2.5			
		2680 = 26.8		3870 = 38.7			
		1500 = 15		40 = 0.4			
		3000 = 30		72,000 = 720			
	4a	3.86 is 100 times smaller than 386					
	4b	452 is 10 times smaller than 4520					
	4c	$\frac{1}{10}$ of 365 = 36.5					
4d	$\frac{1}{10}$ of 43 = 4.3						
4e	$\frac{1}{100}$ of 365 = 3.65						
4f	$\frac{1}{100}$ of 43 = 0.43						
4g	£24.80 was spent on ingredients.						
4h	Peter saved £8.64.						
4i	Oscar walked 26.5 l m; 0.0265 l km.						

Page number	Question number	Answers
<b>90</b>	1a	£4
	1b	£10
	1c	£10
	1d	£1
	2a	4 hours
	2b	10 litres
	2c	6m
	2d	122 hours
	2e	26cm
	2f	£2.00
	2g	2 hours
	2h	8 litres
	3	42, 45, 47, 50
	4	Blackpool Tower = 158m Big Ben = 96m London Eye = 135m Humber Bridge = 164m
<b>91</b>	1	5.1 5.3 5.5 5.7 5.9 6.2
	2	£0.99 £1.99 £9.09 £9.45 £9.99 £99.99
	3	1.57 2.75 3.35 3.52 4.25 5.94
	4	4.95kg 5kg 5.05kg 5.45kg 6.05kg 575kg
	5	31cm 2.01m 214cm 4.4m 5.44m 7.19m
	6	2.43 3.33 3.43 4.34 4.47 5.34
<b>92</b>	1	10 millimetres = 1 centimetre 100 centimetres = 1 metre 1000 metres = 1 kilometre
	2a	2
	2b	0.1
	2c	300
	2d	0.2
	2e	700
	2f	450
	2g	6000
	2h	800
	2i	40
	2j	3.5
<b>93</b>	1	The shortest distance: 120cm > 8m > 2m > 500cm > 420cm > 345cm > 320cm = 2705cm

Page number	Question number	Answers																				
94	1	A = 152cm B = 2900m C = 20,000m D = 157cm E = 244m F = 3357m																				
95	1	45m																				
	2	$(8 \times 14.5) - (2 \times 1.25) = 116 - 2.5 = 113.5\text{m}^2$																				
96	1	7.5																				
	2	5																				
	3	8																				
	4	12.7																				
	5	6.8																				
	6	4.5																				
	7	10.2																				
	8	7																				
97	1	Check children's drawings.																				
	2a	0.565kg																				
	2b	0.342kg																				
	2c	0.75kg																				
	2d	1.85kg																				
98	1	Answers will vary; check children's measurements.																				
	2	Answers will vary.																				
99	1	<table border="1"> <tbody> <tr> <td>12.13</td> <td></td> <td>5.42</td> <td></td> </tr> <tr> <td>9.08</td> <td></td> <td>11.59</td> <td></td> </tr> <tr> <td>6.27</td> <td></td> <td>4.24</td> <td></td> </tr> <tr> <td>7.36</td> <td></td> <td>6.23</td> <td></td> </tr> <tr> <td>3.41</td> <td></td> <td>2.07</td> <td></td> </tr> </tbody> </table>	12.13		5.42		9.08		11.59		6.27		4.24		7.36		6.23		3.41		2.07	
		12.13		5.42																		
		9.08		11.59																		
		6.27		4.24																		
		7.36		6.23																		
3.41		2.07																				

Page number	Question number	Answers
100	1	300 seconds
	2	230 minutes
	3	750 minutes
101	1	6
	2a	£15.25
	2b	£10.75
	2c	£7.50
	3a	£5.68
	3b	£0.32 or 32p
102	1	1.04m
	2	80cm or 0.8m
	3	310cm or 3.1m
	4	25cm
103	1	500cm or 5m
	2	32 rulers
	3	46m
104	1	
	2	The two rhombuses and the square should be ticked.
	3	<p>The two rhombuses are also parallelograms, since they have two pairs of parallel sides and opposite sides and angles equal.</p> <p>The square should also be ticked since squares are both parallelograms and rhombuses: two pairs of parallel sides and all sides and angles equal.</p>
105	1	Check children's drawings.
	2	Answers will vary.

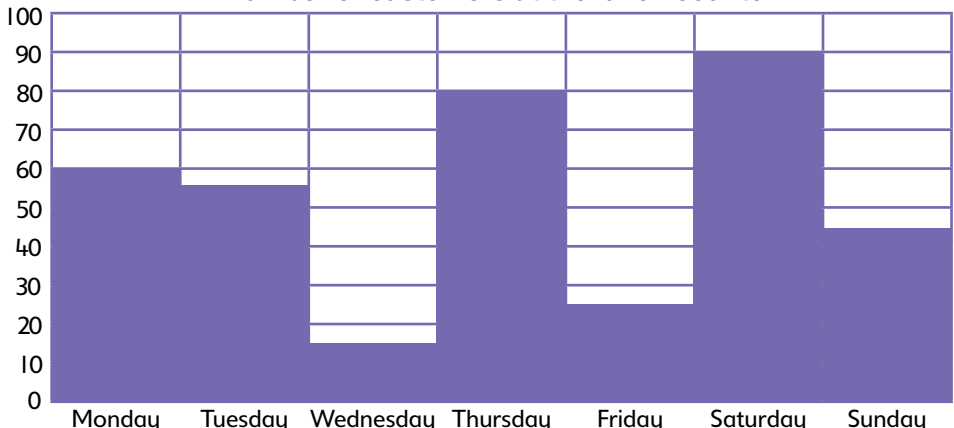


Page number	Question number	Answers									
106	1	<table border="1"> <thead> <tr> <th></th> <th>Right-angled triangle</th> <th>Not a right-angled triangle</th> </tr> </thead> <tbody> <tr> <th>Isosceles triangle</th> <td>F</td> <td>B, C, E</td> </tr> <tr> <th>Not an isosceles triangle</th> <td>A, D</td> <td></td> </tr> </tbody> </table>		Right-angled triangle	Not a right-angled triangle	Isosceles triangle	F	B, C, E	Not an isosceles triangle	A, D	
			Right-angled triangle	Not a right-angled triangle							
		Isosceles triangle	F	B, C, E							
	Not an isosceles triangle	A, D									
2a	A scalene triangle does not have any sides or angles that are equal.										
2b	An equilateral triangle has all its sides and angles equal.										
107	1	Check children's drawings.									
	2	Answers will vary.									
108	1										

Page number	Question number	Answers			
109	1	Shape	Regular or irregular shape?	Name of shape	Number of lines of symmetry
		1	Regular	Square	4
		2	Regular	Regular hexagon	6
		3	Regular	Equilateral triangle	3
		4	Regular	Regular pentagon	5
		5	Irregular	Trapezium	1
		6	Irregular	Irregular hexagon	2
		7	Irregular	Oblong or rectangle	2
		8	Irregular	Irregular pentagon	0
		9	Irregular	Irregular quadrilateral or inverted kite	1
		10	Irregular	Parallelogram	0
		11	Irregular	Irregular hexagon	2
12	Irregular	Irregular pentagon	1		

Page number	Question number	Answers
110	1	
	2	
111	1	
	2	Check children's drawings.
	3	Right angle would fit after angle labelled 3. Half a right angle fits after angle labelled 1. Half of $360^\circ$ fits after angle labelled 6.
112	1	Check children's drawings.
	2	Check children's drawings.
113	1	Check children's drawings.

Page number	Question number	Answers
114	1	
115	1	Answers will vary.
116	1	
	2a	Check children's drawings.
	2b	Shape A: (4, 1); (6, 5); (12,5); (12, 1) Shape B: (10, 3); (10, 7); (12, 7); (14, 3)
117	1	Answers will vary; check children's drawings.
	2	Answers will vary; check children's drawings.
	3	Answers will vary; check children's drawings.
118	1	east 7, south 1 or south 1, east 7
	2	west 1, north 2 or north 2, west 1
	3	north 2, east 7 or east 7, north 2
	4	Answers will vary.
119	1	Right
	2	Left
	3	Up
	4	Down

Page number	Question number	Answers																
<b>120</b>	1	100																
	2	Wednesday																
	3	Thursday																
	4	30																
	5	Answers will vary.																
	6	9																
<b>121</b>	1	<p style="text-align: center;"><b>Number of customers at the lunch counter</b></p>  <table border="1"> <caption>Data for Number of customers at the lunch counter</caption> <thead> <tr> <th>Day</th> <th>Number of customers</th> </tr> </thead> <tbody> <tr> <td>Monday</td> <td>60</td> </tr> <tr> <td>Tuesday</td> <td>55</td> </tr> <tr> <td>Wednesday</td> <td>15</td> </tr> <tr> <td>Thursday</td> <td>80</td> </tr> <tr> <td>Friday</td> <td>25</td> </tr> <tr> <td>Saturday</td> <td>90</td> </tr> <tr> <td>Sunday</td> <td>45</td> </tr> </tbody> </table>	Day	Number of customers	Monday	60	Tuesday	55	Wednesday	15	Thursday	80	Friday	25	Saturday	90	Sunday	45
	Day	Number of customers																
	Monday	60																
	Tuesday	55																
	Wednesday	15																
Thursday	80																	
Friday	25																	
Saturday	90																	
Sunday	45																	
2	Saturday																	
3	Wednesday																	
4	Tuesday and Saturday																	
5	135																	
<b>122</b>	1	4.3kg																
	2	2.5kg																
	3	Birth to 1 month and 1 month to 2 months: both 0.9kg																
	4	5 months to 6 months: 0.4kg																
	5	3.9kg																
	6	Answers will vary.																
<b>123</b>	1	Check children's drawing.																
	2	Week of 15 May – 22 May																
	3	Week beginning 8 May – 15 May																
	4	35cm																
<b>124</b>	1	Children should have added symbols that show 20 people.																
	2	Check children's drawing of pictogram.																
<b>125</b>	1	Check children's drawing of graph.																