Answers to Scholastic National Curriculum Maths Practice Book for Year 3

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	1	One of the following, depending on start number chosen: 0, 3, 6, 9, 12, 15, 18, 21, 24, 27 1, 4, 7, 10, 13, 16, 19, 22, 25, 28 2, 5, 8, 11, 14, 17, 20, 23, 26, 29
	2	One of the following, depending on start number chosen: 0, 4, 8, 12, 16, 20, 24, 28, 32, 36 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 2, 6, 10, 14, 18, 22, 26, 30, 34, 38 3, 7, 11, 15, 19, 23, 27, 31, 34, 39
	3	One of the following, depending on start number chosen: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45 1, 6, 11, 16, 21, 26, 31, 36, 41, 46 2, 7, 12, 17, 22, 27, 32, 37, 42, 47 3, 8, 13, 18, 23, 28, 33, 38, 43, 48 4, 9, 14, 19, 24, 29, 34, 39, 44, 49
7	1	0, 8, 16, 24, 32, 40, 48, 56, 64, 72 1, 9, 17, 25, 33, 41, 49, 57, 65, 73 2, 10, 18, 26, 34, 42, 50, 58, 66, 74 3, 11, 19, 27, 35, 43, 51, 59, 67, 75 5, 13, 21, 29, 37, 45, 53, 61, 69, 77
	2	6, 14, 22, 30, 38, 46, 54, 62, 70, 78 8, 16, 24, 32, 40, 48, 56, 64, 72, 80 9, 17, 25, 33, 41, 49, 57, 65, 73, 81 13, 21, 29, 37, 45, 53, 61, 69, 77, 85 20, 28, 36, 44, 52, 60, 68, 76, 84, 92

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="13">8</td><td>1a</td><td>400</td></tr>
<tr><td>1b</td><td>1s are the same</td></tr>
<tr><td>2a</td><td>600</td></tr>
<tr><td>2b</td><td>1s are the same</td></tr>
<tr><td>3a</td><td>400</td></tr>
<tr><td>3b</td><td>100s and 10s change</td></tr>
<tr><td>4a</td><td>100</td></tr>
<tr><td>4b</td><td>100s and 10s change</td></tr>
<tr><td>5a</td><td>250</td></tr>
<tr><td>5b</td><td>100s and 10s change</td></tr>
<tr><td>6a</td><td>500</td></tr>
<tr><td>6b</td><td>100s and 10s change</td></tr>
<tr><td rowspan="12">9</td><td>1a</td><td>290</td></tr>
<tr><td>1b</td><td>1s are the same</td></tr>
<tr><td>2a</td><td>577</td></tr>
<tr><td>2b</td><td>1s are the same</td></tr>
<tr><td>3a</td><td>253</td></tr>
<tr><td>3b</td><td>1s are the same</td></tr>
<tr><td>4a</td><td>648</td></tr>
<tr><td>4b</td><td>100s change</td></tr>
<tr><td>5a</td><td>956</td></tr>
<tr><td>5b</td><td>100s change</td></tr>
<tr><td>6a</td><td>45</td></tr>
<tr><td>6b</td><td>100s change</td></tr>
<tr><td rowspan="3">10</td><td>1</td><td>
<table>
<tr><th>Number</th><th>100s</th><th>10s</th><th>1s</th></tr>
<tr><td>649</td><td>600</td><td>40</td><td>9</td></tr>
<tr><td>333</td><td>300</td><td>30</td><td>3</td></tr>
<tr><td>509</td><td>500</td><td>0</td><td>9</td></tr>
<tr><td>590</td><td>500</td><td>90</td><td>0</td></tr>
<tr><td>950</td><td>900</td><td>50</td><td>0</td></tr>
<tr><td>905</td><td>900</td><td>0</td><td>5</td></tr>
<tr><td>237</td><td>200</td><td>30</td><td>7</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>Answers will vary.</td></tr>
<tr><td>3</td><td>Answers will vary.</td></tr>
</table>

Page number	Question number	Answers
11	1	963 = 800 + 163 963 = 700 + 263 963 = 600 + 363 963 = 500 + 463 963 = 400 + 563 963 = 300 + 663 963 = 200 + 763 963 = 100 + 863 Sentence to show understanding that the number is recombined and that the hundreds number before the addition sign decreases by 100 and after the sign increases by 100 to make 963.
	2	743 = 200 + 543 743 = 300 + 443 743 = 400 + 343 743 = 500 + 243 743 = 600 + 143 743 = 700 + 43 Sentence to show understanding that the number is recombined and that the hundreds number before the addition sign increases by 100 and after the sign decreases by 100 to make 743.
	3	600 + 10 + 2 Accept any combination of 100s, 10s and 1s that make 612.
12	1	16 + 8 = **24** 16 + 18 = **34** 16 + 28 = **44** 93 – 7 = **86** 93 – 17 = **76** 93 – 27 = **66** 24 + 7 = **31** 24 + 17 = **41** 24 + 27 = **51**
	2	16 + **38** = **54** 16 + **48** = **64** 16 + **58** = **74** 16 + **68** = **84** 16 + **78** = **94** 16 + **88** = **104** 93 – **37** = **56** 93 – **47** = **46** 93 – **57** = **36** 93 – **67** = **26** 93 – **77** = **16** 93 – **87** = **6** 24 + **37** = **61** 24 + **47** = **71** 24 + **57** = **81** 24 + **67** = **91** 24 + **77** = **101** 24 + **87** = **111**

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="2">13</td><td>1</td><td>18 = 118
232 = 332
147 = 247
523 = 623</td></tr>
<tr><td>2</td><td>
<table>
<tr><th>200 less ← </th><th>Starting number</th><th> → 200 more</th></tr>
<tr><td>162</td><td>362</td><td>562</td></tr>
<tr><td>559</td><td>759</td><td>959</td></tr>
<tr><td>394</td><td>594</td><td>794</td></tr>
<tr><td>631</td><td>831</td><td>1031</td></tr>
</table>
</td></tr>
<tr><td rowspan="5">14</td><td>1a</td><td>156, 165, 516, 561, 615, 651</td></tr>
<tr><td>1b</td><td>831, 879, 887, 897, 901, 910</td></tr>
<tr><td>1c</td><td>497, 499, 500, 501, 504, 516</td></tr>
<tr><td>2</td><td>Answers will vary. For example: 458, 548, 854</td></tr>
<tr><td>3</td><td>Answers will vary based on question 2.</td></tr>
<tr><td rowspan="6">15</td><td>1a</td><td>963</td></tr>
<tr><td>1b</td><td>369</td></tr>
<tr><td>2a</td><td>752</td></tr>
<tr><td>2b</td><td>257</td></tr>
<tr><td>3a</td><td>976</td></tr>
<tr><td>3b</td><td>235</td></tr>
<tr><td rowspan="4">16</td><td>1</td><td>One hundred and sixty-seven = 167
Four hundred and ninety = 490
Nine hundred and ninety-nine = 999
Seven hundred and sixty-five = 765
Six hundred and twenty-two = 622
Fifty-six = 56
Two hundred and thirty = 230
Two hundred and three = 203
Eight hundred and ninety-nine = 899
One hundred = 100</td></tr>
<tr><td>2</td><td>Answers will vary.</td></tr>
<tr><td>3</td><td>Answers will vary.</td></tr>
<tr><td>4</td><td>Answers will vary.</td></tr>
<tr><td rowspan="3">17</td><td>1</td><td>10 answers from the following lists:
Odd – 45, 47, 49, 57, 59, 65, 67, 69, 75, 79, 85, 87, 89, 95, 97
Even – 46, 48, 54, 56, 58, 64, 68, 74, 76, 78, 84, 86, 94, 96, 98</td></tr>
<tr><td>2</td><td>Answers will vary based on answer to question 1. For example, 98</td></tr>
<tr><td>3</td><td>Answers will vary based on answer to question 1. For example, 45</td></tr>
</table>

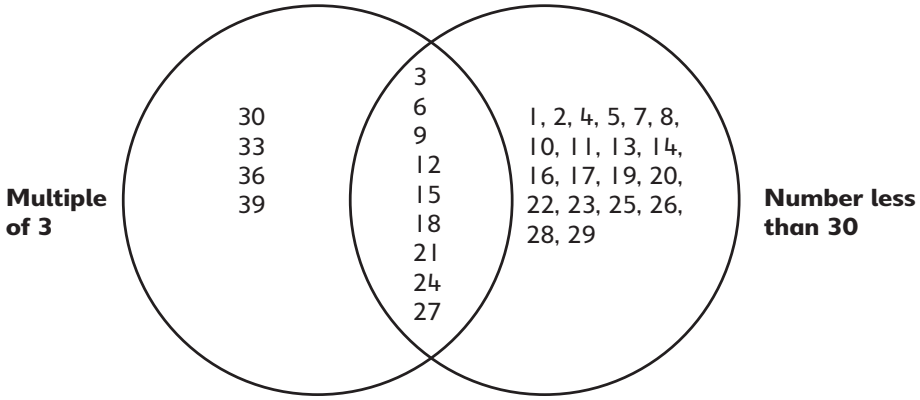
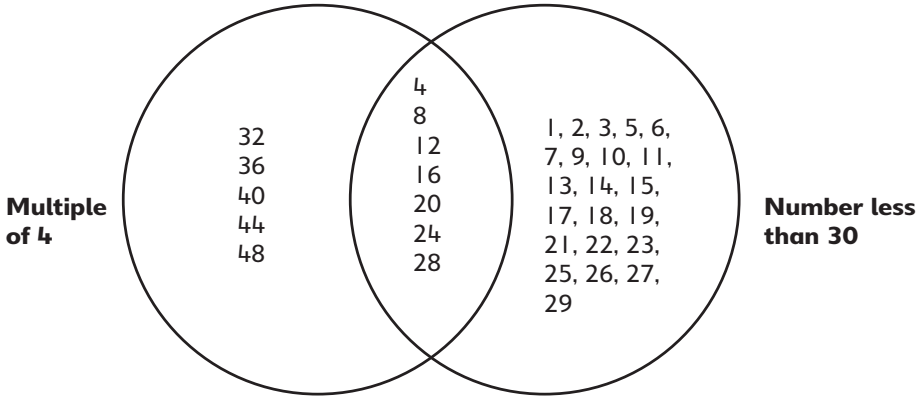
Page number	Question number	Answers
18	1a	40km, 80km, 20km, 70km
	1b	110 mins, 130 mins, 100 mins, 120 mins
	2a	300
	2b	800
	2c	400, 500
	2d	700
	3b	47, 50
	3c	84, 80
	3d	104, 100
	3e	81, 80
	3f	86, 90
	3g	68, 70
	3h	180, 180
19	1b	20, 16
	1c	70, 66
	1d	30, 31
	1e	70, 71
	1f	60, 61
	1g	30, 33
	1h	20, 21
	1i	110, 110
	1j	150, 149
	2	22m ticked
	3	5, 10, 80
20	1	Yes.
	2	2 × 30 is 60 and it is also an even number; 3 × 20 is 60; 4 × 15 is 60; 5 × 12 is 60 and it also ends in 0; 6 × 10 is 60; 10 × 6 is 60 and it also ends in 0.
21	1	Bella Rings, Neal Down, Penny Chews, Ray Gunn, Stan Dupp
	2	20, 29
	3	429
22	1	Accept any suitable answer. Examples could include 14 + 3, 9 + 8, 12 + 5, 20 – 3, 20 – 3, 19 – 2
	2	1 + 19, 2 + 18, 3 + 17, 4 + 16, 5 + 15, 6 + 14, 7 + 13, 8 + 12, 9 + 11, 10 + 10 – accept numbers in either order.
23	1	8 + 92 = 100, 11 + 89 = 100, 15 + 85 = 100, 16 + 84 = 100, 22 + 78 = 100, 31 + 69 = 100, 36 + 64 = 100, 38 + 62= 100, 44 + 56 = 100, 49 + 51 = 100
	2a	33 stamps
	2b	28p

Page number	Question number	Answers	
24	1a	61	
	1b	81	
	1c	101	
	1d	43	
	1e	75	
	1f	84	
	1g	85	
	1h	52	
	1i	40	
	1j	102	
	2	Answers will vary.	
	3	Answers will vary.	
25	1	75 (56 + 19)	86 (65 +21) (57 +29)
		58 (29 + 29)	93 (62 + 31)
		64 (45 + 19)	63 (34 + 29)
		49 (28 + 21)	100 (69 + 31)
		73 (52 + 21)	81 (62 +19) (52 + 29)
26	1a	11	
	1b	71	
	1c	81	
	1d	23	
	1e	43	
	1f	35	
	1g	101	
	1h	27	
	1i	33	
	2a	150cm or 1.5m	
	2b	170kg	
	2c	110p or £1.10	
	2d	90kg	
	3a	21 biscuits	
	3b	29 rulers	
	3c	48	

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td>27</td><td>1</td><td>
<table>
<tr><th>Question</th><th>Answer</th><th>Counting on</th><th>Add and adjust</th><th>Using doubles</th></tr>
<tr><td>45 + 19</td><td>64</td><td></td><td>✓</td><td></td></tr>
<tr><td>78 + 6</td><td>84</td><td>✓</td><td></td><td></td></tr>
<tr><td>34 + 35</td><td>69</td><td></td><td></td><td>✓</td></tr>
<tr><td>49 + 30</td><td>79</td><td></td><td>✓</td><td></td></tr>
<tr><td>60 + 29</td><td>89</td><td></td><td>✓</td><td></td></tr>
<tr><td>84 + 9</td><td>93</td><td></td><td>✓</td><td></td></tr>
<tr><td>26 + 25</td><td>51</td><td></td><td></td><td>✓</td></tr>
<tr><td>27 + 7</td><td>34</td><td>✓</td><td></td><td></td></tr>
<tr><td>41 + 42</td><td>83</td><td></td><td></td><td>✓</td></tr>
<tr><td>94 + 7</td><td>101</td><td>✓</td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td rowspan="3">28</td><td>1</td><td>Answers will vary.</td></tr>
<tr><td>2</td><td>Answers will vary.</td></tr>
<tr><td>3</td><td>Answers will vary.</td></tr>
<tr><td>29</td><td></td><td>Answers are:
81 animals
104
186p or £1.86
8
27</td></tr>
<tr><td rowspan="10">30</td><td>1a</td><td>81</td></tr>
<tr><td>1b</td><td>37</td></tr>
<tr><td>1c</td><td>152</td></tr>
<tr><td>1d</td><td>17</td></tr>
<tr><td>1e</td><td>171</td></tr>
<tr><td>1f</td><td>35</td></tr>
<tr><td>1g</td><td>180</td></tr>
<tr><td>1h</td><td>88</td></tr>
<tr><td>1i</td><td>237</td></tr>
<tr><td>1j</td><td>245</td></tr>
</table>

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="2">31</td><td>1</td><td>Either strategy could be used.<table><tr><th>Question</th><th>Answer</th></tr><tr><td>9 + 5 + 6 + 4</td><td>24</td></tr><tr><td>6 + 8 + 4 + 7</td><td>25</td></tr><tr><td>5 + 9 + 8 + 4</td><td>26</td></tr><tr><td>17 + 4 + 8 + 3</td><td>32</td></tr><tr><td>15 + 8 + 5 + 9</td><td>37</td></tr><tr><td>13 + 5 + 7 + 8</td><td>33</td></tr></table></td></tr>
<tr><td>2</td><td>Answers will vary. Examples could include
13 + 7 + 2 + 8, 9 + 8 + 7 + 6, 10 + 9 + 6 + 5</td></tr>
<tr><td>32</td><td></td><td>Estimate: 80, Answer: 81
Estimate: 90, Answer: 93
Estimate: 70, Answer: 65
Estimate: 70, Answer: 71
Estimate: 50, Answer: 47</td></tr>
<tr><td rowspan="2">33</td><td>1</td><td>64
76
37
29
30
87
97
36
49
87</td></tr>
<tr><td>2</td><td>Answers will vary.</td></tr>
<tr><td>34</td><td>1</td><td>333
623
377</td></tr>
<tr><td>35</td><td>1</td><td>377 children
£267
599cm
401 miles
742 parcels
660 books</td></tr>
</table>

Page number	Question number	Answers
36	1a	200 and 30 and 4 100 and 20 and 3 = 111
	1b	600 and 80 and 7 300 and 60 and 3 = 324
	1c	500 and 90 and 6 200 and 40 and 5 = 351
	1d	600 and 20 and 7 400 and 0 and 2 = 225
37	1	207, 374 149, 374
	2	326, 248 485, 356
38–39	1	34 marbles
	2	6 toffees
	3	70 cars
	4	10p
	5	10p
	6	40 books
40	1	79 balls 75 children 39 children 31 parents 7 are male 36 boys
41	1a	65
	1b	50
	1c	40 57
	1d	57
42–43	1	4, 18, 36, 88, 102, 654, 748
	2	5, 25, 65, 80, 315, 450, 900
	3	20, 80, 100, 120, 870
	4	2, 4, 6, 8, 0
	5	5, 0
	6	The 1s digit is a 0
	7	Answers will vary. Examples could include 10, 20 or 100
	8	20 ÷ 2 = 10, 20 ÷ 5 = 4, 20 ÷ 10 = 2, 20 ÷ 4 = 5.
	9	No
	10	2 × 5 = 10, 5 × 2 = 10, 10 ÷ 5 = 2, 10 ÷ 2 = 5
	11	176, 275

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="2">44</td><td>1</td><td>3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39
 
</td></tr>
<tr><td>2</td><td>4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48
 
</td></tr>
<tr><td>45</td><td>4</td><td><table>
<tr><th></th><th>Multiple of 4</th><th>Not a multiple of 4</th></tr>
<tr><td>Multiple of 3</td><td>12, 24, 36</td><td>3, 6, 9, 15, 18, 21, 27, 30, 33, 39</td></tr>
<tr><td>Not a multiple of 3</td><td>4, 8, 16, 20, 28, 32, 40</td><td>1, 2, 5, 7, 10, 11, 13, 14, 17, 19, 22, 23, 25, 26, 29, 31, 34, 35, 37, 38</td></tr>
</table></td></tr>
<tr><td rowspan="10">46</td><td>1a</td><td>48</td></tr>
<tr><td>1b</td><td>72</td></tr>
<tr><td>1c</td><td>32</td></tr>
<tr><td>1d</td><td>24</td></tr>
<tr><td>1e</td><td>64</td></tr>
<tr><td>1f</td><td>16</td></tr>
<tr><td>1g</td><td>80</td></tr>
<tr><td>2</td><td>48 legs = 6 spiders
64 legs = 8 spiders
32 legs = 4 spiders
80 legs = 10 spiders
16 legs = 2 spiders</td></tr>
<tr><td>3</td><td>even</td></tr>
</table>

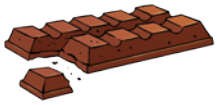
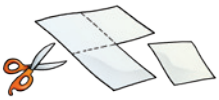
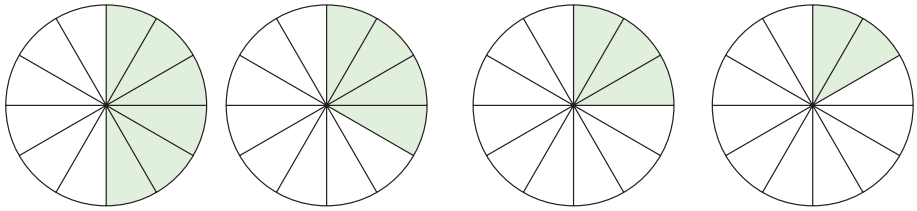
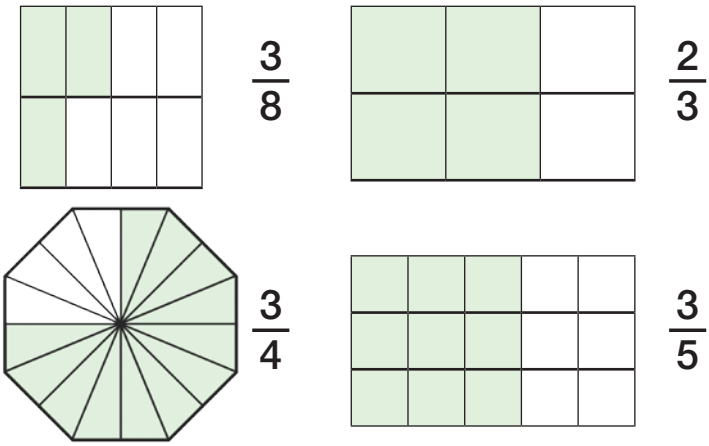
<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="2">47</td><td>1</td><td>
<table>
<tr><th></th><th>Multiple of 8</th><th>Not a multiple of 8</th></tr>
<tr><td>Multiple of 2</td><td>24, 48, 56, 64, 72, 80</td><td>4, 12, 18, 26, 44, 50, 68</td></tr>
<tr><td>Not a multiple of 2</td><td></td><td>35, 37, 49</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>Numbers that are multiples of 8 but not multiples of 2.
Accept any explanation that shows understanding that all multiples of 8 are even numbers/also multiples of 2.</td></tr>
<tr><td rowspan="12">48–49</td><td>1</td><td>6 × 3 = 18 hair ties</td></tr>
<tr><td>2</td><td>5 × 6 = 30p</td></tr>
<tr><td>3</td><td>4 × 8 = 32 cakes</td></tr>
<tr><td>4</td><td>7 × 6 = 42 felt-tipped pens</td></tr>
<tr><td>5</td><td>6 × 9 = 54 oranges</td></tr>
<tr><td>6</td><td>8 × 5 = 40 eggs</td></tr>
<tr><td>7</td><td>24 ÷ 4 = 6 bulbs</td></tr>
<tr><td>8</td><td>24 ÷ 3 = 8 flowers</td></tr>
<tr><td>9</td><td>42 ÷ 6 = 7 boxes</td></tr>
<tr><td>10</td><td>90 ÷ 10 = 9 pens</td></tr>
<tr><td>11</td><td>36 ÷ 4 = 9 tables</td></tr>
<tr><td>12</td><td>6 × 5 = 30 children</td></tr>
<tr><td>50</td><td>1–3</td><td>
<table>
<tr><th>Multiplication</th><th>Multiplication</th><th>Division</th><th>Division</th></tr>
<tr><td>5 × 4 = 20</td><td>4 × 5 = 20</td><td>20 ÷ 5 = 4</td><td>20 ÷ 4 = 5</td></tr>
<tr><td>6 × 3 = 18</td><td>3 × 6 = 18</td><td>18 ÷ 3 = 6</td><td>18 ÷ 6 = 3</td></tr>
<tr><td>3 × 8 = 24</td><td>8 × 3 = 24</td><td>24 ÷ 3 = 8</td><td>24 ÷ 8 = 3</td></tr>
<tr><td>5 × 6 = 30</td><td>6 × 5 = 30</td><td>30 ÷ 5 = 6</td><td>30 ÷ 6 = 5</td></tr>
<tr><td>9 × 10 = 90</td><td>10 × 9 = 90</td><td>90 ÷ 10 = 9</td><td>90 ÷ 9 = 10</td></tr>
</table>
</td></tr>
<tr><td rowspan="10">51</td><td>1a</td><td>eight, eight</td></tr>
<tr><td>1b</td><td>3, 3</td></tr>
<tr><td>1c</td><td>28, 4</td></tr>
<tr><td>1d</td><td>thirty-two, thirty-two</td></tr>
<tr><td>2a</td><td>7, 21, 21</td></tr>
<tr><td>2b</td><td>8, 16, 2</td></tr>
<tr><td>2c</td><td>60, 10, 6</td></tr>
<tr><td rowspan="2">3</td><td>7 × 5 = 35 35 ÷ 7 = 5</td></tr>
<tr><td>5 × 7 = 35 35 ÷ 5 = 7</td></tr>
</table>

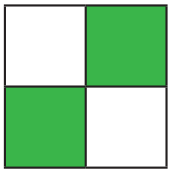
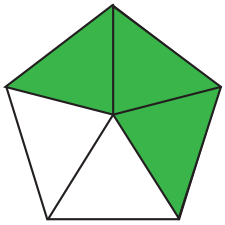
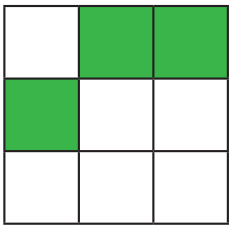
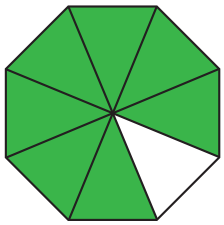
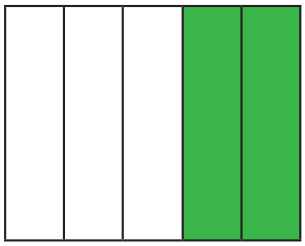
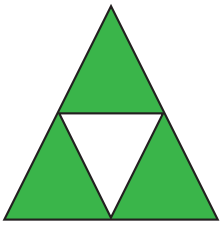
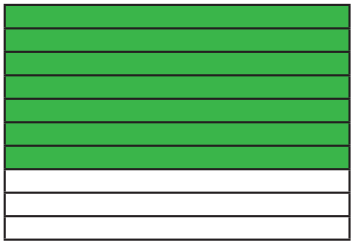
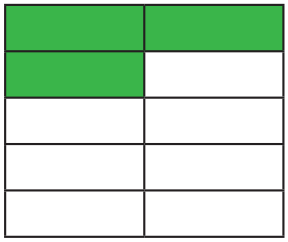
<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td>52</td><td>1–4</td><td>Answers will vary.
Examples could include:
<table>
<tr><th>Grid number</th><th>Row number</th><th>Number sentence</th><th>Jottings</th><th>Answer</th></tr>
<tr><td>11</td><td>3</td><td>11 × 5</td><td>10 × 5 (50) and 1 × 5 (5)</td><td>55</td></tr>
<tr><td>16</td><td>6</td><td>16 × 6</td><td>10 × 6 (60) and 6 × 6 (36)</td><td>96</td></tr>
<tr><td>13</td><td>4</td><td>13 × 4</td><td>10 × 4 (40) and 3 × 4 (12)</td><td>52</td></tr>
</table></td></tr>
<tr><td rowspan="6">53</td><td>1a</td><td>43 × 2 = 86</td></tr>
<tr><td>1b</td><td>23 × 2 = 46</td></tr>
<tr><td>1c</td><td>24 × 3 = 72</td></tr>
<tr><td>1d</td><td>48 × 2 = 96</td></tr>
<tr><td>1e</td><td>14 × 3 = 42</td></tr>
<tr><td>1f</td><td>26 × 4 = 104</td></tr>
<tr><td rowspan="10">54–55</td><td>1a</td><td>64</td></tr>
<tr><td>1b</td><td>165</td></tr>
<tr><td>1c</td><td>192</td></tr>
<tr><td>1d</td><td>225</td></tr>
<tr><td>1e</td><td>124</td></tr>
<tr><td>1f</td><td>288</td></tr>
<tr><td>1g</td><td>320</td></tr>
<tr><td>1h</td><td>261</td></tr>
<tr><td>2</td><td>Answers will vary.
Examples could include 27 × 3 = 81, 36 × 5 = 180, 49 × 2 = 98, 58 × 8 = 464, 64 × 4 = 256, 73 × 10 = 730</td></tr>
<tr><td rowspan="5">56</td><td>1a</td><td>24 ÷ 3 = 8</td></tr>
<tr><td>1b</td><td>30 ÷ 5 = 6</td></tr>
<tr><td>1c</td><td>14 ÷ 2 = 7</td></tr>
<tr><td>1d</td><td>24 ÷ 4 = 6</td></tr>
<tr><td>1e</td><td>30 ÷ 10 = 3</td></tr>
</table>

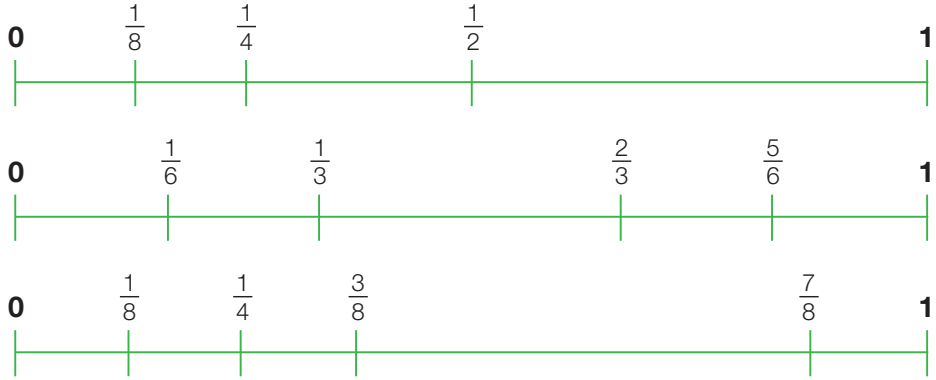
<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="17">57</td><td>1a</td><td>6</td></tr>
<tr><td>1b</td><td>5</td></tr>
<tr><td>1c</td><td>7</td></tr>
<tr><td>1d</td><td>4</td></tr>
<tr><td>1e</td><td>13</td></tr>
<tr><td>1f</td><td>9</td></tr>
<tr><td>1g</td><td>7</td></tr>
<tr><td>1h</td><td>12</td></tr>
<tr><td>1i</td><td>9</td></tr>
<tr><td>2a</td><td>eight groups</td></tr>
<tr><td>2b</td><td>eight</td></tr>
<tr><td>2c</td><td>nine</td></tr>
<tr><td>3a</td><td>4cm</td></tr>
<tr><td>3b</td><td>3 hours</td></tr>
<tr><td>3c</td><td>10km</td></tr>
<tr><td>3d</td><td>9g</td></tr>
<tr><td>3e</td><td>£12</td></tr>
<tr><td>3f</td><td>2kg</td></tr>
<tr><td rowspan="10">58–59</td><td>1a</td><td>21</td></tr>
<tr><td>1b</td><td>15</td></tr>
<tr><td>1c</td><td>32</td></tr>
<tr><td>1d</td><td>15</td></tr>
<tr><td>1e</td><td>24</td></tr>
<tr><td>1f</td><td>17</td></tr>
<tr><td>1g</td><td>19</td></tr>
<tr><td>1h</td><td>36</td></tr>
<tr><td>2</td><td>86 ÷ 2 = 43
72 ÷ 4 = 18
65 ÷ 5 = 13
96 ÷ 8 = 12
75 ÷ 3 = 25</td></tr>
<tr><td rowspan="2">60</td><td>1</td><td>
<table>
<tr><th>Start number</th><th>× 10</th><th>× 100</th></tr>
<tr><td>5</td><td>50</td><td>500</td></tr>
<tr><td>8</td><td>80</td><td>800</td></tr>
<tr><td>4</td><td>40</td><td>400</td></tr>
<tr><td>9</td><td>90</td><td>900</td></tr>
<tr><td>7</td><td>70</td><td>700</td></tr>
<tr><td>1</td><td>10</td><td>100</td></tr>
<tr><td>10</td><td>100</td><td>1000</td></tr>
<tr><td>30</td><td>300</td><td>3000</td></tr>
<tr><td>80</td><td>800</td><td>8000</td></tr>
<tr><td>90</td><td>900</td><td>9000</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>Answers will vary.</td></tr>
</table>

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="10">61</td><td>1a</td><td>30</td></tr>
<tr><td>1b</td><td>700</td></tr>
<tr><td>1c</td><td>250</td></tr>
<tr><td>1d</td><td>500</td></tr>
<tr><td>1e</td><td>6</td></tr>
<tr><td>1f</td><td>5</td></tr>
<tr><td>1g</td><td>80</td></tr>
<tr><td>1h</td><td>9</td></tr>
<tr><td>1i</td><td>4</td></tr>
<tr><td>1j</td><td>800</td></tr>
<tr><td rowspan="3">62</td><td>1</td><td>
<table>
<tr><th>Number</th><th>Number multiplied by 10</th><th>Number multiplied by 100</th><th>Can you predict multiplied by 1000?</th></tr>
<tr><td>3</td><td>30</td><td>300</td><td>3000</td></tr>
<tr><td>8</td><td>80</td><td>800</td><td>8000</td></tr>
<tr><td>20</td><td>200</td><td>2000</td><td>20000</td></tr>
<tr><td>32</td><td>320</td><td>3200</td><td>32000</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>
<table>
<tr><th>Number</th><th>Number multiplied by 10</th><th>Number multiplied by 100</th></tr>
<tr><td>2</td><td>20</td><td>200</td></tr>
<tr><td>43</td><td>430</td><td>4300</td></tr>
<tr><td>67</td><td>670</td><td>6700</td></tr>
<tr><td>480</td><td>4800</td><td>480000</td></tr>
</table>
</td></tr>
<tr><td>3</td><td>
<table>
<tr><th>Number</th><th>Number multiplied by 10</th><th>Number multiplied by 100</th></tr>
<tr><td>17</td><td>170</td><td>1700</td></tr>
<tr><td>42</td><td>420</td><td>4200</td></tr>
<tr><td>62</td><td>620</td><td>6200</td></tr>
<tr><td>30</td><td>300</td><td>3000</td></tr>
<tr><td>54</td><td>540</td><td>5400</td></tr>
</table>
</td></tr>
<tr><td rowspan="9">63</td><td>1a</td><td>6, 60</td></tr>
<tr><td>1b</td><td>4, 60</td></tr>
<tr><td>1c</td><td>40, 400</td></tr>
<tr><td>1d</td><td>8, 40</td></tr>
<tr><td>1e</td><td>350</td></tr>
<tr><td>1f</td><td>480</td></tr>
<tr><td>1g</td><td>450p or £4.50</td></tr>
<tr><td>1h</td><td>240mm</td></tr>
<tr><td>1i</td><td>140p or £1.40</td></tr>
</table>

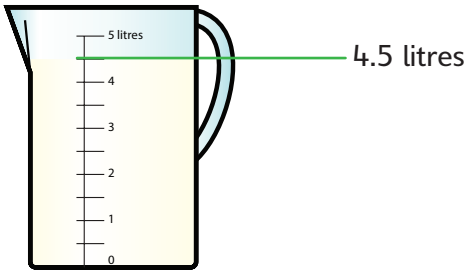
Page number	Question number	Answers
64	1b	30, 15
	1c	28, 14
	1d	18, 9
	1e	36, 18
	1f	32, 16
	2a	24
	2b	12
	2c	34
	2d	17
	2e	26
	2f	13
	2g	38
	2h	19
	3	Answers will vary.
65	1	Triangle with 6 at centre – 24, 48 Triangle with 7 at centre – 14, 28
	2	12 12 7 7 24 6 7 14 48 24 7 28
	3	Answers will vary.
66–67	1	60 ÷ 5 = 12 35 × 3 = 105 75 ÷ 5 = 15 64 × 5 = 320
	2	5 × 14 = 70 12 + 14 = 26 ÷ 6 = 4 remainder 2; Answer: 4 boxes 64 ÷ 2 = 32 ÷ 2 = 16; Answer: 16 chocolate flakes 25 + 20 = 45 ÷ 6 = 7 remainder 3; Answer; 8 cartons
68–69	1	12 marbles 20p 6 boxes £2.50 6 trays 9 trays
	2	4 packs 9 cars 6 books, £30 5 baskets

Page number	Question number	Answers
70	1	 $\frac{1}{8}$  $\frac{1}{10}$  $\frac{1}{3}$  $\frac{1}{4}$  $\frac{1}{2}$
71	1	7 8 28 $\frac{1}{3}$ of 21 because that is 7 where as $\frac{1}{4}$ 20 is only 5
72	1	 one half one third one quarter one sixth
	2	$\frac{3}{6}$
	3	$\frac{2}{6}$
	4	$\frac{2}{4}$
73	1	 $\frac{3}{8}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}{5}$
	2	14 balls, 8 cars, 15 sweets
	3a	75cm
	3b	240g
	3c	100ml

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="2">74</td><td>1</td><td>2kg, 225g
100ml, 29cm
2cm, 21m</td></tr>
<tr><td>2</td><td>1.5cm or $1\frac{1}{2}$cm</td></tr>
<tr><td>75</td><td>1</td><td>

$\frac{1}{2}$ or $\frac{2}{4}$

$\frac{3}{5}$

$\frac{3}{9}$ or $\frac{1}{3}$

$\frac{7}{8}$

$\frac{2}{5}$

$\frac{3}{4}$

$\frac{7}{10}$

$\frac{3}{10}$
</td></tr>
<tr><td>76</td><td>1</td><td>
<table>
<tr><th>Shape</th><th>Simple fraction</th><th>Equivalent fraction</th></tr>
<tr><td>Triangles</td><td>$\frac{3}{24}$</td><td>$\frac{1}{8}$</td></tr>
<tr><td>Squares</td><td>$\frac{9}{24}$</td><td>$\frac{3}{8}$</td></tr>
<tr><td>Circles</td><td>$\frac{8}{24}$</td><td>$\frac{1}{3}$</td></tr>
<tr><td>Pentagons</td><td>$\frac{4}{24}$</td><td>$\frac{1}{6}$</td></tr>
<tr><td>Triangles and squares</td><td>$\frac{12}{24}$</td><td>$\frac{1}{2}$</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>$\frac{1}{2} = \frac{3}{6} = \frac{12}{24} = \frac{5}{10}$
$\frac{1}{4} = \frac{2}{8} = \frac{5}{20} = \frac{4}{16}$</td></tr>
<tr><td>77</td><td>1–2</td><td>$\frac{1}{2} = \frac{2}{4}$ $\frac{2}{8} = \frac{1}{4}$
$\frac{4}{10} = \frac{2}{5}$ $\frac{4}{6} = \frac{2}{3}$
$\frac{8}{10} = \frac{4}{5}$ $\frac{5}{10} = \frac{1}{2}$
Answers will vary for comparison fractions.</td></tr>
</table>

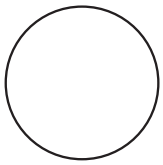
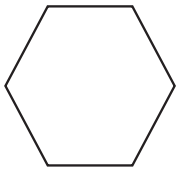
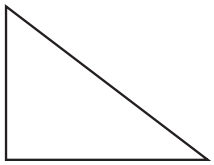
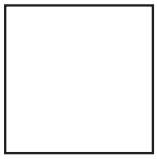
Page number	Question number	Answers
78	1	$\frac{1}{4} = \frac{2}{8}$ $\frac{1}{3} = \frac{2}{6}$ $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$ $\frac{3}{4} = \frac{6}{8}$ $\frac{2}{3} = \frac{4}{6}$ $\frac{1}{5} = \frac{2}{10}$ $\frac{3}{5} = \frac{6}{10}$
79	1 a–c	
	2	Answers will vary.
	3	Answers will vary based on question 2.
80	1	$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ $\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$ $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$ $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$
	2	$\frac{6}{6} - \frac{5}{6} = \frac{1}{6}$ $\frac{10}{10} - \frac{6}{10} = \frac{4}{10}$ $\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$
81	1	$\frac{3}{10}, \frac{7}{10}, \frac{9}{10}$
	2	$\frac{1}{10}, \frac{4}{10}, \frac{8}{10}$
	3	$\frac{2}{10}, \frac{5}{10}, \frac{6}{10}, \frac{8}{10}, \frac{9}{10}, \frac{10}{10}$
82	1	3 cars circled
	2	2 pencils circled
	3	60p circled
	4	90cm
	5	£2.70
	6	£5.50

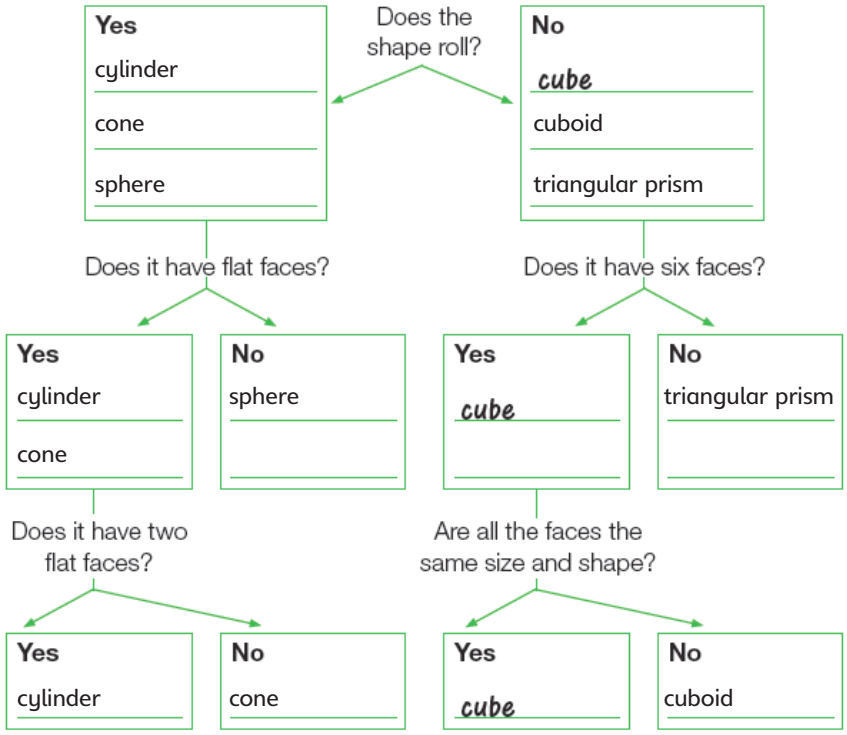
Page number	Question number	Answers
83–84	1	60p 18 marbles 12 cakes 15 oranges
	2a	£15
	2b	£10
	2c	£5
	2d	£5
85	1	$\frac{5}{10}$ of the ruler $\frac{600}{1000}$ or $\frac{6}{10}$ of the weighing scales $\frac{900}{1000}$ or $\frac{90}{100}$ of the measuring jug $\frac{1}{4}$ of the clock $\frac{1}{3}$ of the clock $\frac{32}{100}$ of the metre stick
86	1a	6cm
	1b	7.5cm
	1c	4.5cm
	1d	8cm
	1e	2cm
	2a	Check accuracy with ruler.
	2b	Check accuracy with ruler.
	2c	Check accuracy with ruler.
	2d	Check accuracy with ruler.
	2e	Check accuracy with ruler.
87	1	Answers will vary.
	2	Answers will vary.
88	2	Answers will vary.
	3	Answers will vary.
89	2	Answers will vary.
	3	Answers will vary.
90	1	550g, 1.5kg, 3kg
	2	Check children's drawings.
91	1–2	370g = 200g, 100g, 50g, 20g 65g = 50g, 10g, 5g 17g = 10g, 5g, 1g, 1g 751g = 500g, 200g, 50g, 1g 73g = 50g, 20g, 1g, 1g. 1g 155g = 100g, 50g, 5g 558g = 500g, 50g, 5g, 1g, 1g, 1g 2.3kg = 500g, 500g, 500g, 500g, 200g, 100g

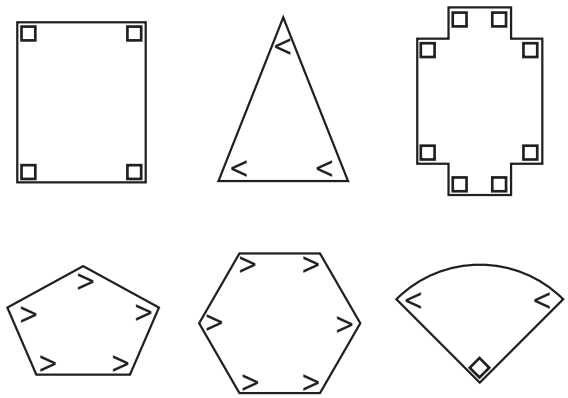
Page number	Question number	Answers
92–93	1	Car – measure in litres Drink – measure in millilitres Bath – measure in litres Milk on cereal – measure in millilitres
	2	Answers will vary.
94	1	300ml, 650ml, 950ml, 2.5l, 4l 50ml, 600ml, 1400ml, 10ml
	2	
95	1	4kg, 800g 200ml, 300ml 7cm, 47cm 20°C
96	1–2	6:10, 5:25 9:15, 7:20 5:50, 3:35 4:55, 12:00 10:40, 2:45
	3a	Answers will vary.
	3b	Answers will vary.
	3c	Answers will vary.
97	1a	 7:12pm
	1b	 8:23pm
	1c	 7:32am
	1d	 12:36am

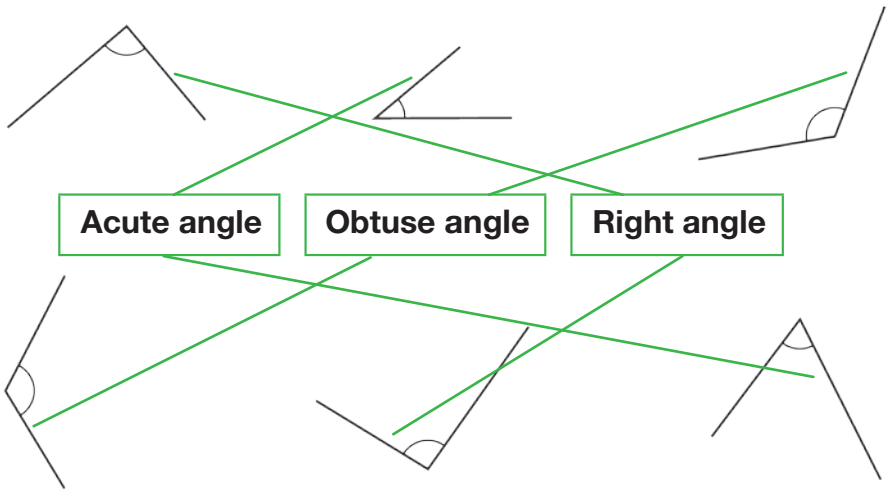
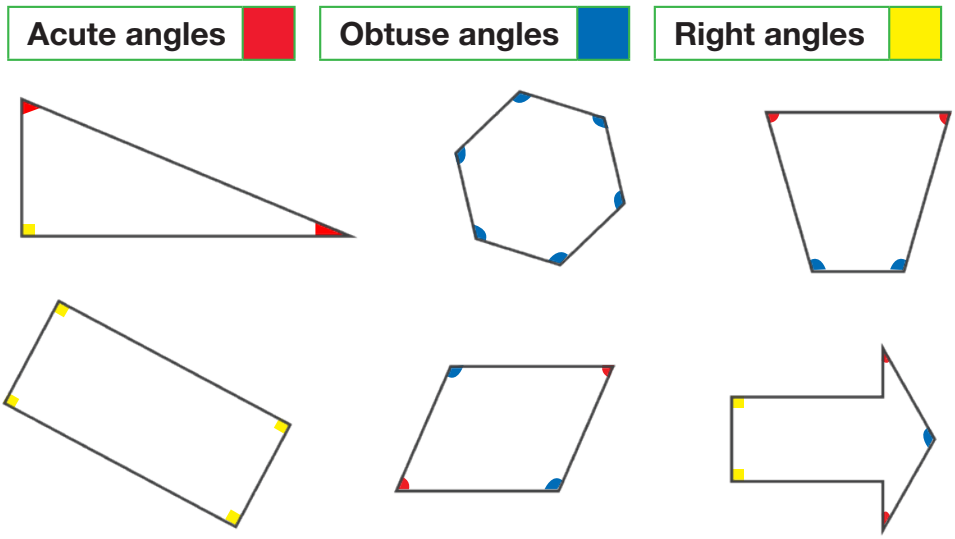
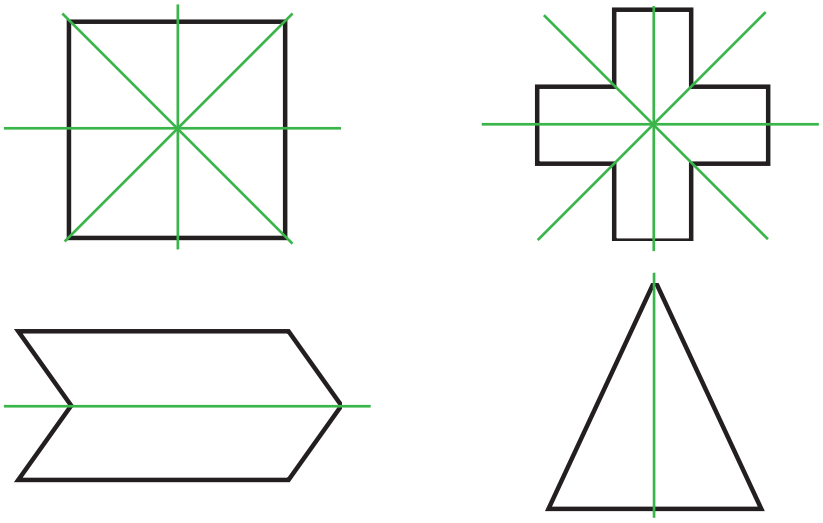
<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td rowspan="3">98</td><td>1–3</td><td>Answers will vary.</td></tr>
<tr><td>4</td><td>60 seconds in a minute; 60 minutes in an hour
24 hours in a day; 7 days in a week
52 weeks in a year; 365 days in a year</td></tr>
<tr><td>5</td><td>Zip up a jacket = seconds
Go on holiday = days
Read a book = days
A school term = weeks
Growing from a child to an adult = years</td></tr>
<tr><td rowspan="5">99</td><td>1</td><td>
<table>
<tr><th></th><th>Month</th><th>Number of days</th></tr>
<tr><td>1</td><td>January</td><td>31</td></tr>
<tr><td>2</td><td>February</td><td>28 or 29</td></tr>
<tr><td>3</td><td>March</td><td>31</td></tr>
<tr><td>4</td><td>April</td><td>30</td></tr>
<tr><td>5</td><td>May</td><td>31</td></tr>
<tr><td>6</td><td>June</td><td>30</td></tr>
<tr><td>7</td><td>July</td><td>31</td></tr>
<tr><td>8</td><td>August</td><td>31</td></tr>
<tr><td>9</td><td>September</td><td>30</td></tr>
<tr><td>10</td><td>October</td><td>31</td></tr>
<tr><td>11</td><td>November</td><td>30</td></tr>
<tr><td>12</td><td>December</td><td>31</td></tr>
</table>
</td></tr>
<tr><td>2a</td><td>29 days</td></tr>
<tr><td>2b</td><td>366 days</td></tr>
<tr><td>2c</td><td>Every 4 years</td></tr>
<tr><td>2d</td><td>2016 – and every 4 years after that</td></tr>
<tr><td rowspan="10">100–101</td><td>1a</td><td>Answers will vary.</td></tr>
<tr><td>1b</td><td>Answers will vary.</td></tr>
<tr><td>1c</td><td>Answers will vary.</td></tr>
<tr><td>1d</td><td>Answers will depend on answers 1a –1c.</td></tr>
<tr><td>1e</td><td>Answers will depend on answer 1d.</td></tr>
<tr><td>2a</td><td>Short Stories and Creepy Tales</td></tr>
<tr><td>2b</td><td>Answers will vary.</td></tr>
<tr><td>2c</td><td>36p change</td></tr>
<tr><td>2d</td><td>Answers will vary.</td></tr>
<tr><td rowspan="4">102</td><td>1</td><td>Car – metres
Sign post – metres
Hamster – centimetres
Thimble – millimetres</td></tr>
<tr><td>2a</td><td>125cm</td></tr>
<tr><td>2b</td><td>30 centimetres</td></tr>
<tr><td>3</td><td>Answers will vary.</td></tr>
</table>

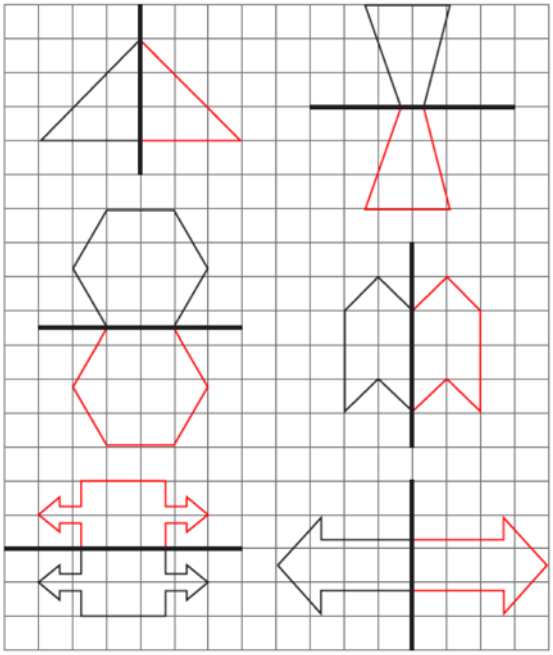
Page number	Question number	Answers
103	1a	True
	1b	False
	1c	False
	1d	False
	1e	True
	1f	True
	1g	False
	1h	False
	1i	True
	1j	True
	1k	False
104	1	900ml or 0.9l or $\frac{9}{10}$l 1350g or 1.35kg or 1kg 350g 17.5m or 17$\frac{1}{2}$ m or 17m 50cm 2 hours 15 mins or 2$\frac{1}{4}$ hour or 135mins
105	2a	 8:40
	2b	 10:10
	2c	 1:50
	2d	 4:30
	2e	 5:50
	2f	 9:40

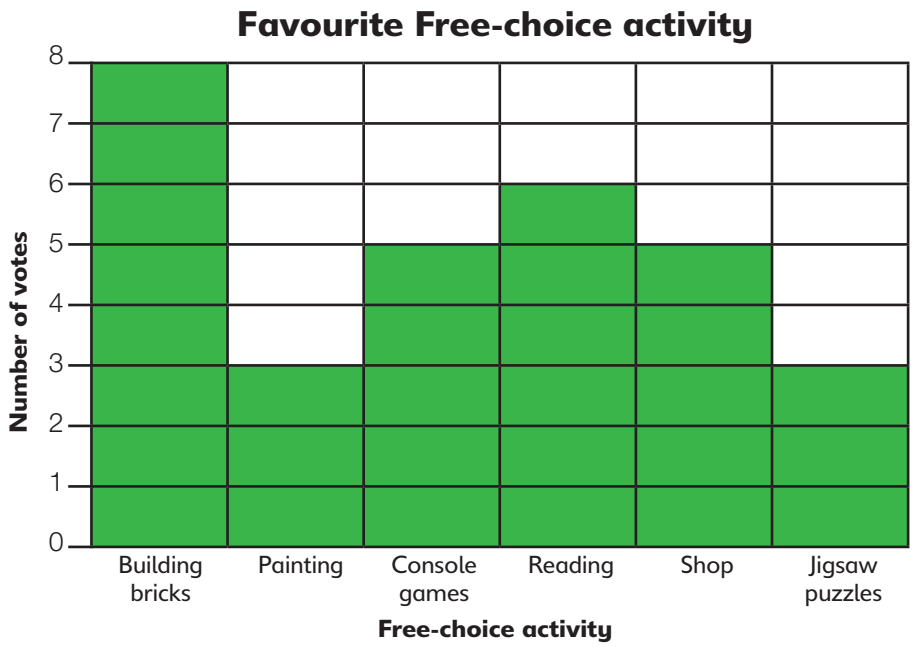
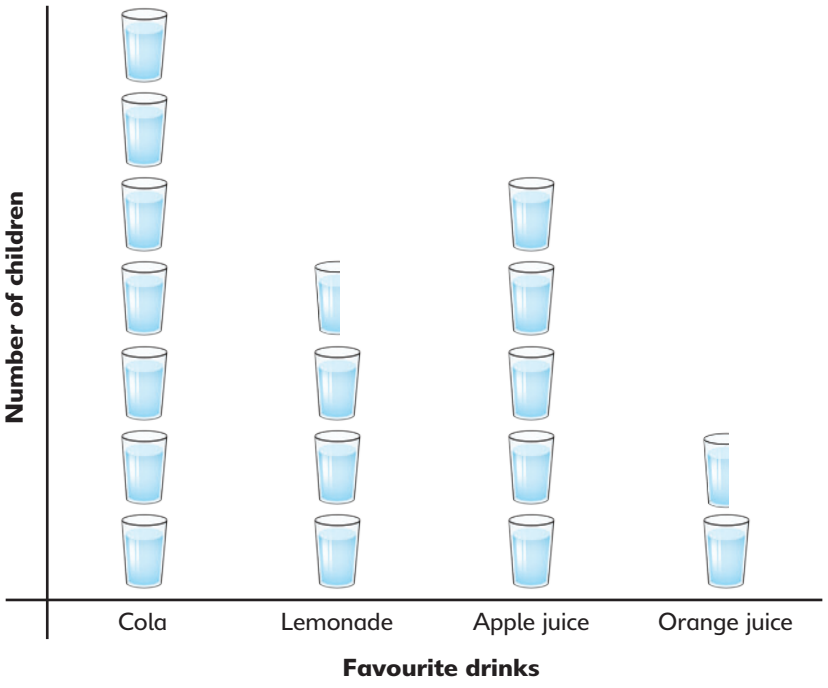
<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td>106</td><td>1–4</td><td>
<table>
<tr><th>Shape</th></tr>
<tr><td>  </td></tr>
<tr><td>This shape has no straight sides and is symmetrical.</td></tr>
<tr><td>  </td></tr>
<tr><td>This shape has angles all the same size.
It has no right angles.
It has six sides</td></tr>
<tr><td>  </td></tr>
<tr><td>This shape is not a square. It is a quadrilateral. It has four right angles.</td></tr>
<tr><td>  </td></tr>
<tr><td>This shape has three sides. It has a right angle.</td></tr>
<tr><td>  </td></tr>
<tr><td>This shape is a quadrilateral. All of its sides are the same length. All of its angles are the same size.</td></tr>
</table>
</td></tr>
<tr><td>107</td><td>1</td><td>Children should have drawn three different rectangles and/or squares.</td></tr>
<tr><td></td><td>2</td><td>Answers will vary.</td></tr>
<tr><td>108</td><td>1</td><td>Answer will vary check the drawings.</td></tr>
</table>

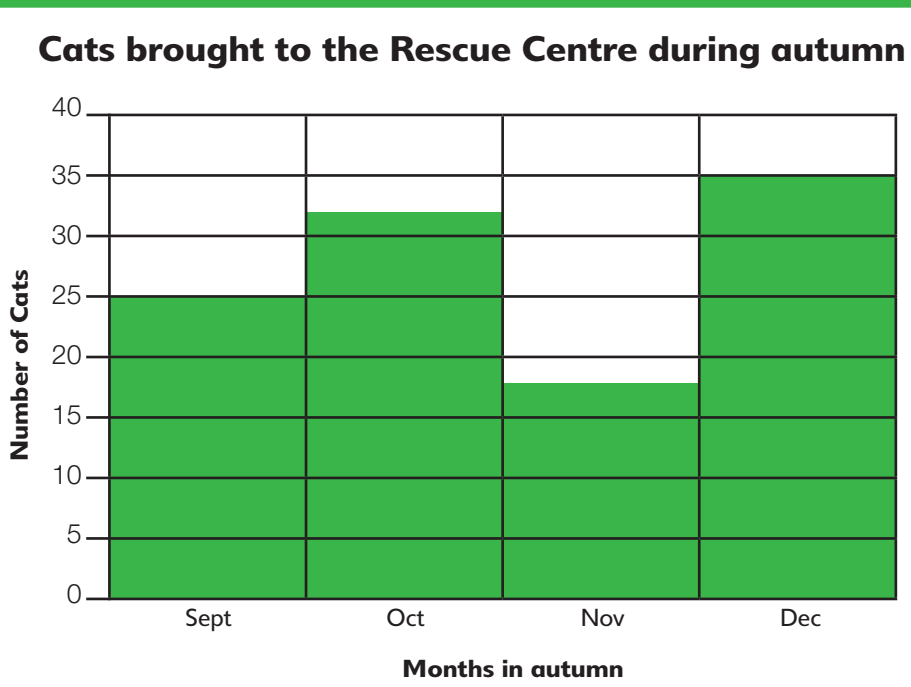
Page number	Question number	Answers
109	1–2	
110	1	
	2	
	3	Tree = Vertical Fence = Horizontal

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td>111</td><td>1–3</td><td>  </td></tr>
<tr><td>112</td><td>1</td><td>$\frac{1}{4}$ turn, $\frac{1}{4}$ turn
$\frac{1}{2}$ turn, $\frac{1}{2}$ turn
$\frac{3}{4}$ turn, $\frac{3}{4}$ turn</td></tr>
<tr><td></td><td>2</td><td>
<table>
<tr><th></th><th>Type of turn</th><th>Number of right angles</th></tr>
<tr><td>west to east?</td><td>$\frac{1}{2}$ turn</td><td>2</td></tr>
<tr><td>south-west to south-east?</td><td>$\frac{3}{4}$ turn</td><td>3</td></tr>
<tr><td>east to north?</td><td>$\frac{3}{4}$ turn</td><td>3</td></tr>
<tr><td>north-west to south-east?</td><td>$\frac{1}{2}$ turn</td><td>2</td></tr>
</table>
</td></tr>
</table>

Page number	Question number	Answers
113	1	
	2	
114	1	Shape 2 and 5 have no lines of symmetry
	2	

<table>
<tr><th>Page number</th><th>Question number</th><th>Answers</th></tr>
<tr><td>115</td><td></td><td>  </td></tr>
<tr><td>116</td><td>1</td><td>Rhombus; Cylinder
Right-angled triangle; Square-based pyramid
Cone; Regular pentagon</td></tr>
<tr><td>117</td><td>1</td><td>Check children's colouring.</td></tr>
<tr><td>118</td><td>1a</td><td>11</td></tr>
<tr><td></td><td>1b</td><td>28</td></tr>
<tr><td></td><td>1c</td><td>Thursday</td></tr>
<tr><td></td><td>1d</td><td>53</td></tr>
<tr><td></td><td>1e</td><td>Answer will vary</td></tr>
<tr><td>119</td><td>1</td><td><table><tr><th>Console game</th><th>Number of children</th></tr><tr><td>Platform</td><td>3</td></tr><tr><td>Racing</td><td>5</td></tr><tr><td>Puzzle</td><td>2</td></tr><tr><td>Sports</td><td>8</td></tr></table></td></tr>
<tr><td></td><td>2</td><td>Puzzle game</td></tr>
<tr><td></td><td>3</td><td>Sports game</td></tr>
<tr><td></td><td>4</td><td>33 children</td></tr>
<tr><td>120</td><td>1</td><td>8</td></tr>
<tr><td></td><td>2</td><td>Red</td></tr>
<tr><td></td><td>3</td><td>33</td></tr>
<tr><td></td><td>4</td><td>Purple</td></tr>
<tr><td></td><td>5</td><td>Answer will vary</td></tr>
</table>

Page number	Question number	Answers
121	1	
	2a	Reading
	2b	30 children
122	1–3	Answers will vary.
123	1a	17 Sunny days
	1b	6 Cloudy days
	1c	7 Rainy days
	1d	30 days
	2	Answers will vary.
124	1	
	1a	Cola
	1b	Orange juice
	1c	21 children
	1d	13 children
	1e	34 children

Page number	Question number	Answers
125	1	
	1a	18
	1b	December
	1c	November
	1d	10
	1e	53
	1f	110