

Answers to Scholastic Maths Booster Workbook for KS1

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.

Note that in some places, answers will be varied and subjective from child to child, and a fair degree of marker discretion and interpretation is needed, particularly if children's understanding and skills have to be deduced from their answers.

Page number	Question number	Answers																							
7	1	a. 46 b. 66 c. 33 d. 88 e. 16 f. 50																							
	2	a. 25 b. 60 c. 42 d. 8 e. 99																							
	3	An abacus needs to be drawn for each number, showing: a. 23 b. 50 c. 7 d. 88 e. 91																							
	4	a. <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> </table> b. <table border="1"> <tr> <td>77</td> <td>78</td> <td>79</td> <td>80</td> </tr> <tr> <td>87</td> <td>88</td> <td>89</td> <td>90</td> </tr> <tr> <td>97</td> <td>98</td> <td>99</td> <td>100</td> </tr> </table>	1	2	3	4	11	12	13	14	21	22	23	24	77	78	79	80	87	88	89	90	97	98	99
1	2	3	4																						
11	12	13	14																						
21	22	23	24																						
77	78	79	80																						
87	88	89	90																						
97	98	99	100																						

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7	4	c. <table border="1"> <tr> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td>34</td> <td>35</td> <td>36</td> <td>37</td> </tr> <tr> <td>44</td> <td>45</td> <td>46</td> <td>47</td> </tr> </table>	24	25	26	27	34	35	36	37	44	45	46	47
	24	25	26	27										
34	35	36	37											
44	45	46	47											
	5	a. 3, 6, 7 b. 65, 70												
9	1	a. 3, 6, 9, 12 b. 10, 20, 30, 40 c. 2, 4, 6, 8 d. 5, 10, 15, 20												
	2	a. 32, 34, 36 b. 55, 60, 65 c. 43, 33, 23												
	3	a. 18 b. 14 c. 43												
	4	a. (allow 0) 6, 12, 18, 24, 30 b. Chloe												
11	1	a. 22, 33, 44, 55, 88 b. 1, 4, 6, 9, 13 c. 5, 32, 52, 70, 78 d. 12, 16, 17, 50, 93												
	2	a. 11, 9, 7, 2, 1 b. 43, 42, 39, 34, 32 c. 93, 80, 75, 50, 5 d. 99, 61, 60, 20, 19												
	3	a. < b. < c. > d. < e. > f. > g. > h. <												

Page number	Question number	Answers
13	1	a. 36 b. 82 c. 99 d. 17 e. 27 f. 58 g. 78 h. 41 i. 11
	2	a. forty-four b. seventy-five c. eighteen d. fifty-five e. sixty-three f. eighty-eight
15	1	a. 30 b. 70 c. 100 d. 44 pencils
	2	a. 8 eyes b. 40 fingers and thumbs c. 12 exercise books
	3	a. 30 people b. 9 people c. 25 people
	4	a. 15 legs b. 20 stools c. 15 stools d. 45 legs
17	1	a. 9 b. 13 c. 4 d. 1 e. 19 f. 13 g. 12 h. 20 i. 21

Page number	Question number	Answers
17	2	a. 51 b. 59 c. 32 d. 54 e. 82 f. 93 g. 47 h. 89 i. 43
	3	a. 29 b. 29 c. 25 d. 37 e. 79 f. 79 g. 95 h. 100 i. 41
	4	a. 3 b. 7 c. 30 d. 16 e. 23 f. 43 g. 52 h. 44 i. 10
	5	a. 6 b. 9 c. 7 d. 9 e. 9 f. 14 g. 15 h. 16 i. 17 j. 24 k. 24 l. 18 m. 24 n. 22 o. 24

Page number	Question number	Answers
19	1	a. 59 b. 91 c. 18 d. 5 e. 49 f. 94 g. 25 h. 91
	2	a. sum is 19; difference is 9 b. sum is 87; difference is 5 c. sum is 88; difference is 20
	3	Pairs of calculations can be in either order: a. $12 + 15 = 27$ $15 + 12 = 27$ b. $37 + 41 = 78$ $41 + 37 = 78$ c. $13 + 87 = 100$ $87 + 13 = 100$ d. Several possible explanations, for example: The answers are not the same when you change the order of the subtraction, for example $4 - 1 = 3$ but $1 - 4$ does not = 3. The answer goes into negative numbers, for example $4 - 1 = 3$, but $1 - 4 = -3$ Accept any calculations that correctly demonstrate this.
	4	a. ✓ $38 - 15 = 23$ or $38 - 23 = 15$ b. ✗ $77 - 33 = 44$ (not 46) or $77 - 46 = 31$ (not 33) c. ✗ $85 - 22 = 63$ (not 67) or $85 - 67 = 18$ (not 22)
21	1	5 rabbits
	2	11 cars
	3	£13
	4	35 pens
	5	5 slices
22	6	16 girls
	7	76 years older
	8	90 children
	9	15 children
	10	81 animals
24	1	a. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 b. 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 c. 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
	2	a. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 b. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 c. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Page number	Question number	Answers
25	3	$3 \times 2 = 6$ matches $6 \div 3 = 2$ $10 \times 2 = 20$ matches $20 \div 2 = 10$ $5 \times 2 = 10$ matches $10 \div 2 = 5$ $2 \times 2 = 4$ matches $4 \div 2 = 2$ $9 \times 2 = 18$ matches $18 \div 2 = 9$ $4 \times 5 = 20$ matches $20 \div 5 = 4$ $10 \times 5 = 50$ matches $50 \div 5 = 10$ $6 \times 10 = 60$ matches $60 \div 10 = 6$ $2 \times 10 = 20$ matches $20 \div 10 = 2$ $6 \times 5 = 30$ matches $30 \div 5 = 6$
	4	a. 14 even b. 60 even c. 25 odd d. 6 even e. 4 even f. 7 odd g. 3 odd h. 10 even i. 30 even j. 20 even k. 1 odd l. 8 even m. 10 even n. 35 odd
27	1	a. $4 \times 5 = 20$ b. $60 \div 10 = 6$ c. $7 \times 2 = 14$ d. $16 \div 2 = 8$ e. $9 \times 10 = 90$ f. $45 \div 9 = 5$
	2	a. $3 \times 5 = 15$ matches $5 \times 3 = 15$ b. $2 \times 10 = 20$ matches $10 \times 2 = 20$ c. $8 \times 2 = 18$ matches $2 \times 8 = 16$ d. $7 \times 5 = 35$ matches $5 \times 7 = 35$ e. $3 \times 2 = 6$ matches $2 \times 3 = 6$

Page number	Question number	Answers
27	3	<p>The three facts can be in any order:</p> <p>a. $10 \times 2 = 20$, $20 \div 2 = 10$, $20 \div 10 = 2$</p> <p>b. $2 \times 6 = 12$, $12 \div 6 = 2$, $12 \div 2 = 6$</p> <p>c. $5 \times 3 = 15$, $15 \div 3 = 5$, $15 \div 5 = 3$</p> <p>d. $10 \times 6 = 60$, $60 \div 6 = 10$, $60 \div 10 = 6$</p> <p>e. $2 \times 3 = 6$, $6 \div 2 = 3$, $6 \div 3 = 2$</p> <p>f. $5 \times 9 = 45$, $45 \div 9 = 5$, $45 \div 5 = 9$</p> <p>g. $3 \times 7 = 21$, $21 \div 7 = 3$, $21 \div 3 = 7$</p> <p>h. $10 \times 9 = 90$, $90 \div 10 = 9$, $90 \div 9 = 10$</p> <p>i. $8 \times 2 = 16$, $16 \div 2 = 8$, $16 \div 8 = 2$</p>
28	4	<p>a. $3 \times 2 = 6$</p> <p>b. $7 \times 5 = 35$</p> <p>c. $3 \times 10 = 30$</p> <p>d. $8 \times 2 = 16$</p> <p>e. $4 \times 5 = 20$</p> <p>f. $9 \times 10 = 90$</p>
	5	<p>a. $6 \times 5 = 30$ or $5 \times 6 = 30$; $30 \div 6 = 5$ or $30 \div 5 = 6$</p> <p>b. $3 \times 6 = 18$ or $6 \times 3 = 18$; $18 \div 3 = 6$ or $18 \div 6 = 3$</p>
	6	<p>a. $20 \div 4 = 5$ or $20 \div 5 = 4$</p> <p>b. $14 \div 2 = 7$ or $14 \div 7 = 2$</p> <p>c. $90 \div 10 = 9$ or $90 \div 9 = 10$</p> <p>d. $15 \div 5 = 3$ or $15 \div 3 = 5$</p> <p>e. $12 \div 2 = 6$ or $12 \div 6 = 2$</p> <p>f. $30 \div 10 = 3$ or $30 \div 3 = 10$</p>
30	1	30 pigs
	2	8 pairs
	3	£20
	4	100 pencils
	5	17p
31	6	4 slices
	7	70 years old
	8	$9 \times 5 = 45$ or $5 \times 9 = 45$. Jen is right.
	9	8 pens each
	10	40 cabbages
32	11	38 children
	12	29 cakes left
	13	5 pieces of popcorn left-over
	14	23p

Page number	Question number	Answers
34	1	a. $\frac{1}{4}$ shaded b. $\frac{1}{2}$ shaded c. $\frac{3}{4}$ shaded d. one whole shaded
	2	a. $\frac{1}{3}$ b. $\frac{3}{4}$ c. $\frac{1}{4}$ d. $\frac{1}{2}$
	3	a. 3 dots circled b. 2 dots circled c. 3 dots circled d. 6 dots circled
	4	$\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{3}$
	5	a. $\frac{1}{4}$ (or $\frac{3}{12}$) b. $\frac{1}{3}$ (or $\frac{3}{9}$) c. $\frac{3}{4}$ (or $\frac{9}{12}$) d. $\frac{1}{2}$ (or $\frac{5}{10}$)
36	1	a. $\frac{1}{2}$ of 12 = 6 b. $\frac{1}{4}$ of 12 = 3 c. $\frac{1}{3}$ of 12 = 4
	2	a. 1 b. 3 c. 5 d. 4 e. 6 f. 2 g. 11 h. 50

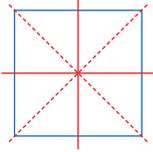
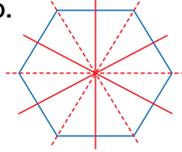
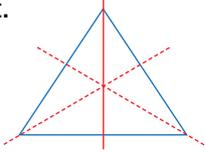
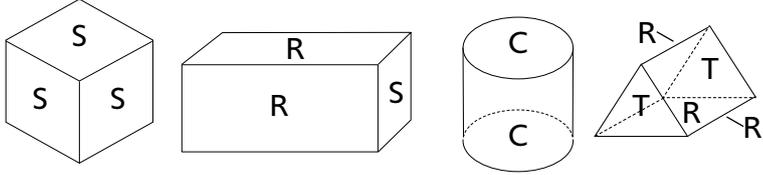
Page number	Question number	Answers
36	3	a. 1 b. 3 c. 2 d. 4 e. 5 f. 6 g. 12 h. 10
	4	a. 1 b. 3 c. 5 d. 2 e. 10 f. 4 g. 8 h. 20
	5	a. 3 b. 9 c. 15 d. 6 e. 12 f. 30 g. 18 h. 60
37	6	a. ✓ b. ✓ c. ✗ (12) d. ✗ (5) e. ✗ (8) f. ✓ g. ✓ h. ✗ (25)

Page number	Question number	Answers
37	7	$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{3}$
	8	a. 12 b. 8 c. 6 d. 18 e. 24 f. 11 g. 18 h. 9
39	1	a. 5cm b. 12cm c. 1cm d. 8cm
	2	a. 4cm b. 7cm c. 12cm d. 2cm
	3	Lines drawn should be exactly: a. 5cm b. 9cm c. 11cm d. 23m
	4	toy car = 4cm pencil = 5cm snail = 3cm

Page number	Question number	Answers
40	5	car = 4m table = 2m football pitch = 90m house = 10m
	6	a. 5°C b. 10°C c. 1°C d. 12°C e. 6°C f. 0°C
	7	Thermometers should be marked with the following temperatures: a. 7°C b. 2°C c. 11°C d. 3°C e. 9°C f. 4°C
42	1	a. 10g b. 85g c. 2kg d. 5½kg (allow 5.5kg)
	2	a. 8 litres b. 3 litres c. 50ml d. 25ml
	3	bicycle = 10kg feather = 3g banana = 90g pumpkin = 4kg
	4	paint tube = 75ml bathtub = 100 litres plastic drink bottle = 2 litres thimble = 5ml

Page number	Question number	Answers
44	1	a. 6m, 12m, 14m, 16m, 20m b. 2cm, 9cm, 13cm, 15cm, 16cm c. 2m, 15m, 16m, 56m, 65m
	2	a. 13m, 7m, 4m, 2m, 1m b. 14cm, 12cm, 9cm, 5cm, 3cm c. 50m, 23m, 20m, 16m, 15m
	3	a. 1kg, 2kg, 4kg, 9kg, 12kg b. 5g, 10g, 12g, 23g, 30g c. 3kg, 14kg, 50kg, 88kg, 99kg
	4	a. 30kg, 15kg, 12kg, 6kg, 3kg b. 20g, 15g, 10g, 6g, 5g c. 77kg, 43kg, 12kg, 11kg, 7kg
	5	a. 3l, 5l, 7l, 9l, 10l b. 5ml, 25ml, 43ml, 50ml, 51ml c. 13l, 49l, 50l, 74l, 98l
	6	a. 99l, 77l, 66l, 55l, 33l b. 40ml, 38ml, 35ml, 30ml, 3ml c. 21l, 17l, 12l, 5l, 3l
45	7	a. < b. = c. > d. < e. < f. = g. > h. > i. = j. < k. = l. <
	8	true false true false false true true true

Page number	Question number	Answers
47	1	a. 8p b. 80p c. 32p d. 73p
	2	a. $26p = 20p + 5p + 1p$ b. $153p = £1 + 50p + 2p + 1p$
	3	Various possible answers, for example: a. $7p = 5p + 2p$ or $5p + 1p + 1p$ b. $13p = 10p + 2p + 1p$ or $5p + 5p + 2p + 1p$ c. $60p = 50p + 10p$ or $20p + 20p + 20p$ d. $43p = 20p + 20p + 2p + 1p$ or $20p + 10p + 10p + 2p + 1p$
48	4	a. Various possible answers, for example: pencil (7p) = $5p + 2p$ or $5p + 1p + 1p$ pencil sharpener (9p) = $5p + 2p + 2p$ or $2p + 2p + 2p + 2p + 1p$ eraser (8p) = $5p + 2p + 1p$ or $2p + 2p + 2p + 2p$ ruler (13p) = $10p + 2p + 1p$ or $5p + 5p + 2p + 1p$ pen (15p) = $10p + 5p$ or $5p + 5p + 5p$ b. 16p c. 28p d. 24p e. 5p f. ruler and eraser g. pens
50	1	a. three o'clock b. half past eight c. quarter to five d. ten past six
	2	clocks drawn need to show the times: a. half past three b. quarter past eleven c. five to four d. twenty to twelve
51	3	a. Assembly: 25 minutes; Break: 20 minutes; Maths: 45 minutes; Show and tell: 30 minutes b. register, break, assembly, show and tell, maths, English
	4	a. Topic: 45 minutes; Break: 10 minutes; Music: 55 minutes b. break, reading, topic, lunch, music

Page number	Question number	Answers											
53	1	a. rectangle b. triangle c. hexagon d. octagon e. square f. pentagon											
	2	Accept any line of symmetry for each shape: a.  b.  c. 											
	3	The kite and rhombus are in the wrong boxes.											
55	1	a. cylinder b. cube c. prism d. pyramid e. cone											
	2	S = square T = triangle C = circle R = rectangle 											
	3	a. cuboid b. sphere c. square-based pyramid d. cylinder											
	4	<table border="1"> <thead> <tr> <th>Has circular faces</th> <th>Has square faces</th> <th>Has triangular faces</th> </tr> </thead> <tbody> <tr> <td>cylinder</td> <td>cube</td> <td>triangular prism</td> </tr> <tr> <td>cone</td> <td>cuboid</td> <td>square-based pyramid</td> </tr> <tr> <td></td> <td>square-based pyramid</td> <td></td> </tr> </tbody> </table>	Has circular faces	Has square faces	Has triangular faces	cylinder	cube	triangular prism	cone	cuboid	square-based pyramid		square-based pyramid
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cylinder	cube	triangular prism											
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	square-based pyramid												

Page number	Question number	Answers
57	1	<p>a. </p> <p>b. </p> <p>c. </p> <p>d. </p>
	2	<p>a. </p> <p>b. </p> <p>c. </p> <p>d. </p>
59	1	<p>a. R b. S c. Q d. P</p>
	2	<p>a. a half-turn to the right b. a three-quarters turn to the right c. a quarter-turn to the left d. a whole-turn to the right</p>
	3	<p>Various possible routes, for example:</p> <p>a. one square forward, quarter-turn left, one square forward b. quarter-turn right, two squares forward c. half-turn right/left, 1 square forward, quarter-turn right, 3 squares forward or one square backward, quarter-turn left, three squares forward d. quarter-turn right, one square forward, quarter-turn right, one square forward</p>

61	1	<ul style="list-style-type: none"> a. black b. red c. 12 cars d. 1 more e. 23 cars
	2	<ul style="list-style-type: none"> a. Chart completed as follows: pizza: total of 8; pasta: tally of 3; fish and chips: tally of 7; pancakes: total of 2; roast dinner: total of 6 b. pancakes c. fish and chips d. 6 more children e. 26 children
63	1	<ul style="list-style-type: none"> a. zebra b. lion c. elephants d. 1 more e. 25 animals
	2	<ul style="list-style-type: none"> a. hockey b. football c. 8 children d. tennis e. 2 more children f. 30 children