

Question number	Question	Answer	Marks
1	$702 \times 1 = \square$	702	1
2	$121 = \square^2$	11	1
3	$0.8 = \square - 0.2$	1	1
4	$7 \times \square = 49$	7	1
5	$\square \times 1000 = 53\,000$	53	1
6	$\frac{1}{3} - \frac{2}{6} = \square$	0	1
7	$6 = 4200 \div \square$	700	1
8	$5 \times (12 - 9) = \square$	15	1
9	$60 \div \square = 2 \times 6$	5	1
10	$\frac{1}{10} \times \frac{3}{4} = \square$	$\frac{3}{40}$ (or equiv)	1
11	$\square = 1.9 \times 1000$	1900	1
12	$\frac{9}{5} - \frac{2}{15} = \square$	$1\frac{10}{15}$ (or equiv)	1
13	$\frac{3}{5}$ of 35 = \square	21	1
14	$3002 - 1405 = \square$	1597	1
15	$5 - 2 \times 2 = \square$	1	1

16	$36.45 - 9.788 + 289 = \square$	315.662	1
17	$\frac{1}{5} + \frac{1}{2} = \square$	$\frac{7}{10}$ (or equiv)	1
18	$6498 = \square \times 9$	722	1
19	$73\,491 - 523 + 89 = \square$	73\,057	1
20	$7428 \div 5 = \square$	1485.6	1
21	$7 = \square \div 832$	5824	1
22	$(6 + 2) \times 2^2 = \square$	32	1
23	35% of 60 = \square	21	1
24	$\square = \frac{1}{2} + \frac{1}{3}$	$\frac{5}{6}$ (or equiv)	1
25	$8171 \div 4 = \square$	2042.75	1
26	$8448 \div 16 = \square$	528	2*
27	$\frac{1}{4} + \frac{1}{3} = \square$	$\frac{7}{12}$ (or equiv)	1
28	$3657 \times 91 = \square$	332\,787	2*
Total marks			30

Page 22

1. 99
2. 35
3. 2
4. 2
5. 28
6. 30
7. $m = 3$
8. $t = 8$
9. $w = 8$
10. $y = 4$
11. $n = 9$
12. $q = 6$
13. $r = 15$
14. $s = 36$

Think. $m = 4$

Page 23

1. 22
 2. 66
 3. $86 \cdot 4$
 4. 3
 5. 12
 6. 1·1
 7. $d = 24$
 8. $a = 33$
 9. $k = 8$
 10. $h = 7$
 11. $m = 22$
 12. $c = 24$
 13. $w = 36$
 14. $t = 90$
- Think. $m = 4$.

Page 25

1. $c = 10$
2. $m = 3$
3. $b = 3$
4. $n = 17$
5. $v = 2$
6. $b = 2$
7. $m = 7, n = 2$
8. $p = 5, q = 15$
9. $a = 6, b = 2$
10. 5 cm
11. 5 cm
12. 11.5 cm
13. 7 cm
14. $e = 45^\circ$
15. $f = 116^\circ$

Think. $36^\circ, 36^\circ$ and 108°

Page 26

1. $c = 5$
2. $r = 9$
3. $b = 6$
4. $n = 4$
5. $v = 5$
6. $q = 1.5$
7. $m = 4, n = 5$
8. $t = 3.5, s = 2$
9. $p = 3, q = 7$
10. $w = 10, y = 1.5$
11. $a = 1, b = 6$
12. 7 cm
13. 3 cm
14. 3.5 cm
15. 9.6 cm
16. 59°
17. 67°

Clues

Across

1) $2 + (5 \times 2)$

2) $2^2 + 5$

3) $(10 + 7) \times 2$

4) $(120 \div 2) + 2$

5) $(70 \div 2) - 5$

Down

a) $5^2 - 2$

b) $6 + (5 \times 8)$

c) $-7 + 10^2$

d) $(60 - 10) \div 2$

1) 1	a) 2		2) 9
	3) 3	b) 4	
c) 9		4) 6	d) 2
5) 3	0		5

ANSWERS

NUMBER - Number and place value

1) a) three thousand, seven hundred and forty nine b) seventy two thousand, two hundred and eighty three c) six hundred and eighty three thousand, five hundred and nine d) nine million, three hundred and twenty seven thousand

(2 marks for all 4 correct, 1 mark for 2 or 3 correct)

2) a) 2124, 2347, 2768, 2986 b) 745,429, 746,924, 764,249 c) 2,946,135 2,946,153 2,964,135

(2 marks for all 3 correct, 1 mark for 2 correct)

3) a) 400 b) 700,000 c) 80,000

(2 marks for all 3 correct, 1 mark for 2 correct)

4) hundredths

(2 marks for a correct answer)

5) a) 1000 b) 5000

(2 marks for 2 correct, 1 mark for 1 correct)

6) a) 60,000 b) 630,000

(2 marks for 2 correct, 1 mark for 1 correct)

7) a) 7,000,000 b) 37,000,000

(2 marks for 2 correct, 1 mark for 1 correct)

8) a) 14 b) 39 c) 135

(2 marks for all 3 correct, 1 mark for 2 correct)

9) a) -55°C

*(2 marks for a correct answer)
(1 mark for appropriate working but an incorrect answer)*

10) 11m

(2 marks for a correct answer)

11) 4 packets of 1000 7 packets of 100
(2 marks for a correct answer)

12) 18,6000 - 9500

(2 marks for a correct answer)

13) 999.9; indication of more or less than a thousand

(2 marks for a correct answer)

14) 123,479

(2 marks for a correct answer)

15) indication that she should have written 409,265

(2 marks for a correct answer)

RATIO AND PROPORTION/ALGEBRA

1) 600ml of orange and 900ml of lemonade
(2 marks for 2 correct, 1 mark for 1 correct)

2) a)40 b)45
(2 marks for 2 correct, 1 mark for 1 correct)

3) 80% of £250 ticked
(2 marks for a correct answer)

4) 8.82 metres
(2 marks for a correct answer)
(1 mark for appropriate working but an incorrect answer)

5) 197g
(2 marks for a correct answer)
(1 mark for appropriate working but an incorrect answer)

6) 12
(2 marks for a correct answer)

7) 20 blue cubes
(2 marks for a correct answer)

8) a)21 b)22 c)11
(2 marks for all 3 correct, 1 mark for 2 correct)

9) number of rulers
(2 marks for a correct answer)

10) indication of increasing in sevens
(2 marks for a correct answer)

11) 22, 89
(2 marks for a correct answer)

12) a)7 b)3 c)35
(2 marks for all 3 correct, 1 mark for 2 correct)

13) 16
(2 marks for a correct answer)

14) 6, 5
(2 marks for a correct answer)

15) 6 and 4, 2 and 12, 3 and 8, 1 and 24 or reversed pairs
(2 marks for a correct answer)
(1 mark for 2 out of 3 correct)