Pupil's Book Answers

1. Look Back

Page 1

1. a) Count 9   b) Count 18
3. 18, 44, 80
4. 17, 33, 69
5. 5, 12, 47, 38, 70
6. a) $5 + 4 = 9$
    b) $8 + 5 = 13$
    c) $11 + 7 = 18$
7. $7 + 4 = 11$, $9 + 3 = 12$
    $11 + 4 = 15$, $14 + 6 = 20$

Page 2

8. $4 + 1 + 4 = 9$
    $7 + 3 + 3 = 13$
    $4 + 5 + 4 = 13$
    $8 + 2 + 6 = 16$
9. $6 + 1 + 4 = 11$
    $4 + 4 + 5 = 13$
    $5 + 7 + 5 = 17$
    $2 + 5 + 8 = 15$
10. a) $8 - 3 = 5$ b) $13 - 5 = 8$
11. a) $7 - 5 = 2$, $9 - 3 = 6$
    $11 - 0 = 11$, $13 - 2 = 11$
    b) $18 - 4 = 14$, $16 - 8 = 8$
    $14 - 5 = 9$, $17 - 10 = 7$
12. a) $6 + 2 = 2 + 6$
    b) $12 + 3 = 3 + 12$
    c) $9 + 8 = 8 + 9$
13. $17 + 11 = 28$, $12 + 13 = 25$
    $24 + 12 = 36$, $16 + 21 = 37$
    $32 + 13 = 45$, $10 + 28 = 38$
    $43 + 46 = 89$, $34 + 5 = 39$

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14. $17 + 16 = 33$, $18 + 18 = 36$
    $16 + 29 = 45$, $23 + 28 = 51$
15. $55 - 32 = 23$, $27 - 10 = 17$
    $37 - 6 = 31$, $88 - 15 = 73$
17. a) rectangle   b) triangle
    c) circle   d) square
    e) semi-circle
18. a) sphere   b) cube
    c) cylinder   d) cuboid
20. a) 4 o'clock   b) 8 o'clock
    c) $\frac{1}{2}$ past 10   d) $\frac{1}{2}$ past 2

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21. a) 17c   b) 32c   c) 46c
22. a) 5c, 2c, 1c   b) 20c, 2c, 2c
    c) 20c, 20c, 5c, 2c, 2c

23. a) heavier   b) lighter
    c) same
24. a) longer   b) shorter
    c) longest   d) shortest

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25. a) cup   b) pool
    c) bucket/pool   d) cup/mug
    e) cup

2. Addition 1

Page 6

1. $4 + 0 = 4$, $6 + 0 = 6$
    $12 + 0 = 12$, $15 + 0 = 15$
    $13 + 0 = 13$, $0 + 3 = 3$
    $0 + 18 = 18$, $0 + 4 = 4$
2. $16 + 0 = 16$, $14 + 0 = 14$
    $7 + 0 = 7$, $9 + 0 = 9$
    $17 + 0 = 17$, $0 + 2 = 2$
    $0 + 8 = 8$, $0 + 19 = 19$
    $0 + 11 = 11$, $0 + 15 = 15$
3. $3 + 1 = 4$, $5 + 1 = 6$
    $9 + 1 = 10$, $16 + 1 = 17$

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1. $4 + 1 = 5$, $6 + 1 = 7$
    $8 + 1 = 9$
    $1 + 15 = 16$, $13 + 1 = 14$
    $1 + 17 = 18$
    $7 + 1 = 8$, $1 + 1 = 2$
    $1 + 14 = 15$
2. $13 + 1 = 14$, $14 + 1 = 15$
    $6 + 1 = 7$, $17 + 1 = 18$
    $8 + 1 = 9$, $1 + 2 = 3$
    $1 + 9 = 10$, $1 + 16 = 17$
    $1 + 11 = 12$, $1 + 19 = 20$
3. $11 + 1 + 0 = 12$
    $5 + 1 + 0 = 6$
    $0 + 13 + 1 = 14$
4. ✓, ✗, ✗, ✗, ✓, ✗

Page 8

1. $5 + 12 = 12 + 5$
    $15 + 4 = 4 + 15$
    $11 + 8 = 8 + 11$
    $7 + 13 = 13 + 7$
    $4 + 13 = 13 + 4$
    $12 + 7 = 7 + 12$
    $13 + 5 = 5 + 13$
    $6 + 11 = 11 + 6$
    $3 + 12 = 12 + 3$

2. $6 + 13 = 13 + 6$
    $18 + 2 = 2 + 18$
    $4 + 15 = 15 + 4$
    $13 + 7 = 7 + 13$
    $9 + 11 = 11 + 9$
    $12 + 6 = 6 + 12$
    $7 + 12 = 12 + 7$
    $12 + 8 = 8 + 12$
    $14 + 5 = 5 + 14$

Page 9

Look Back – Double Trouble

1. $1 + 1 = 2$, $3 + 3 = 6$
    $6 + 6 = 12$, $9 + 9 = 18$
    $4 + 4 = 8$, $8 + 8 = 16$
    $10 + 10 = 20$, $7 + 7 = 14$
2. Double 2 is 4
    Double 4 is 8
    Double 6 is 12
    Double 8 is 16
    Double 7 is 14
    Double 9 is 18
    Double 5 is 10
    Double 3 is 6
    Double 1 is 2
3. $3 + 3 = 6$, $7 + 7 = 14$
    $5 + 5 = 10$, $10 + 10 = 20$
    $2 + 2 = 4$, $8 + 8 = 16$
4. $10 = 5 + 5$, $6 = 3 + 3$
    $12 = 6 + 6$, $8 = 4 + 4$
    $4 = 2 + 2$, $16 = 8 + 8$
    $20 = 10 + 10$, $14 = 7 + 7$
    $18 = 9 + 9$

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Near Doubles

1. $4 + 5 = 4 + 4 + 1 = 9$
    $3 + 4 = 3 + 3 + 1 = 7$
    $5 + 6 = 5 + 5 + 1 = 11$
    $7 + 8 = 7 + 7 + 1 = 15$
    $8 + 9 = 8 + 8 + 1 = 17$
    $9 + 10 = 9 + 9 + 1 = 19$
    $10 + 11 = 10 + 10 + 1 = 21$
    $2 + 3 = 2 + 2 + 1 = 5$
2. $5 + 5 = 10$, $3 + 3 = 6$
    $8 + 8 = 16$, $2 + 2 = 4$
    $4 + 4 = 8$, $7 + 8 = 15$
    $6 + 7 = 13$, $9 + 10 = 19$
    $10 + 11 = 21$

3. $6 + 6 = 12, 3 + 2 = 5$
   $9 + 8 = 17, 2 + 3 = 5$
   $5 + 4 = 9, 7 + 6 = 13$
   $6 + 5 = 11, 4 + 3 = 7$
   $10 + 9 = 19$

Page 11
1. $4 + 4 + 5 = 13$
   $6 + 6 + 3 = 15$
   $3 + 3 + 6 = 12$
   $4 + 4 + 6 = 14$
   $7 + 7 + 4 = 18$
   $8 + 8 + 1 = 17$
   $9 + 9 + 2 = 20$
   $10 + 10 + 1 = 21$
   $5 + 6 + 6 = 17$
2. $6 + 7 + 1 = 14$
   $2 + 3 + 0 = 5$
   $5 + 6 + 1 = 12$
   $4 + 5 + 3 = 12$
   $8 + 9 + 1 = 18$
   $10 + 11 + 0 = 21$
3. $4 + 3 = 4 + 4 - 1 = 7$
   $3 + 2 = 3 + 3 - 1 = 5$
   $5 + 4 = 5 + 5 - 1 = 9$
   $7 + 6 = 7 + 7 - 1 = 13$
   $8 + 7 = 8 + 8 - 1 = 15$
   $9 + 8 = 9 + 9 - 1 = 17$

Page 12
1. $5 + 7 + 3 = 15$
   $7 + 3 + 5 = 15$
   $3 + 5 + 7 = 15$
2. $2 + 6 + 4 = 12$
   $6 + 4 + 2 = 12$
   $4 + 2 + 6 = 12$
3. $3 + 4 + 7 = 14$
   $4 + 7 + 3 = 14$
   $7 + 3 + 4 = 14$
4. $4 + 1 + 9 = 14$
   $1 + 4 + 9 = 14$
   $9 + 1 + 4 = 14$
5. $5 + 6 + 4 = 15$
   $6 + 5 + 4 = 15$
   $4 + 6 + 5 = 15$
6. $6 + 3 + 0 = 9$
   $3 + 6 + 0 = 9$
   $0 + 3 + 6 = 9$

Page 13
Fact Families
1. $3 + 2 = 5, 2 + 3 = 5$
   $5 - 3 = 2, 5 - 2 = 3$
   $6 + 3 = 9, 3 + 6 = 9$
   $9 - 6 = 3, 9 - 3 = 6$
   $7 + 5 = 12, 5 + 7 = 12$

$12 - 7 = 5, 12 - 5 = 7$
   $9 + 7 = 16, 7 + 9 = 16$
   $16 - 9 = 7, 16 - 7 = 9$
2. $7 + 3 = 10, 3 + 7 = 10$
   $10 - 7 = 3, 10 - 3 = 7$
   $8 + 5 = 13, 5 + 8 = 13$
   $13 - 5 = 8, 13 - 8 = 5$
   $8 + 7 = 15, 7 + 8 = 15$
   $15 - 8 = 7, 15 - 7 = 8$
   $12 + 7 = 19, 7 + 12 = 19$
   $19 - 12 = 7, 19 - 7 = 12$
3. $13 + 3 = 16, 3 + 13 = 16$
   $16 - 3 = 13, 16 - 13 = 3$
   $11 + 7 = 18, 7 + 11 = 18$
   $18 - 7 = 11, 18 - 11 = 7$

Puzzler: 21

Page 14
Adding on Ten
1. $10 + 3 = 13, 10 + 4 = 14$
   $10 + 6 = 16, 10 + 0 = 10$
2. $5 + 10 = 15, 8 + 10 = 18$
   $3 + 10 = 13, 2 + 10 = 12$
3. $10 + 5 = 15, 10 + 7 = 17$
   $10 + 9 = 19, 10 + 4 = 14$
   $10 + 6 = 16, 10 + 1 = 11$
   $10 + 3 = 13, 10 + 8 = 18$
   $9 + 10 = 19, 4 + 10 = 14$
   $7 + 10 = 17$
4. $6 + 10 = 16, 4 + 10 = 14$
   $7 + 10 = 17, 9 + 10 = 19$
   $10 + 5 = 15, 10 + 2 = 12$
   $10 + 8 = 18, 10 + 1 = 11$
5. $2 + 7 + 8 = 17$
   $5 + 8 + 5 = 18$
   $7 + 6 + 3 = 16$
   $9 + 4 + 1 = 14$
   $8 + 9 + 2 = 19$
   $3 + 6 + 7 = 16$
   $4 + 6 + 1 = 11$
   $10 + 1 + 9 = 20$

Page 15
Count On
1. $7 + 4 = 11, 13 + 13 = 26$
   $5 + 8 = 13, 12 + 7 = 19$
   $6 + 7 = 13, 14 + 5 = 19$
   $12 + 8 = 20, 5 + 12 = 17$
   $8 + 8 = 16, 9 + 10 = 19$
   $17 + 3 = 20, 16 + 3 = 19$
2. $10 + 10 = 20, 9 + 6 = 15$
   $8 + 9 = 17, 12 + 5 = 17$
   $15 + 5 = 20, 7 + 8 = 15$
   $18 + 2 = 20, 14 + 4 = 18$
   $10 + 9 = 19, 17 + 2 = 19$
   $13 + 6 = 19$

Page 16
Adding Three Numbers
1. $5 + 5 + 9 = 19$
   $9 + 1 + 10 = 20$
   $7 + 3 + 8 = 18$
   $6 + 4 + 8 = 18$
   $4 + 6 + 10 = 20$
   $8 + 2 + 9 = 19$
   $3 + 8 + 3 = 14$
   $6 + 6 + 3 = 15$
   $12 + 3 + 4 = 19$
   $13 + 3 + 2 = 18$
   $7 + 7 + 6 = 20$
   $8 + 3 + 8 = 19$
2. $6 + 2 + 6 = 14$
   $8 + 3 + 7 = 18$
   $5 + 4 + 6 = 15$
   $3 + 8 + 9 = 20$
   $6 + 6 + 6 = 18$
   $7 + 8 + 4 = 19$
   $4 + 7 + 6 = 17$
   $9 + 8 + 1 = 18$
   $2 + 9 + 6 = 17$
   $0 + 5 + 9 = 14$
3. $9 + 7, 8 + 8, 10 + 6$
   $9 + 9, 12 + 6, 14 + 4$
   $10 + 10, 15 + 5, 13 + 7$
   $12 + 8$

3. Subtraction 1
Page 17
Look Back
1. $9 - 3 = 6, 11 - 4 = 7$
   $12 - 6 = 6, 8 - 2 = 6$
   $15 - 8 = 7$
2. $17 - 4 = 13, 16 - 6 = 10$
   $11 - 8 = 3, 19 - 7 = 12$
   $13 - 3 = 10, 10 - 5 = 5$
   $9 - 6 = 3, 12 - 4 = 8$
   $16 - 8 = 8, 11 - 5 = 6$
   $8 - 1 = 7, 17 - 9 = 8$
   $15 - 9 = 6, 12 - 7 = 5$
   $13 - 5 = 8, 19 - 6 = 13$
   $20 - 8 = 12, 14 - 2 = 12$
   $17 - 4 = 13, 16 - 7 = 9$
   $18 - 10 = 8, 11 - 6 = 5$
   $10 - 1 = 9, 17 - 5 = 12$
   $12 - 3 = 9, 13 - 8 = 5$
   $14 - 8 = 6, 20 - 10 = 10$
   $15 - 8 = 7, 13 - 9 = 4$
   $17 - 3 = 14, 16 - 9 = 7$

Page 18
More Subtraction
1. $20 - 7 = 13$, $11 - 4 = 7$
   $14 - 3 = 11$, $10 - 7 = 3$
   $9 - 5 = 4$, $16 - 6 = 10$
   $8 - 4 = 4$, $17 - 5 = 12$
   $12 - 9 = 3$, $18 - 5 = 13$
   $7 - 2 = 5$, $15 - 9 = 6$
   $17 - 6 = 11$, $11 - 7 = 4$
   $19 - 5 = 14$, $17 - 1 = 16$
   $20 - 3 = 17$, $6 - 4 = 2$
   $8 - 7 = 1$, $13 - 6 = 7$
2. $15 - 0 = 15$, $7 - 6 = 1$
   $13 - 2 = 11$, $16 - 4 = 12$
   $19 - 2 = 17$, $11 - 3 = 8$
   $15 - 4 = 11$, $16 - 9 = 7$
3. $8 - 8 = 0$, $7 - 4 = 3$
   $9 - 3 = 6$, $11 - 9 = 2$
   $17 - 5 = 12$, $14 - 3 = 11$
   $9 - 8 = 1$, $10 - 5 = 5$
4. $20 - 8 = 12$, $17 - 4 = 13$
   $16 - 7 = 9$, $18 - 10 = 8$
   $11 - 6 = 5$, $14 - 8 = 6$
   $17 - 4 = 13$, $13 - 8 = 5$

Page 19
Subtraction Problems
1. $14 - 3 = 11$
2. $19 - 7 = 12$
3. $18 - 9 = 9$
4. $15 - 7 = 8$
5. $17 - 8 = 9$
6. 9, 7, 11
   10, 8, 12
   11, 9, 13
   10, 11, 12
   12, 13, 14
   14, 15, 16
   5, 7, 9
   6, 8, 10
   7, 9, 11

Page 20
Number Sentences
1. $15 + 5 = 20$, $12 - 4 = 8$
   $14 + 4 = 18$
   $10 - 10 = 0$, $19 - 11 = 8$
   $16 - 12 = 4$
   $17 - 3 = 14$, $15 - 12 = 3$
   $20 - 4 = 16$
   $18 - 6 = 12$, $12 + 7 = 19$
   $13 + 3 = 16$
   $5 + 13 = 18$, $7 + 11 = 18$
   $16 - 11 = 5$

2. $12 - 6 = 6$, $12 - 4 = 8$
   $19 - 7 = 12$
   $14 - 3 = 11$, $17 - 7 = 10$
   $18 - 2 = 16$
   $13 - 6 = 7$, $18 - 5 = 13$
   $20 - 4 = 16$
   $15 - 7 = 8$, $10 - 6 = 4$
   $16 - 14 = 2$
3. 11 minus $4 = 7$
   Take 3 from $15 = 12$
   18 subtract $5 = 13$
   Take 6 from $17 = 11$
   19 minus $10 = 19$
   Subtract 7 from $18 = 11$
4. 6
5. 8

Page 21
Number Problems
1. 11
2. 7
3. 11
4. 5
5. 8
Puzzler: Teacher check

4. Addition and Subtraction to 20
Page 22
1. $11 - 7 = 4$
2. $9 - 2 = 7$
3. $7 + 6 = 13$
4. $14 - 4 = 10$
5. $17 - 14 = 3$
6. $13 + 5 = 18$

5. Counting and Numeration 1
Page 23
1. 14, 16, 17
   15, 11, 13
3. 6, 9, 14, 16, 20
   2, 7, 11, 13, 19
   1, 3, 6, 15, 18
   3, 8, 10, 16, 17

6. Place Value 1
Page 24
Tens and Units
1. 1 ten 6 units
   1 ten 9 units
   2 tens 1 unit
   1 ten 5 units
   1 ten 7 units
   2 tens 3 units
   1 ten 8 units
   2 tens 0 units

Page 27
Figure it Out!
1. $16 = 1$ ten and 6 units
   $23 = 2$ tens and 3 units
   $19 = 1$ ten and 9 units
   $34 = 3$ tens and 4 units
   $11 = 1$ ten and 1 unit
   $25 = 2$ tens and 5 units
   $42 = 4$ tens and 2 units
   $55 = 5$ tens and 5 units
   $78 = 7$ tens and 8 units
2. $99 = 9$ tens and 9 units
   $83 = 8$ tens and 3 units
   $65 = 6$ tens and 5 units
   $79 = 7$ tens and 9 units
   $12 = 1$ ten and 2 units
   $47 = 4$ tens and 7 units
   $20 = 2$ tens and 0 units
   $51 = 5$ tens and 1 unit
   $10 = 1$ ten and 0 units
3. 1 ten and 3 units $= 13$
   2 tens and 8 units $= 28$
   4 tens and 1 unit $= 41$
   6 tens and 6 units $= 66$
   7 tens and 3 units $= 73$
   9 tens and 1 unit $= 91$
   2 tens and 4 units $= 24$
   5 tens and 8 units $= 59$
   3 tens and 5 units $= 35$
4. 8 tens and 3 units $= 83$
   4 tens and 6 units $= 46$
   1 ten and 8 units $= 18$
   9 tens and 4 units $= 94$
   7 tens and 1 unit $= 71$
   4 tens and 9 units $= 49$
   2 tens and 6 units $= 26$
   3 tens and 4 units $= 34$
   0 tens and 8 units $= 8$

Puzzler:
$99 = 9$ tens and 9 units
$88 = 8$ tens and 8 units
Altogether, 17 tens and 17 units

7. Data

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Birthday Party Activities

1. 6
2. 4
3. 7
4. Art
5. Cinema
6. 2
7. 17
8. 13
9. 1
10. 2

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Seasonal Birthdays

1. 8
2. Spring
3. Winter
4. 21
5. 5
6. 2
7. 14
8. 13

Page 30

A Trip to the Zoo

1. 4 elephants, 3 giraffes, 2 tigers, 5 monkeys

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2. a) 1   b) 1
   c) 6   d) 3
   e) 2   f) false
   g) false h) true

   Puzzler: 15

8. Addition 2

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Adding on to Nine

1. $9 + 3 = 10 + 2$
2. $9 + 7 = 10 + 6$
3. $9 + 5 = 10 + 4$
4. $9 + 8 = 10 + 7$
5. $9 + 2 = 10 + 1$
6. $9 + 6 = 10 + 5$

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Addition – Twenty and Beyond!

1. $20 + 0 = 20$, $19 + 1 = 20$
   $18 + 2 = 20$
   $17 + 3 = 20$, $16 + 4 = 20$
   $15 + 5 = 20$
   $14 + 6 = 20$, $13 + 7 = 20$
   $12 + 8 = 20$
   $11 + 9 = 20$, $10 + 10 = 20$
   $9 + 11 = 20$
2. $15 + 3 + 5 = 23$
   $19 + 1 + 4 = 24$
   $6 + 10 + 10 = 26$
   $2 + 5 + 18 = 25$
   $17 + 3 + 8 = 28$
   $8 + 16 + 4 = 28$
   $1 + 11 + 9 = 21$
   $12 + 9 + 8 = 29$

   Puzzler: 21, 28, 36, 45

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1. $12 + 7 + 8 = 27$
   $15 + 9 + 5 = 29$
   $7 + 13 + 4 = 24$
   $6 + 8 + 14 = 28$
   $16 + 4 + 5 = 25$
   $3 + 5 + 15 = 23$
   $5 + 11 + 9 = 25$
   $6 + 18 + 2 = 26$
   $19 + 7 + 1 = 27$
   $8 + 3 + 12 = 23$
   $3 + 6 + 18 = 26$
   $4 + 16 + 1 = 21$
2. $2 + 12 + 8 = 22$
   $14 + 6 + 4 = 24$
   $15 + 8 + 5 = 28$
   $13 + 7 + 5 = 25$
   $9 + 18 + 2 = 29$
   $7 + 19 + 1 = 27$
   $10 + 4 + 10 = 24$
   $3 + 3 + 17 = 23$
   $11 + 7 + 9 = 27$
   $10 + 9 + 10 = 29$
   $13 + 9 + 7 = 29$
   $9 + 11 + 8 = 28$

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Addition to 99

1. $4 + 7 + 4 = 15$
   $3 + 13 + 3 = 19$
   $5 + 5 + 8 = 18$
   $2 + 12 + 7 = 21$
   $2 + 10 + 7 = 19$
   $3 + 6 + 9 = 18$
   $0 + 14 + 6 = 20$
   $1 + 12 + 3 = 16$
   $3 + 5 + 12 = 20$
2. $17 + 11 = 28$, $24 + 12 = 36$
   $16 + 21 = 37$, $22 + 15 = 37$
   $36 + 22 = 58$, $18 + 21 = 39$
   $28 + 11 = 39$, $16 + 22 = 38$
3. $10 + 39 = 49$, $43 + 6 = 49$
   $1 + 44 = 45$, $24 + 15 = 39$
   $17 + 32 = 49$, $15 + 33 = 48$
   $12 + 36 = 48$, $20 + 30 = 50$

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1. $15 + 12 = 27$, $16 + 13 = 29$
   $25 + 13 = 38$, $18 + 21 = 39$
   $33 + 23 = 56$, $22 + 35 = 57$
   $18 + 31 = 49$, $32 + 23 = 55$
   $48 + 11 = 59$, $16 + 52 = 68$
   $41 + 8 = 49$, $22 + 14 = 36$
   $10 + 37 = 47$, $83 + 6 = 89$
   $41 + 24 = 65$, $3 + 54 = 57$
   $24 + 25 = 49$, $15 + 33 = 48$
   $15 + 34 = 49$, $12 + 36 = 48$
   $20 + 30 = 50$, $43 + 3 = 46$
   $36 + 21 = 57$, $15 + 34 = 49$
   $7 + 22 = 29$, $34 + 2 = 36$
   $44 + 15 = 59$, $25 + 51 = 76$
   $3 + 85 = 88$, $25 + 50 = 75$
   $45 + 24 = 69$, $21 + 54 = 75$
   $23 + 35 = 58$, $16 + 83 = 99$
   $12 + 64 = 76$, $12 + 36 = 48$
   $29 + 70 = 99$, $43 + 32 = 75$
   $45 + 41 = 86$, $24 + 54 = 78$
   $3 + 65 = 68$, $70 + 3 = 73$
   $3 + 64 = 67$, $42 + 37 = 79$

9. Check-up 1

Page 37

1. 6, 7, 8
   7, 8, 9
   8, 9, 10
   12, 14, 16
   14, 16, 18
   16, 18, 20
   4, 5, 6
   3, 4, 5
   2, 3, 4
   12, 13, 14
   10, 11, 12
   8, 9, 10
2. 16, 18, 19, 20
   8, 10, 11
   13, 15, 16
4. 13, 31, 47, 52
5. $17 + 22 = 39$, $36 + 13 = 49$
   $28 + 31 = 59$, $14 + 22 = 36$
   $51 + 6 = 57$, $42 + 55 = 97$
   $10 + 39 = 49$, $43 + 13 = 56$
   $24 + 53 = 77$
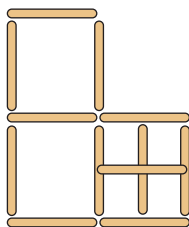
10. 2-D Shapes

1. circle
2. rectangle
3. square
4. triangle
5. circle
6. semi-circle

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3. 2, 10, 2
   13, 3, 2

Puzzler:
e.g.

Page 40

1. circle, 1, 0, ✓, ✗
   triangle, 3, 3, ✗, ✓
   oval, 1, 0, ✓, ✗
   semi-circle, 2, 2, ✓, ✓
   rectangle, 4, 4, ✗, ✓
   square, 4, 4, ✗, ✓
2. a) square   b) semi-circle
   c) circle, oval   d) rectangle
   e) circle, oval   f) semi-circle

11. Angles

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1. ✓, ✗, ✗, ✓, ✗, ✓

Puzzler: Teacher check

12. Subtraction 2

Page 44

1. $76 - 34 = 42$, $88 - 52 = 36$
   $58 - 34 = 24$
   $97 - 63 = 34$, $68 - 47 = 21$
   $49 - 33 = 16$
2. $96 - 53 = 43$, $85 - 55 = 30$
   $79 - 35 = 44$, $29 - 16 = 13$,
   $86 - 34 = 52$, $95 - 51 = 44$
   $77 - 42 = 35$
3. $48 - 38 = 10$, $79 - 53 = 26$
   $95 - 62 = 33$, $90 - 50 = 40$
   $82 - 21 = 61$, $54 - 44 = 10$
   $79 - 53 = 26$

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1. $58 - 31 = 27$, $60 - 30 = 30$
   $65 - 40 = 25$, $70 - 40 = 30$
   $38 - 14 = 24$, $40 - 10 = 30$
   $77 - 42 = 35$, $80 - 40 = 40$
   $92 - 61 = 31$, $90 - 60 = 30$
   $86 - 33 = 53$, $90 - 30 = 60$
   $65 - 32 = 33$, $70 - 30 = 40$
   $57 - 34 = 23$, $60 - 30 = 30$
   $59 - 34 = 25$, $60 - 30 = 30$
   $83 - 12 = 71$, $80 - 10 = 70$
   $69 - 56 = 13$, $70 - 60 = 10$

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1. $26 - 14 = 12$, $68 - 43 = 25$
   $57 - 24 = 33$, $76 - 36 = 40$
   $86 - 47 = 12$, $79 - 33 = 46$
2. $69 - 53 = 16$, $39 - 24 = 15$
   $85 - 55 = 30$, $79 - 35 = 44$
   $68 - 26 = 42$, $29 - 16 = 13$
3. $77 - 32 = 45$, $65 - 23 = 42$
   $29 - 13 = 16$, $75 - 41 = 34$
4. $60 - 20 = 40$, $95 - 34 = 61$
   $78 - 62 = 16$, $95 - 45 = 50$
5. $32 - 11 = 21$, $56 - 22 = 34$
   $59 - 31 = 28$, $69 - 28 = 41$
6. $87 - 44 = 43$, $48 - 33 = 15$
   $86 - 53 = 33$, $31 - 10 = 21$

Puzzler: 3, 4, 2, 1
   1, 2, 4, 3
   4, 3, 1, 2
   2, 1, 3, 4

13. Time 1

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The Calendar
2. 31
3. 5
4. Thursday
5. Saturday
6. 22nd of May
7. 13th of May
8. 11th of May
9. 26th of May
10. 12th of May

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Months and Seasons
Spring: 89 or 90
Summer: 96
Autumn: 92
Winter: 92

1. 4
2. 12
3. 3
4. winter
6. spring
7. autumn
8. autumn
9. summer

14. Length

Page 53

1. a) 6cm   b) 3cm   c) 11cm
   d) 4cm + 10cm = 14cm
3. 7m
4. a) Tom's   b) 25cm
5. b) A metre stick
6. centimetres

15. Addition 3

Page 54

1. 29, 42, 38
2. $5 + 10 = 15$
   $8 + 10 = 18$
   $3 + 10 = 13$
   $6 + 10 = 16$
   $15 + 10 = 25$
   $18 + 10 = 28$
   $13 + 10 = 23$
   $16 + 10 = 26$
   $25 + 10 = 35$
   $28 + 10 = 38$
   $23 + 10 = 33$
   $26 + 10 = 36$
   $35 + 10 = 45$
   $38 + 10 = 48$
   $33 + 10 = 43$
   $36 + 10 = 46$
3. $12 + 10 = 22$
   $14 + 10 = 24$
   $17 + 10 = 27$
   $11 + 10 = 21$
   $22 + 10 = 32$
   $24 + 10 = 34$
   $27 + 10 = 37$
   $21 + 10 = 31$
   $32 + 10 = 42$
   $34 + 10 = 44$
   $37 + 10 = 47$
   $31 + 10 = 41$
   $42 + 10 = 52$
   $44 + 10 = 54$
   $47 + 10 = 57$
   $41 + 10 = 51$

Cracking Maths Pupil's Book Answers – 2nd Class

Page 55

1. 16 + 10 = 26
   10 + 28 = 38
   32 + 10 = 42
   10 + 49 = 59
   10 + 69 = 79
   10 + 71 = 81
   10 + 80 = 90
   25 + 10 = 35
2. 10 + 45 = 55
   10 + 29 = 39
   10 + 49 = 59
   10 + 62 = 72
   10 + 84 = 94
   10 + 56 = 66
   10 + 31 = 41
   10 + 83 = 93

Addition to 100

3. 73 + 4 = 77, 48 + 2 = 50
   51 + 5 = 56, 62 + 3 = 65
4. 41 + 5 = 46, 74 + 3 = 77
   81 + 5 = 86, 85 + 3 = 88
5. 64 + 3 = 67, 22 + 4 = 26
   14 + 5 = 19, 82 + 5 = 87
6. 26 + 4 = 30, 35 + 4 = 39
   72 + 7 = 79, 92 + 8 = 100
7. 85 + 3 = 88, 36 + 3 = 39
   74 + 2 = 76, 86 + 3 = 89

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Adding on in Tens

1. 50 + 10 = 60
   50 + 20 = 70
   50 + 30 = 80
   50 + 40 = 90
   10 + 10 = 20
   10 + 20 = 30
   10 + 30 = 40
   10 + 40 = 50
   60 + 10 = 70
   60 + 20 = 80
   60 + 30 = 90
   60 + 40 = 100
   20 + 10 = 30
   20 + 20 = 40
   20 + 30 = 50
   20 + 40 = 60
2. 24 + 12 = 36
   27 + 13 = 40
   25 + 23 = 48
   36 + 33 = 69
   33 + 46 = 79
   44 + 23 = 67
   55 + 24 = 79

57 + 13 = 70
80 + 18 = 98
46 + 42 = 88
62 + 36 = 98
71 + 28 = 99

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Addition to 100 (Renaming)

1. 16 + 8 = 24, 17 + 9 = 26
   28 + 8 = 36, 28 + 4 = 32
   35 + 9 = 44, 45 + 6 = 51
   55 + 8 = 63
2. 17 + 18 = 35, 27 + 17 = 44
   18 + 36 = 54, 29 + 15 = 44
   15 + 37 = 52, 35 + 18 = 53
   26 + 29 = 55

Puzzler: 7 + 15 = 22
   20 + 6 = 26
   19 + 8 = 27
   6 + 17 = 23
   17 + 17 = 34
   25 + 26 = 51
   18 + 5 = 23
   19 + 15 = 34
   16 + 12 = 28
   8 + 17 = 25
   a dinosnore

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Adding to 100

1. 16 + 23 = 39
   15 + 19 = 34
   25 + 27 = 52
   16 + 54 = 70
   63 + 18 = 81
   39 + 24 = 63
   57 + 28 = 85
   11 + 38 = 49
   47 + 12 = 59
   69 + 10 = 79
   39 + 18 = 57
   76 + 6 = 82
   38 + 34 = 72
   49 + 19 = 68
   25 + 49 = 74
   17 + 67 = 84
   44 + 35 = 79
   15 + 62 = 77
   44 + 14 = 58
   35 + 43 = 78
   19 + 27 = 46
   15 + 38 = 53
   35 + 15 = 50
   62 + 17 = 79

83 + 14 = 97
68 + 28 = 96
18 + 19 = 37
46 + 27 = 73
30 + 38 = 68
26 + 19 = 45
53 + 26 = 79
10 + 59 = 69
24 + 35 = 59
56 + 9 = 65
4 + 27 = 31
2 + 38 = 40
26 + 7 = 33
9 + 24 = 33
19 + 59 = 78

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Puzzler:

6		
5		
3	4	7

2. 16 + 12 + 23 = 51
   15 + 25 + 19 = 59
   25 + 5 + 27 = 57
   16 + 21 + 54 = 91
   27 + 37 + 35 = 99
   39 + 20 + 4 = 63
   57 + 12 + 8 = 77
   11 + 30 + 38 = 79
   47 + 16 + 12 = 75
   69 + 4 + 10 = 83
   39 + 3 + 14 = 56
   76 + 14 + 6 = 96
   35 + 33 + 13 = 81
   16 + 23 + 26 = 65
   15 + 22 + 30 = 67
   35 + 6 + 15 = 56
   62 + 10 + 17 = 89
   53 + 6 + 14 = 73
   28 + 21 + 28 = 77
   15 + 2 + 12 = 29
   13 + 22 + 4 = 39
   30 + 31 + 39 = 99
   26 + 33 + 19 = 7
   53 + 14 + 26 = 93
   10 + 21 + 58 = 89

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Number Stories at the Cinema

1. 49
2. 49
3. 39

16. 100-Square Subtraction

Page 61

1. $73 - 2 = 71$, $48 - 5 = 43$
   $59 - 6 = 53$, $68 - 3 = 65$
   $47 - 5 - 42$, $74 - 3 = 71$
   $86 - 4 = 82$, $85 - 3 = 82$
   $67 - 6 = 61$, $29 - 4 = 25$
   $18 - 2 = 16$, $83 - 1 = 82$
   $36 - 2 = 34$, $65 - 3 = 62$
   $48 - 7 = 41$, $45 - 4 = 41$
2. $23 - 4 = 19$, $35 - 7 = 28$
   $72 - 7 = 65$, $92 - 8 = 84$
   $85 - 8 = 77$, $36 - 9 = 27$
   $54 - 9 = 45$, $66 - 8 = 58$
   $25 - 5 = 20$, $22 - 5 = 17$
   $41 - 5 = 36$, $34 - 4 = 30$
   $27 - 9 = 18$, $83 - 5 = 78$
   $73 - 4 = 69$, $82 - 5 = 77$

Page 62
Counting Back in Tens

1. $80 - 10 = 70$, $50 - 20 = 30$
   $70 - 30 = 40$, $60 - 40 = 20$
   $50 - 10 = 40$, $70 - 20 = 50$
   $90 - 30 = 60$, $40 - 20 = 20$
   $60 - 10 = 50$, $90 - 20 = 70$
   $50 - 30 = 20$, $80 - 40 = 40$
2. $24 - 11 = 13$, $27 - 12 = 15$
   $66 - 13 = 53$, $62 - 31 = 31$
   $32 - 22 = 10$, $36 - 23 = 13$
   $73 - 21 = 52$, $53 - 24 = 29$
   $44 - 33 = 11$, $48 - 32 = 16$
   $55 - 17 = 38$, $82 - 16 = 66$
   $79 - 28 = 51$, $80 - 18 = 62$
   $41 - 32 = 9$, $100 - 43 = 57$

17. Counting and Numeration 2

Page 64
Rounding to the Nearest Ten

1. $27 \rightarrow 30$
   $42 \rightarrow 40$
   $51 \rightarrow 50$
   $39 \rightarrow 40$
   $68 \rightarrow 70$
   $14 \rightarrow 10$
   $15 \rightarrow 20$
   $80 \rightarrow 80$
   $96 \rightarrow 100$
   $33 \rightarrow 30$
2. 31, 39, 18, 83, 65, 92

Page 65

1. 13 rounds to 10
   26 rounds to 30
   34 rounds to 30
   45 rounds to 50
   98 rounds to 100
   62 rounds to 60
   89 rounds to 90
   77 rounds to 80
   15 rounds to 20
2. $18 + 21 = 39$
   $30 + 30 = 60$
   $27 + 32 = 59$
   $30 + 10 = 40$
   $33 + 14 = 47$
   $40 + 40 = 80$
   $44 + 36 = 80$
   $60 + 20 = 80$
   $55 + 18 = 73$
4. 40
5. 50

18. Check-up 2

Page 66

2. oval, semi-circle
3. right
4. $67 - 22 = 45$,
   $49 - 25 = 24$,
   $58 - 23 = 35$
   $97 - 50 = 47$
5. $48 + 27 = 75$
   $29 + 33 = 62$
   $65 + 25 = 90$
   $39 + 47 = 86$
6. $32 \rightarrow 30$, $47 \rightarrow 50$, $21 \rightarrow 20$
   $75 \rightarrow 80$, $88 \rightarrow 90$
7. 24, 7, 12
9. 5cm

19. Comparing and Ordering

Page 67

1. a) 15, b) 13, c) 21, d) 16,
   e) 19, f) 12, g) 35, h) 55, i) 63
2. a) 13, b) 7, c) 12, d) 16,
   e) 16, f) 14, g) 10, h) 13, i) 22

Page 68

1. $11 < 17$, $21 > 11$, $25 > 16$
   $29 > 16$, $17 < 43$, $12 < 55$
   $18 < 19$, $33 > 15$, $44 > 12$
   $16 < 41$, $35 < 57$, $47 < 59$
   $13 < 19$, $25 < 44$, $31 > 17$
   $20 < 25$, $42 > 38$, $57 < 75$

2. $10 < 20$, $32 > 19$, $16 = 16$
   $25 < 36$, $18 < 43$, $14 < 31$
   $18 = 18$, $33 = 33$, $29 > 19$
   $14 < 41$, $23 < 53$, $47 = 47$
   $22 = 22$, $55 > 35$, $76 > 67$
   $12 > 11$, $50 > 5$, $10 = 10$

Page 69
True or False?
True, False, False, False, False, True

Page 70
Work it Out!

1. $15 < 14 + 3$, $11 < 20 - 5$
   $7 < 15 - 0$, $10 < 70 - 10$
2. $15 < 19 - 2$, $25 < 40 + 10$
   $16 + 8 > 22$, $16 + 4 > 19$
3. $9 + 9 > 14 - 8$
   $50 + 10 > 35 + 12$
   $3 + 8 > 10 - 8$
4. $0 + 9 < 9 + 1$
   $18 - 6 < 9 + 8$,
   $12 - 10 < 5 + 8$
5. $54 + 10 = 34 + 30$
   $32 + 20 > 28 + 20$
6. $10 + 80 > 75 - 10$
   $20 + 8 > 8 + 4$
7. 72 is less than 87
   62 is greater than 51
   32 is equal to 32

Puzzler: 4 ducks

Page 71
Ordinal Numbers

1. Wednesday
2. Friday
3. 5th
4. 25th
5. 5
6. 6th and 20th
7. 10th
8. 15th
9. basketball
10. 4th
11. 31

Page 72
T E L E V I S I O N

Puzzler: No

20. Spatial Awareness

Page 73

1. a) right   b) left
   c) beside   d) above
   e) next to   f) below

21. Symmetry

Page 74

1. ✓, ✗, ✓, ✓, ✗, ✓

Page 75

3. a) true   b) false
   c) false   d) true
4. ✗, ✓, ✓, ✓, ✓, ✗

22. Subtraction 3

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Tens and Units

1. $33 - 7 = 26$
2. $44 - 8 = 36$
3. $36 - 9 = 27$
4. $63 - 5 = 58$
5. $52 - 5 = 47$
6. $71 - 7 = 64$

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1. $60 - 6 = 54$
2. $57 - 8 = 49$
3. $22 - 5 = 17$
4. $41 - 6 = 35$
5. $35 - 7 = 28$
6. $45 - 8 = 37$
7. $28 - 9 = 19$
8. $15 - 8 = 7$
9. $41 - 2 = 39$
10. $30 - 3 = 27$
11. $68 - 9 = 59$
12. $35 - 8 = 27$
13. $20 - 6 = 14$
14. $14 - 9 = 5$

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2. $73 - 25 = 48$
3. $72 - 15 = 57$
4. $81 - 27 = 54$
5. $60 - 36 = 24$
6. $51 - 48 = 3$
7. $32 - 25 = 7$
8. $51 - 36 = 15$
9. $63 - 17 = 46$
10. $57 - 29 = 28$

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Renaming

1. $31 - 19 = 12$, $47 - 28 = 19$
   $63 - 44 = 19$, $51 - 35 = 16$
   $72 - 56 = 16$
2. $42 - 18 = 24$, $53 - 34 = 19$
   $33 - 15 = 18$, $66 - 28 = 38$
   $81 - 47 = 34$
3. $31 - 18 = 13$, $37 - 29 = 8$
   $53 - 45 = 8$, $41 - 36 = 5$
   $62 - 57 = 5$
4. $21 - 9 = 12$, $34 - 19 = 15$
   $77 - 59 = 18$, $40 - 25 = 15$
   $85 - 58 = 27$

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1. $64 - 18 = 46$, $40 - 16 = 24$
   $75 - 27 = 48$, $36 - 9 = 27$
   $92 - 66 = 26$
2. $54 - 27 = 27$, $60 - 21 = 39$
   $38 - 19 = 19$, $63 - 54 = 9$
   $46 - 38 = 8$
3. $50 - 36 = 14$, $32 - 13 = 19$
   $82 - 29 = 53$, $44 - 17 = 27$
   $67 - 38 = 29$
4. $42 - 37 = 5$, $20 - 12 = 8$
   $46 - 8 = 38$, $55 - 16 = 39$
   $74 - 29 = 45$

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Mixed Subtraction

1. $74 - 57 = 17$, $90 - 60 = 30$
   $73 - 26 = 47$, $48 - 12 = 36$
   $81 - 65 = 16$, $50 - 9 = 41$
   $88 - 47 = 41$
2. $98 - 61 = 37$, $59 - 1 = 58$
   $76 - 59 = 17$, $72 - 56 = 16$
   $32 - 11 = 21$, $53 - 23 = 30$
   $60 - 27 = 33$
3. $94 - 30 = 64$, $67 - 52 = 15$
   $46 - 23 = 23$, $24 - 4 = 20$
   $54 - 10 = 44$, $61 - 46 = 15$
   $72 - 58 = 14$
4. $45 - 35 = 10$, $65 - 50 = 15$
   $39 - 33 = 6$, $63 - 17 = 46$
   $84 - 51 = 33$, $50 - 39 = 11$
   $34 - 16 = 18$
5. $61 - 28 = 33$, $51 - 24 = 27$
   $65 - 28 = 37$
   $80 - 62 = 18$, $37 - 19 = 18$
   $43 - 18 = 25$
   $81 - 43 = 38$, $77 - 46 = 31$
   $68 - 59 = 9$
   $69 - 52 = 17$, $92 - 78 = 14$
   $41 - 27 = 14$

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Mixed Subtraction

1. $88 - 51 = 37$, $85 - 66 = 19$
   $48 - 37 = 11$, $66 - 51 = 15$
   $57 - 30 = 27$, $45 - 21 = 24$
   $71 - 59 = 12$
2. $97 - 15 = 82$, $42 - 3 = 39$
   $84 - 23 = 61$, $89 - 53 = 36$
   $79 - 61 = 18$, $57 - 23 = 34$
   $40 - 17 = 23$
3. $53 - 41 = 12$, $46 - 36 = 10$
   $87 - 67 = 20$, $62 - 29 = 33$
   $46 - 25 = 21$, $87 - 39 = 48$
   $85 - 59 = 26$
4. $78 - 32 = 46$, $51 - 28 = 23$
   $25 - 8 = 17$, $97 - 42 = 55$
   $60 - 44 = 16$, $82 - 69 = 13$
   $78 - 16 = 62$, $43 - 16 = 27$
   milk shakes

Page 83

1. a) $19 - 3 > 7 - 5$
   b) $13 - 11 = 18 - 16$
   c) $18 - 10 = 19 - 11$
   d) $14 - 12 < 17 - 10$
   e) $13 - 6 > 14 - 9$
   f) $18 - 14 = 16 - 12$
   g) $20 - 9 > 17 - 11$
   h) $12 - 8 < 17 - 6$
   i) $18 - 6 = 15 - 3$
   j) $14 - 4 = 13 - 3$
   k) $19 - 13 > 18 - 14$
   l) $16 - 11 < 17 - 5$
   m) $17 - 11 < 14 - 3$
   n) $18 - 12 < 13 - 4$
   o) $15 - 5 = 20 - 10$
   p) $20 - 13 = 18 - 11$

Puzzler: 15

23. Fractions

Page 84

3. $\frac{1}{2}$ of $8 = 4$

   $\frac{1}{2}$ of $12 = 6$

   $\frac{1}{2}$ of $10 = 5$

   $\frac{1}{2}$ of $14 = 7$

   $\frac{1}{2}$ of $16 = 8$

   $\frac{1}{2}$ of $20 = 10$

Page 85
Monkey Heaven!
1. 2 is half of 4   6 is half of 12
   5 is half of 10   10 is half of 20
2. $\frac{1}{2}$ of 18 is 9 $\frac{1}{2}$ of 14 is 7

   $\frac{1}{2}$ of 8 is 4 $\frac{1}{2}$ of 2 is 1

   $\frac{1}{2}$ of 16 is 8
3. a) 6, b) 20, c) 9, d) 10, e) 7

Page 86
Quarters
2. $\frac{1}{4}$ of 8 = 2 $\frac{1}{4}$ of 12 = 3

   $\frac{1}{4}$ of 16 = 4 $\frac{1}{4}$ of 20 = 5
3. $\frac{1}{2}$ of 4 = 2 → $\frac{1}{2}$ of 2 = 1

   so $\frac{1}{4}$ of 4 = 1

   $\frac{1}{2}$ of 20 = 10 → $\frac{1}{2}$ of 10 = 5

   so $\frac{1}{4}$ of 20 = 5

   $\frac{1}{2}$ of 12 = 6 → $\frac{1}{2}$ of 6

   = 3 so $\frac{1}{4}$ of 12 = 3

Page 87
Problems!
1. 7
2. a) 10   b) 5   c) $\frac{1}{4}$
3. a) 16   b) 8
4. $\frac{1}{2}$ of 20 = 10, $\frac{1}{2}$ of 16 = 8

   $\frac{1}{2}$ of 24 = 12, $\frac{1}{4}$ of 12 = 3

   $\frac{1}{4}$ of 8 = 2, $\frac{1}{4}$ of 20 = 5

Puzzler: 40

24. Weight
Problems!
Page 92
1. 12kg
2. 17kg
3. $\frac{1}{4}$kg
4. 52kg
5. same weight

Puzzler: 9kg

25. Time 2
Page 94
1. 2 o'clock, $\frac{1}{2}$ past 1

   $\frac{1}{2}$ past 9, $\frac{1}{2}$ past 7

   $\frac{1}{2}$ past 11, 3 o'clock

   11 o'clock, $\frac{1}{2}$ past 9

   8 o'clock

Page 95
A Quarter Past the Hour
1. $\frac{1}{4}$ past 9, $\frac{1}{4}$ past 11

   $\frac{1}{4}$ past 3, $\frac{1}{4}$ past 6

   $\frac{1}{4}$ past 8

Puzzler: 4m, 8m

Page 96
A Quarter to the Hour
1. $\frac{1}{4}$ to 2, $\frac{1}{4}$ to 10, $\frac{1}{4}$ to 8

   $\frac{1}{4}$ to 1, $\frac{1}{4}$ to 3, $\frac{1}{4}$ to 9

   $\frac{1}{4}$ to 4, $\frac{1}{4}$ to 12

Page 97
Digital Time
1. 1:00, 8:00, 4:00, 12:00, 1:30
   10:30, 7:30, 12:30, 11:30
   7:00, 2:30, 9:30, 5:00, 6:30
2. four o'clock = 4:00
   nine o'clock = 9:00

   $\frac{1}{2}$ past 4 = 4:30

   half past ten = 10:30
   three thirty = 3:30
   one o'clock = 1:00
   five thirty = 5:30

   $\frac{1}{2}$ past seven = 7:30

Page 99
Gym Classes for Kids
1. $\frac{1}{4}$ past 6
2. 5 o'clock
3. half an hour
4. Irish dancing

26. Check-up 3
Page 100
1. 18 < 43, 25 > 11
   11 + 7 = 20 − 2
   8 + 6 < 7 + 9
3. 37 − 9 = 28, 71 − 6 = 65
   72 − 16 = 56, 85 − 23 = 62
   87 − 39 = 48, 60 − 25 = 35
4. a) $\frac{1}{4}$, b) $\frac{1}{2}$
5. a) $\frac{1}{2}$ of 14 = 7

   b) $\frac{1}{4}$ of 20 = 5

   c) 9 is half of 18
   d) 2 is a quarter of 8
7. 3 o'clock, $\frac{1}{2}$ past 7, $\frac{1}{4}$ to 6

   $\frac{1}{4}$ past 1
8. 3 o'clock = 3:00

   $\frac{1}{2}$ past 5 = 5:30

27. Algebra – Extending and Using Patterns
Page 101
Counting in Twos
1. a) 4, b) 16, c) 12, d) 10,
   e) 14, f) 16, g) 20
2. 4, 6, 8, 10, 12, 14, 16, 18, 20
3. 2, 4, 6, 8, 10, 12, 14, 16

Page 102
Counting in Fours
1. a) 12, b) 24, c) 32, d) 20,
   e) 16

Puzzler: 20

2. a) 8, b) 20, c) 24, d) 24,
   e) 32, f) 36, g) 36

Page 103
Counting in Fives
2. a) 35, b) 15, c) 10, d) 40
3. a) 15, b) 25, c) 30, d) 45,
   e) 45, f) 50, g) 40

Page 104
Counting in Threes
1. 9, 12, 15, 18, 21, 24, 27, 30
2. a) 6, b) 12, c) 18, d) 9, e) 30,
   f) 21

3. a) 9, b) 18, c) 9, d) 27, e) 30,
   f) 27, g) 30
4. 9, 15, 12, 21, 24
   6, 37, 3, 18, 30

Page 105
Counting in Sixes
1. 18, 24, 30, 36, 42, 48, 54, 60
2. a) 12, b) 30, c) 18, d) 36,
   e) 24, f) 60, g) 54, h) 42, i) 48
3. a) 24, b) 30, c) 42, d) 48,
   e) 48
4. a) 18, b) 42

Page 106
More Counting
1. 12, 16, 20, 24, 28
2. a) 12, b) 8, c) 20, d) 24,
   e) 16, f) 28
3. a) 16 wings = 8 bees
   b) 20 wings = 10 bees
4. a) 18 spots = 3 giraffes
   b) 30 spots = 5 giraffes
5. a) 15 fingers = 3 hands
   b) 35 fingers = 7 hands

28. Money 1
Page 107
1. 6c, 9c, 18c, 24c, 35c, 50c
3. 2c 1c,   20c 2c,   5c 2c,
   20c 5c,   10c 1c,   20c 10c,
   10c 5c,   20c 20c
4. 10c, 20c, 25c, 2c

Page 108
1. 10c, 5c, 20c + 10c, 10c, 50c,
   20c + 20c
2. 100c
3. 70

Page 109
Change from €1.00
1. a) 7c   b) 3c   c) 11c
   d) 15c   e) 22c   f) 26c
   g) 40c

Page 110
Writing Amounts of Money
1. €1.12, €1.25, €1.65, €1.74,
   €1.80, €1.85, €1.37
2. 152c = €1.52
   187c = €1.87

135c = €1.35
141c = €1.41
166c = €1.66
199c = €1.99
174c = €1.74
118c = €1.18
140c = €1.40
104c = €1.04
109c = €1.09
3. a) €1.67, b) €1.50, c) €1.52

Page 111
More About Change
1. 2c, 1c = 3c   5c = 5c
2. 10c = 10c   5c, 10c = 15c
   2c, 20c = 22c
3. 1c, 10c = 11c
   2c, 1c, 5c = 8c
   2c, 20c = 22c

Page 112
1. 80c,   20c   50c,   50c
   45c,   55c   60c,   40c
   55c,   45c   95c,   5c

Puzzler: Teacher check

29. 3-D Shapes
Page 113
1. cone, sphere, cylinder, sphere,
   cone, cube, cylinder, cylinder,
   cone + cylinder, cuboid
2. cube, cuboid, sphere, cube,
   cylinder, cone, cube, cylinder,
   sphere, cuboid

Page 114
1. cylinder, cuboid, cube, cone,
   sphere
2. ✗, ✓, ✓
   ✗, ✓, ✓
   ✓, ✓, ✓
   ✓, ✓, ✗
   ✓, ✗, ✗
3. sphere, cone, cylinder
   cube, cuboid, cylinder, cone
   cube, cuboid, cylinder
   cylinder

Puzzler: 18, 24, 36

Page 115
1. 6, 8, 12   1, 0, 0
   3, 0, 2   6, 8, 12
   2, 0, 1
2. circle, square
   circle, rectangle

30. Addition 4
Page 117
Adding Using Groups of Ten
1. 90 + 9 = 99
2. 80 + 9 = 89
3. 80 + 10 + 1 + 5
   90 + 6 = 96
4. 30 + 20 + 4 + 3
   50 + 7 = 57
5. 20 + 20 + 2 + 7
   40 + 9 = 49
6. 40 + 50 + 4 + 2
   90 + 6 = 96
7. 70 + 10 + 3 + 6
   80 + 9 = 89
8. 60 + 30 + 2 + 7
   90 + 9 = 99
9. 20 + 60 + 4 + 5
   80 + 9 = 89
10. 50 + 40 + 1 + 8
    90 + 9 = 99

Page 118
1. 19 + 6 = 20 + 5 = 25
   29 + 7 = 30 + 6 = 36
   29 + 3 = 30 + 2 = 32
   29 + 8 = 30 + 7 = 37
2. 9 + 5 = 14, 19 + 5 = 24
   29 + 5 = 34, 39 + 5 = 44
   9 + 7 = 16, 19 + 7 = 26
   29 + 7 = 36, 39 + 7 = 46
   9 + 4 = 13, 19 + 4 = 23
   29 + 4 = 33, 39 + 4 = 43
   9 + 9 = 18, 19 + 9 = 28
   29 + 9 = 38, 39 + 9 = 48
   9 + 2 = 11, 19 + 2 = 21
   29 + 2 = 31, 39 + 2 = 41
   9 + 3 = 12, 19 + 3 = 22
   29 + 3 = 32, 39 + 3 = 42
   9 + 6 = 15, 19 + 6 = 25
   29 + 6 = 35, 39 + 6 = 45
   9 + 8 = 17, 19 + 8 = 27
   29 + 8 = 37, 39 + 8 = 47

Page 119

1. 91, 91, 93, 67, 84, 77, 80, 89
   77, 93, 76, 85, 80, 85, 72,
   79, 96, 84, 58, 76, 89, 64
   A L L   O F   T H E M.
   H O U S E S   C A N T   J U M P

Puzzler: 33, 45, 51, 60

Page 120
Word Problems
1. 80
2. 92
3. 65
4. 82
5. 74
6. 93

Page 121
At the Bakery
1. 28 + 12 = 40
2. 19 + 11 = 30
3. 18 + 25 = 43
4. 35 + 15 = 50
5. 27 + 19 = 46

31. Subtraction 4
Page 122
1. 8
2. 32
3. 17
4. 19
5. 31

Page 123
Word Problems
1. 16
2. 25
3. 16 minutes
4. 36
5. 15

Page 124
1. 19 − 6 = 13, 15 − 9 = 6
   18 − 4 = 14
   20 − 10 = 10, 11 − 8 = 3
   12 − 5 = 7
   15 − 6 = 9, 17 − 9 = 8
   19 − 8 = 11
   18 − 5 = 13, 11 − 7 = 4
   20 − 9 = 11
2. 13 − 6 = 7, 16 − 4 = 12
   14 − 9 = 5

   19 − 9 = 10, 15 − 4 = 11
   13 − 7 = 6
   20 − 9 = 11, 13 − 9 = 4
   14 − 7 = 7
   15 − 10 = 5, 12 − 5 = 7
   17 − 8 = 9
3. 34 − 12 = 22, 23 − 11 = 12
   38 − 16 = 22, 49 − 14 = 35
   54 − 10 = 44, 44 − 12 = 32
4. 48 − 14 = 34, 37 − 15 = 22
   24 − 8 = 16, 68 − 28 = 40
   49 − 17 − 32, 55 − 22 = 33
5. 35 − 18 = 17, 42 − 14 = 28
   38 − 19 = 19, 45 − 26 = 19
   38 − 29 = 9, 64 − 26 = 38
6. 68 − 29 = 39, 41 − 15 = 26
   60 − 25 = 35, 53 − 25 = 28
   40 − 29 = 11, 57 − 48 = 9

Page 125
1. 19 − 4 = 15, 13 − 3 = 10
   16 − 8 = 8, 16 − 7 = 9
   13 − 5 = 8, 16 − 4 = 12
   16 − 6 = 10, 20 − 10 = 10
   12 − 9 = 3, 14 − 6 = 8
   10 − 5 = 5, 12 − 8 = 4
   18 − 10 = 8, 20 − 9 = 11
   17 − 4 = 13, 18 − 9 = 9

Crack the Codes!
2. 67 − 52 = 15, 75 − 58 = 17
   82 − 6 = 76, 89 − 69 = 20
   71 − 55 = 16
   M o o   y o r k
3. 63 − 49 = 14, 81 − 25 = 56,
   40 − 9 = 31, 71 − 55 = 16,
   57 − 4 = 53
   a   c o m b

Page 126
Crack the Code
1. 83 − 64 = 19, 60 − 6 = 54
   83 − 16 = 67, 88 − 50 = 38
   32 − 25 = 7, 72 − 56 = 16
   87 − 43 = 44, 74 − 57 = 17
   79 − 54 = 25, 85 − 72 = 13
   78 − 52 = 26, 23 − 15 = 8
   b e c a u s e   h i s   f e e t
   s m e l l

Puzzler: 9

32. Place Value 2
Page 127
134, 126, 117, 165, 156,
180, 111, 159, 141, 173, 184

Page 129
1. 156, 163, 147
   189, 140, 101
   133, 127, 180
2. 1 hundred 6 tens and 5 units
   = 165
   1 hundred 8 tens and 2 units
   = 182

Page 130
Let's Rename
1. 3 tens and 17 units
   1 ten and 16 units
   7 tens and 15 units
   3 tens and 19 units
   1 ten and 13 units
   2 tens and 15 units
   0 tens and 17 units
   3 tens and 10 units
   4 tens and 16 units
   6 tens and 19 units
   7 tens and 11 units
   1 ten and 14 units
   4 tens and 18 units

Page 131
Crack the Code!
1. a = 3, o = 7, t = 1, c = 8,
   4 = 5
   t r a c t o r

Puzzler: 1, 4, 2

33. Counting and Numeration 3
Page 132
101–200
1. 103, 107, 115, 121, 129
   134, 148, 156, 170, 177
   182, 186, 193, 199
3. 112, 150, 167, 105, 136
4. 116, 107, 155, 139, 191, 168

34. Area
Page 133
Puzzler: 12

35. Check-up 4

Page 135

1. 24
2. 123c = €1.23
   104c = €1.04
   189c = €1.89
   115c = €1.15
3. 16, 25, 27
   44, 53, 55, 64
   67, 77, 79, 88
   80, 88, 89, 100
4. 1c 20c = 21c
   1c 5c 50c = 56c
5. 10 + 10 = 20
   13 + 13 = 26
   12 + 12 = 24
   14 + 14 = 28
6. 53 + 38 = 91
   77 + 28 = 105
   44 + 17 = 61
   73 + 13 = 86
7. 21 − 19 = 2, 56 − 36 = 20
   37 − 28 = 9, 46 − 38 = 8
8. cone, cuboid, cylinder, sphere
9. 34

36. Subtraction with the 101–200 Square

Page 136

2. 152, 153, 161, 171, 181
   142, 144, 153, 163
   125, 135, 144, 145
   177, 186, 187
   112, 113, 121, 122, 131
   157, 158, 167, 168
   103, 112, 114, 115, 123
   153, 154, 164, 173, 174

Page 137

1. a) 145 − 8 = 137
   176 − 9 = 167
   115 − 10 = 105
   b) 137 − 7 = 130
   183 − 15 = 168
   194 − 12 = 182
   c) 162 − 5 = 157
   123 − 6 = 117
   138 − 4 = 134
   d) 161 − 11 = 150
   174 − 13 = 161
   153 − 9 = 144

e) 131 − 9 = 122
185 − 7 = 178
196 − 10 = 186
f) 147 − 9 = 138
182 − 9 = 173
171 − 9 = 162
g) 154 − 7 = 147
179 − 8 = 171
147 − 8 = 139
2. a) 110
b) 118
c) 151
d) 119
e) 112

Page 138

2. a) 198 − 8 = 190
   190 − 7 = 183
   193 − 6 = 187
   187 − 5 = 182
   b) 188 − 8 = 180
   180 − 7 = 173
   183 − 6 = 177
   177 − 5 = 172
   c) 178 − 8 = 170
   170 − 7 = 163
   173 − 6 = 167
   167 − 5 = 162
   d) 168 − 8 = 160
   160 − 7 = 153
   163 − 6 = 157
   157 − 5 = 152
   e) 158 − 8 = 150
   150 − 7 = 143
   153 − 6 = 147
   147 − 5 = 142
   f) 148 − 8 = 140
   140 − 7 = 133
   143 − 6 = 137
   137 − 5 = 132

Puzzler: 1

37. Capacity

Page 144

1. a) 10l, b) 3l, c) 6l, d) 6l, e) 1l, f) 1l, g) 7l

Puzzler: 20

38. Money 2

Page 145

2. a) ✗, b) ✓, c) ✓, d) ✓, e) ✓, f) ✗

Page 146

1. b) 127c, €1.27
   c) 217c, €2.17
   d) 161c, €1.61
   e) 193c, €1.93
   f) 154c, €1.54

Puzzler: 5 apples for 40c

Page 147

€1.50, 50c   €1.70, 30c
€2, 0   €1.30, 70c
€1.60, 40c   €1.95, 5c
90c, €1.10   €1, €1
40c, €1.60

Page 148

Money Problem Solving

1. €1
2. 95c + 25c = 120c
3. Change = 30c
4. 70c + 50c = €1.20
5. 20c + 20c + 20c + 20c + 20c = €1
6. 25c + 25c + 25c = 75c
7. 42c + 25c + 31c = 98c
8. Answer: 55c

Page 149

1. a) 5c 50c,   55c
   b) 20c 50c,   70c
   c) 2c 20c 20c,   42c
   d) 2c 5c 10c 20c,   37c
   e) 2c 2c 5c 20c,   29c

39. Addition and Subtraction Word Problems

Page 150

1. 39 − 24 = 15
2. 45 + 24 = 69
3. 39 + 54 = 93
4. 54 − 45 = 9
5. 45 − 24 = 21
6. 54 + 17 = 71
7. 88 − 69 = 19
8. 69 + 26 = 95
9. 72 − 24 = 48
10. 26 + 26 = 52

Page 151
Add or Subtract
$65 + 30 = 95$, $34 - 11 = 23$
$72 + 21 = 93$, $54 - 22 = 32$
$74 + 25 = 99$, $28 - 13 = 15$
$65 + 24 = 89$
$57 - 37 = 20$, $17 + 78 = 95$
$64 - 64 = 0$, $47 - 15 = 32$
$60 - 57 = 3$, $78 - 10 = 68$
$59 + 29 = 88$, $45 + 16 = 61$
$28 + 35 = 63$
$57 - 29 = 28$, $17 + 56 = 73$
$64 - 36 = 28$, $47 - 19 = 28$
$81 - 57 = 24$, $78 - 19 = 59$
$59 - 43 = 16$, $45 + 29 = 74$
$28 + 28 = 56$
$47 - 37 = 10$, $17 + 59 = 76$
$90 - 64 = 26$, $67 - 18 = 49$
$60 - 42 = 18$, $14 + 42 = 56$
$55 + 29 = 84$, $45 + 34 = 79$
$28 + 56 = 84$
$55 - 27 = 28$, $13 + 68 = 81$
$71 - 64 = 7$, $47 - 19 = 28$
$67 + 17 = 84$, $78 - 19 = 59$
$64 + 29 = 93$, $45 + 18 = 63$

Page 152
Solve the Riddles
1. $20 - 6 = 14$, $39 - 15 = 24$
   $46 + 7 = 53$, $29 + 5 = 34$
   $25 + 25 = 50$
   a clock

2. $19 - 5 = 14$, $38 + 26 = 64$
   $31 + 55 = 86$, $72 - 24 = 48$
   $47 + 48 = 95$, $71 - 28 = 43$
   a towel

3. $42 + 27 = 79$, $26 - 13 = 13$
   $18 + 17 = 35$, $80 - 26 = 54$
   $27 + 57 = 84$, $42 - 14 = 28$
   $56 - 39 = 17$, $54 + 37 = 91$
   $56 - 19 = 37$, $67 - 19 = 48$
   lots and lots of room

Page 153
Two-step Number Stories
1. a) $(37 + 10) - 12 = 35$
   $37 + 10 = 47$, $47 - 12 = 35$
   b) $(40 + 15) - 13 = 42$
   $40 + 15 = 55$, $55 - 13 = 42$
   c) $(25 + 13) - 21 = 17$
   $25 + 13 = 38$, $38 - 21 = 17$
   d) $(33 + 25) - 37 = 21$
   $33 + 25 = 58$, $58 - 37 = 21$
   e) $(26 + 49) - 14 = 61$
   $26 + 49 = 75$, $75 - 14 = 61$
   f) $(41 + 14) - 18 = 37$
   $41 + 14 = 55$, $55 - 18 = 37$
2. a) $(76 - 15) + 31 = 92$
   $76 - 15 = 61$, $61 + 31 = 92$
   b) $(68 - 25) + 37 = 80$
   $68 - 25 = 43$, $43 + 37 = 80$
   c) $(98 - 27) + 14 = 85$
   $98 - 27 = 71$, $71 + 14 = 85$
   d) $(37 - 19) + 20 = 38$
   $37 - 19 = 18$, $18 + 20 = 38$
   e) $(45 - 28) + 37 = 54$
   $45 - 28 = 17$, $17 + 37 = 54$
   f) $(71 - 52) + 15 = 34$
   $71 - 52 = 19$, $19 + 15 = 34$

Page 154
Word Problems
1. $(18 + 25) - 12 = 31$
   $18 + 25 = 43$, $43 - 12 = 31$
2. $(26 + 29) - 17 = 38$
   $26 + 29 = 55$, $55 - 17 = 38$
3. $(39 + 44) - 26 = 57$
   $39 + 44 = 83$, $83 - 26 = 57$
4. $(67 + 14) - 15 = 66$
   $67 + 14 = 81$, $81 - 15 = 66$

40. Check-up 5
Page 155
1. 125, 173, 106
2. $47 = 3$ tens and 17 units,
   $53 = 4$ tens and 13 units
3. 125, 134, 135
   151, 152, 153, 162
   124, 125, 134
4. 1 litre
5. $146c = €1.46$, $193c = €1.93$, $135c = €1.35$
6. €1.15
7. 55c
8. 23

Practice Book Answers

Addition 1
Practise!
Page 3
1. $1 + 1 = 2$, $5 + 5 = 10$
   $2 + 2 = 4$, $6 + 6 = 12$
   $3 + 3 = 6$, $4 + 4 = 8$
   $8 + 8 = 16$, $5 + 6 = 11$
   $9 + 9 = 18$, $7 + 7 = 14$
   $1 + 2 = 3$, $6 + 5 = 11$
   $2 + 3 = 5$, $6 + 7 = 13$
   $3 + 4 = 7$, $9 + 10 = 19$
   $8 + 9 = 17$, $7 + 8 = 15$
   $4 + 5 = 9$, $10 + 11 = 21$
   $1 + 0 = 1$, $5 + 4 = 9$
   $2 + 1 = 3$, $10 + 10 = 20$
   $3 + 2 = 5$, $4 + 3 = 7$
   $8 + 7 = 15$, $10 + 9 = 19$
2. $5 + 6 = 11$, $7 + 8 = 15$
   $9 + 10 = 19$, $4 + 5 = 9$
   $8 + 9 = 17$, $6 + 7 = 13$
   $2 + 3 = 5$, $1 + 2 = 3$
   $10 + 10 = 20$, $3 + 4 = 7$
3. $5 + 4 = 9$, $7 + 6 = 13$
   $9 + 8 = 17$, $4 + 3 = 7$
   $8 + 7 = 15$, $6 + 5 = 11$
   $2 + 1 = 3$,
   $1 + 0 = 1$, $10 + 9 = 19$
   $3 + 2 = 5$

Mental Maths 1
Page 4
1. 34
2. 10c, 5c, 5c
3. 60
4. 8c
5. 6
6. 11, 23, 32, 47, 74
7. 12, 8, 14
8. $67 = 6$ tens 7 units
9. 17, 19

Mental Maths 2
Page 5
1. $90 = 9$ tens
2. 7c
3. Tuesday
4. True
5. 85
6. 13
7. $20c = 10c + 10c$

8. $\frac{1}{2}$ of $20 = 10$
9. 16 is double 8
10. 89, 73, 65, 49, 11, 7

Data
Practise!
Page 6
1. 5
2. 4
3. Mario
4. Shrek
5. 15
6. 5
7. 2
8. 21
9. Batman
10. 30

Test Yourself!
Page 7
2. *Madagascar*
3. *Ice Age*
4. *Finding Nemo*
5. 11
6. 26
7. 2
8. 1
9. *Toy Story*
10. 15

Mental Maths 3
Page 8
1. $5 + 5 + 5 + 5 = 10 + 10$
2. $\frac{1}{2}$ of $16 = 8$
3. 23
4. $70 - 20 = 50$
5. 9
6. 4
7. $26c = 20c + 5c + 1c$
8. 32 units = 3 tens 2 units
9. $7 + 8 + 4 = 19$
10. $\frac{1}{2}$ of $18 = 9$

Addition 2
Practise!
Page 9
$36 + 23 = 59$
$45 + 17 = 62$

$25 + 26 = 51$
$17 + 54 = 71$
$63 + 28 = 91$
$49 + 25 = 74$
$53 + 24 = 77$
$11 + 36 = 47$
$47 + 10 = 57$
$62 + 15 = 77$
$34 + 13 = 47$
$76 + 8 = 84$
$39 + 36 = 75$
$49 + 29 = 78$
$25 + 59 = 84$
$17 + 77 = 94$
$48 + 35 = 83$
$15 + 62 = 77$
$44 + 19 = 63$
$35 + 43 = 78$
$19 + 27 = 46$
$15 + 38 = 53$
$35 + 15 = 50$
$62 + 17 = 79$
$83 + 14 = 97$
$68 + 21 = 89$
$18 + 18 = 36$
$46 + 26 = 72$
$30 + 38 = 68$
$26 + 19 = 45$
$58 + 27 = 85$
$19 + 58 = 77$
$24 + 35 = 59$
$56 + 3 + 9 = 68$
$4 + 26 + 5 = 35$
$2 + 27 + 37 = 66$
$26 + 20 + 7 = 53$
$2 + 1 + 24 = 27$
$36 + 23 + 18 = 77$

Mental Maths 4
Page 10
1. 7
2. 55, 66
3. 34c
5. $50c = 20c$, 20c, 10c
6. $12 + 18 = 30$
7. 20c
8. 24
9. 11
10. $\frac{1}{2}$ past 2, $\frac{1}{2}$ past 3
    4 o'clock, 5 o'clock

2-D Shapes
Practise!
Page 11
1. a) circle
   b) rectangle/square
   c) triangle
   d) semi-circle
2. circle, semi-circle
   rectangle, triangle
   square, oval
3. a) circle
   b) rectangle, triangle
   c) square, rectangle, triangle

Test Yourself!
Page 12
1. Circle, rectangle, triangle
2. Square, circle, semi-circle
3. rectangle, oval, triangle
4. ✗
5. ✗
6. ✗
7. ✓
8. ✓
9. ✓
10. 8

Mental Maths 5
Page 13
2. 136cm
3. cone
5. $12 + 16 = 10 + 18$
6. $25 + 15 = 40$
7. 2 tens 5 units
8. banana
9. $47 - 25 = 22$
10. $\frac{1}{2}$ of $26 = 13$

Angles
Practise!
Page 14
1. 4, 0, 8, 0, 2, 4
3. a) A, T, E, Kate
   b) L, E, X, Alex

Mental Maths 6
Page 15
1. $13 + 9 = 26 - 6$
2. Friday
3. T, F
4. 17, 25, 36, 44, 52, 59, 78
7. 12

8. $17 - 6 = 11$
9. 11, 33, 55
10. 20c

Subtraction 1 and 2
Practise!
Page 16
1. $8 - 3 = 5$, $11 - 5 = 6$
   $17 - 7 = 10$, $13 - 5 = 8$
2. $6 - 4 = 2$, $10 - 1 = 9$
   $12 - 5 = 7$, $14 - 6 = 8$
3. $37 - 15 = 22$, $73 - 52 = 21$
   $53 - 32 = 21$, $53 - 41 = 12$
   $28 - 11 = 17$, $48 - 27 = 21$
4. $79 - 53 = 26$, $68 - 46 = 22$
   $64 - 13 = 51$, $38 - 27 = 11$
   $57 - 41 = 16$, $69 - 40 = 29$
5. $57 - 15 = 42$, $76 - 53 = 23$
   $94 - 81 = 13$, $74 - 62 = 12$
   $95 - 73 = 22$, $87 - 36 = 51$
6. $47 - 21 = 26$, $28 - 10 = 18$
   $66 - 45 = 21$, $46 - 35 = 11$
   $57 - 12 = 45$, $96 - 74 = 22$
7. 14
8. 21
9. 19, 18, 17
   18, 17, 16
10. 33, 35, 37
    31, 33, 35

Mental Maths 7
Page 17
1. 59
2. 64c
3. 9
5. $12 + 22 = 34$
6. 7 tens 5 units $= 75$
9. 50
10. 5

Time 1
Practise!
Page 18
1. 12
2. January
3. July
5. October
6. February
7. January
8. December

Mental Maths 8
Page 19
2. 7, 8, 13, 26, 41
3. 29
4. 2
5. 6
7. 14c
8. 7:30
9. 12
10. 50

Length
Test Yourself!
Page 21
1. 1 metre $= 100$cm
2. $\frac{1}{2}$m $= 50$cm
3. 50cm
4. 4
5. 27cm
6. Max, Jessica
7. 2m
8. 67cm
9. 8cm, 3cm
10. 7cm

Addition 3
Mental Maths 9
Page 23
1. 10
3. 8
4. 4
5. 48
6. 3
8. $3 + 7 = 4 + 6$
9. 38cm
10. 20c

Comparing and Ordering
Practise!
Page 24
1. $10 < 20$, $32 > 19$, $16 = 16$
   $24 > 21$
   $25 < 36$, $18 < 43$, $14 < 31$
   $19 > 15$
   $43 < 47$, $26 > 25$, $30 > 13$
   $20 = 20$
   $33 > 3$, $57 < 75$, $11 < 22$
   $35 < 53$
2. $6 + 9 < 15 + 3$
   $20 - 3 < 14 + 4$

Cracking Maths Practice Book Answers – 2nd Class

14 − 2 < 16 + 1
9 + 5 = 11 + 3
50 − 20 = 20 + 10
2 + 16 < 11 + 9
27 − 10 = 10 + 7
13 + 13 < 20 + 7
50 − 10 = 48 − 8
7 + 6 > 15 − 5
8 + 8 = 18 − 2
9 + 5 = 7 + 7
3. 15, 33, 46, 52, 81
6, 13, 29, 50, 67
4. rat, tap
rice, race

Test Yourself!
Page 25
1. a) 8 = 8, 13 < 19, 19 < 20
b) 14 < 41, 23 < 26,
47 > 44
2. a) 12 < 22, 55 > 35, 76 > 67
b) 12 > 11, 50 > 5, 10 = 10
3. 7 + 7 < 15, 13 − 8 = 5
4. 9 + 7 > 12, 24 + 6 > 27
5. 6 + 9 = 15 + 0
11 − 3 < 14 + 4
6. 14 − 2 < 16 + 1
20 + 5 > 11 + 9
7. 5 − 2 < 2 + 10
6 + 6 > 11 − 3
8. 50, 35, 28, 21, 17
9. 19, 34, 43, 56, 92
10. ✗, ✓, ✗, ✓

Mental Maths 10
Page 26
1. 136
2. 85c
3. 8
7. €1.75
8. $\frac{1}{4}$ past 7
9. 20
10. 12

Symmetry and Angles

Test Yourself!
Page 28
1. ✓
2. ✗
3. ✗
4. ✓
5. ✗

6. ✓
7. ✗
8. ✗
9. ✓
10. M

Mental Maths 11
Page 29
1. 4
2. 7
5. €1, 50c
6. quarter to 11
7. 39
8. spring
10. 5

Weight

Test Yourself!
Page 31
1. maths book
2. lollipop sticks
3. $\frac{1}{4}$kg, $\frac{1}{2}$kg, 1kg, 2kg
6. 2
8. 4
9. 30kg
10. 6kg

Mental Maths 12
Page 32
1. €0.29
3. 139
4. Thursday
5. €1, 10c, 5c
6. 7cm
7. 30
8. 87
9. 180
10. 34

Time 2

Practise!
Page 33
3. 7 o'clock, 9 o'clock
$\frac{1}{4}$ past 12, $\frac{1}{4}$ past 2

Test Yourself!
Page 34
1. ✗
2. ✓
3. ✓
4. ✓

5. ✗
6. ✓
7. ✗
8. $\frac{1}{2}$ past 11, $\frac{1}{4}$ past 7
9 o'clock, $\frac{1}{4}$ to 2, $\frac{1}{4}$ past 2

Mental Maths 13
Page 35
1. €1.64
3. 32
4. 8
5. b)
6. 147
7. 3c
8. 16
9. 17 + 8 = 25
10. 24, 25, 33, 44

Algebra

Practise!
Page 36
2. 9, 12, 15, 18, 21, 24, 27, 30
3. 12, 16, 20, 24, 28, 32, 26, 40
5. 18, 24, 30, 36, 42, 48, 54, 60

Test Yourself!
Page 37
1. 4, 8, 10, 12, 16, 18
2. 12, 15, 18, 21, 24, 27, 30
3. 8, 12, 20, 24, 28, 32, 36, 40
4. 10, 15, 25, 30, 35, 40, 45, 50
5. 12, 18, 24, 36, 42, 54, 60
6. 30, 40, 60, 70, 80, 90, 100
7. a) 30   b) 50   c) 80
8. a) 12   b) 18   c) 30
9. a) 8   b) 20   c) 36
10. a) 18   b) 12   c) 30

Mental Maths 14
Page 38
1. 22
3. 16, 20
4. April
5. 3 o'clock
6. 12
7. 34c
8. 12 is 3 less than 15
10. 1 metre

Money 1

Practise!

Page 39

1. 53c, 76c, 93c
2. b) 31c = 20c + 10c + 1c
   c) 47c = 20c + 20c + 5c + 2c
   d) 58c = 50c + 5c + 2c + 1c
   e) 86c = 50c + 20c + 10c + 5c + 1c
   f) 93c = 50c + 20c + 20c + 2c + 1c
3. a) 2c   b) 50c
   c) 20c   d) 50c

Mental Maths 15

Page 40

1. 9 + 3 > 5 + 6
3. 8 > 4
4. 12
5. lighter
6. 69
7. €1.37
8. 14 + 8 + 8 = 30
9. 34 + 25 = 30 + 20 + 4 + 5

3-D Shapes

Practise!

Page 41

1. 2, 3, 3, 2, 1
2. ✓, ✓, ✗, ✓
   ✗, ✓, ✓, ✗
   ✗, ✓, ✓, ✗
   ✓, ✗, ✓, ✗

Test Yourself!

Page 42

1. a cube
2. a cuboid
3. a cylinder
4. a cone
5. a sphere
6. sphere
7. cube
8. cone
9. cuboid
10. cylinder

Mental Maths 16

Page 43

1. 189
3. 8

4. $\frac{1}{2}$ an hour
5. b) litres
6. 18 – 6 > 6 + 5
8. 60
9. 24 + 35 = 59
10. 46

Addition 4

Practise!

Page 44

1. 27 + 25 = 52
2. 8 + 8 + 8 = 24
3. 34 + 29 = 63
4. 12 + 23 + 13 = 48
5. 21 + 29 = 50

Test Yourself!

Page 45

1. 15 + 3 = 18,
   13 + 4 = 17
2. 16 + 2 = 18
   15 + 4 = 19
3. 11 + 5 = 16
   17 + 2 = 19
4. 7 + 13 = 20
   10 + 6 = 16
5. 45 + 24 = 69
   21 + 54 = 75
   34 + 35 = 69
   16 + 83 = 99
6. 35 + 46 = 81
   19 + 54 = 73
   27 + 35 = 62
   16 + 66 = 82
7. 32 + 27 = 59
8. 27 + 14 = 41
9. 17 + 27 = 44
10. 28 + 14 + 18 = 60

Mental Maths 17

Page 46

1. 5
2. triangle
3. 100cm
4. 19
5. 35
6. 15, 25
7. 5c
8. 4
9. 12 + 3 + 15 = 30
10. 1 kg

Subtraction 3 and 4

Practise!

Page 47

1. 41 – 18 = 23, 57 – 28 = 29
   73 – 5 = 68, 61 – 34 = 27
   82 – 55 = 27, 50 – 32 = 18
2. 32 = 15 = 17, 43 – 34 = 9
   23 – 19 = 4, 56 – 27 = 29
   71 – 3 = 68, 64 – 28 = 36
3. 45 – 17 = 28, 36 – 18 = 18
   28 – 19 = 9, 63 – 14 = 49
   48 – 19 = 29, 57 – 18 = 39
4. 56 – 27 = 29, 73 – 36 = 37
   82 – 3 = 79, 46 – 28 = 18
   37 – 28 = 9, 48 – 39 = 9
5. 59 – 27 = 32, 84 – 17 = 67
   57 – 5 = 52, 64 – 53 = 11
   90 – 77 = 13, 86 – 64 = 22
6. 18
7. 11

Test Yourself!

Page 48

1. 52 – 16 = 36, 46 – 18 = 28
   64 – 36 = 28
2. 53 – 28 = 25, 71 – 59 = 12
   60 – 5 = 55
3. 24 – 8 = 16, 60 – 19 = 41
   45 – 37 = 8
4. 46 – 16 = 30, 52 – 17 = 35
   98 – 46 = 52
5. 60 – 17 = 43, 56 – 23 = 33
   37 – 14 = 23
6. 28 – 19 = 9, 50 – 7 = 43
   48 – 29 = 19
7. 48 – 25 = 23, 69 – 23 = 46
   50 – 35 = 15
8. 22
9. 19
10. 6

Place Value

Practise!

Page 49

1. 34 = 3 tens and 4 units
   58 = 5 tens and 8 units
   14 = 1 ten and 4 units
   97 = 9 tens and 7 units
   28 = 2 tens and 8 units
   5 = 0 tens and 5 units
2. 1 ten and 9 units = 19
   6 tens and 2 units = 62

4 tens and 3 units = 43
8 tens and 1 unit = 81
5 tens and 9 units = 59
7 tens and 5 units = 75

3. 123, 135, 107
6. 5 tens and 5 units, 3 tens and 7 units, 2 tens and 4 units

Test Yourself!
Page 50
1. 123, 152, 176, 137
3. 47 = 4 tens and 7 units
4. 54 = 5 tens and 4 units
5. 5 tens and 6 units = 56
6. 8 tens and 3 units = 83
7. 1 ten and 13 units = 23
8. 2 tens and 17 units = 37
9. 49 = 4 tens 9 units or 3 tens 19 units
10. 61 = 6 tens and 1 unit or 5 tens and 11 units

Counting and Numeration
Practise!
Page 51
1. 107, 125, 141, 164, 170
2. 199 = purple, 182 = blue, 157 = red, 146 = yellow
3. 134, 136, 158, 160, 141, 143 183, 185, 115, 117, 122, 124
4. 103, 195, 147

Test Yourself!
Page 52
3. 42, 43
4. 75, 76
5. 33, 34
6. 61, 62
7. 16 is before 17, 35 is before 36, 65 is after 64
8. 80 is before 81, 50 is after 49, 99 is before 100
10. 78 = seventy-eight
    65 = sixty-five

Area
Practise!
Page 53
2. 4, 5, 10, 9

Mental Maths 18
Page 54
1. 21, 47, 76
2. 20c, 10c, 5c, 1c
3. 24
4. 34 − 16 = 18
6. cube
7. 20c
8. 10 less than 75 = 65
9. 22 − 3 = 19
10. 15

Capacity
Practise!
Page 55
2. a) ✗   b) ✗   c) ✗
   d) ✓   e) ✓   f) ✓
   g) ✗
3. 4
4. 2l

Test Yourself!
Page 56
2. cup
3. teapot
6. 4l
7. 4
8. 6
9. 70l
10. 8l

Mental Maths 19
Page 57
1. 15
2. autumn
3. 143 = 1 hundred, 4 tens and 3 units
4. 25 less than 100 = 75
5. 1:00
6. (8 + 8 + 4) = (15 + 5)
7. 12
8. yes
9. 19 − 4 = 15
10. 166, 167, 175, 177, 185, 186

Money 2
Practise!
Page 58
1. €1.20, €0.85, €1.20, €1.00, €1.50, €0.80, €0.50, €0.80
2. 30c

3. 60c
4. 15c
5. €1.80
6. apple
7. €1.70
8. €12
9. €10
10. a) €0.80 b) €1.15 c) €1.33
    d) €0.50 e) €1.50 f) €0.85

Test Yourself!
Page 59
1. 89c, €1.41, €2
2. 20c, 20c, 5c, 2c, 2c
3. €1, 50c, 10c, 5c, 1c
4. 60c
5. €1.75
6. 7c, 53c
7. a) €1.15 = 115c
   b) €0.12 = 12c
   c) €0.03 = 3c
8. a) 137c = €1.37
   b) 68c = €0.68
   c) 5c = €0.05
9. 57c
10. €1.43

Mental Maths 20
Page 60
1. 6
2. 12
3. false
4. 32cm
5. 56, 57, 59
6. 30
7. 2kg
8. (3 + 9 + 9) = (15 + 6)
9. 6 is $\frac{1}{4}$ of 24
10. 76

Two-Step Problem Solving
Practise!
Page 61
1. 33 − 14 = 19, 19 + 17 = 36
2. (36 − 14) + 28 = 50
   36 − 14 = 22, 22 + 28 = 50
3. (67 − 29) + 38 = 76
   67 − 29 = 38, 38 + 38 = 76

Test Yourself!

Page 62

1. $(66 + 6) - 48 =$
   $66 + 6 = 72, 72 - 48 = 24$
2. $(72 + 4) - 28 =$
   $72 + 4 = 76, 76 - 28 = 48$
3. $(54 + 17) - 25 =$
   $54 + 17 = 71, 71 - 25 = 46$

4. $(87 - 66) + 24 =$
   $87 - 66 = 21, 21 + 24 = 45$
5. $(65 - 24) + 18 =$
   $65 - 24 = 41, 41 + 18 = 59$
6. $(72 - 31) + 23 =$
   $72 - 31 = 41, 41 + 23 = 64$
7. $(69 - 41) + 51 =$
   $69 - 41 = 28, 28 + 51 = 79$

8. $(35 + 6) + 12 =$
   $35 + 6 = 41, 41 + 12 = 53$
9. $(72 - 34) - 19 =$
   $72 - 34 = 38, 38 - 19 = 19$
10. $(34 + 47) - 28 = 53$

Cracking Maths Practice Book Answers – 2nd Class