I can solve puzzles involving addition and subtraction.

A

Match each shape to one of the numbers in the ring.

1 (15 16 17 18)

○ + △ = 35
◇ − ■ = 1

2 (25 35 45 55)

■ + ◇ = 70
○ − △ = 20

Copy and complete by writing the missing digit in the box.

3 23 + ☐4 = 37

4 ☐1 + 25 = 56

5 ☐6 + 19 = 35

6 ☐8 + 33 = 61

7 46 − ☐3 = 13

8 ☐2 − 35 = 7

9 75 − 5☐ = 18

10 3☐ − 14 = 16

Check the answers by doing the inverse operation.

11 I choose a number.
I add 14.
I take away 23.
My answer is 8.
What number did I choose?

B

Match each shape to one of the numbers in the ring.

1 (34 48 68 78)

■ − ○ = 44
◇ + △ = 116

2 (26 27 28 29)

■ + ○ = 55
◇ − △ = 1

Copy and complete by writing the missing digits in the boxes.

3 4☐ + ☐2 = 54

4 4☐ + ☐8 = 73

5 ☐6 + 1☐ = 41

6 ☐8 − 1☐ = 21

7 5☐ − ☐1 = 16

8 6☐ − ☐4 = 34

9 3☐ − ☐1 = 9

10 ☐1 − 3☐ = 25

Check the answers by doing the inverse operation.

11 I choose a number.
I subtract 27.
I add 44.
My answer is 91.
What number did I choose?

C

What number is shown by each shape?

1 △ + ○ = ■
■ + 14 = ◇
◇ − ○ = 53
The square is 66.

2 ○ + ◇ = △
○ − ■ = ◇
◇ − ■ = 7
The square is 28.

Copy and complete by writing the missing digit in the boxes.

3
```
  ☐ 2
+ 2 ☐
─────
  5 9
```

7
```
  ☐ 8
− 2 ☐
─────
  2 5
```

4
```
  ☐ 5
+ 3 ☐
─────
  7 9
```

8
```
  6 ☐
− ☐ 6
─────
  5 1
```

5
```
  5 ☐
+ 1 2
─────
  7 0
```

9
```
  ☐ 5
− 3 9
─────
  4 6
```

6
```
  ☐ 8
+ 3 8
─────
  9 6
```

10
```
  5 ☐
− 2 8
─────
  2 5
```

Check the answers by doing the inverse operation.

11 Find a pair of numbers:
a) with a sum of 45 and a difference of 7
b) with a sum of 100 and a difference of 18.