1)

The area of this shape is 10 squares.

The area of this shape is 9 squares.

The area of this shape is 7 squares.

The area of this shape is 6 squares.

The area of this shape is 8 squares.

2)

Shape	Description	Calculation
	There are **2** squares in each row. There are **4** rows altogether. **4** rows of **2** squares equals **8** squares.	**4 × 2 = 8** or **2 × 4 = 8**
	There are **5** squares in each row. There are **4** rows altogether. **4** rows of **5** squares equals **20** squares.	**4 × 5 = 20** or **5 × 4 = 20**
	There are **7** squares in each row. There are **6** rows altogether. **6** rows of **7** squares equals **42** squares.	**6 × 7 = 42** or **7 × 6 = 42**

3) a)

Blue = **34**   Brown = **3**

Green = **16**   Yellow = **1**

34 + 17 + 3 + 1 = 54 squares

b) *6 x 9 = 54 squares*

c) *Children may suggest that calculating is better because it is quicker or because you may miss some squares when counting squares.*

1) Example answer:

Disagree. This method is slower and can lead to the wrong answer if you count a square more than once. The best way would be to count how many squares are in a row and multiply this by the number of rows, e.g. 9 × 12 = 108.

| Child	Calculation	Tick or Cross	How Do You Know?
Ravi	4 × 3 = 12	✗	Ravi has left out the extra square.
Max	4 × 4 = 16	✗	Max has counted too many squares in each row.
Ava	4 × 3 = 12 12 + 1 = 13	✓	Ava has calculated the number of squares in each row and then added the extra square on.

1) a)

Area of Shape A = **4** squares

Area of Shape B = **3** squares

Area of Shape C = **3** squares

Total area = **4** + **3** + **3** = 10 squares

b) Any shape made of 7 squares will be correct. Here are some possible answers:
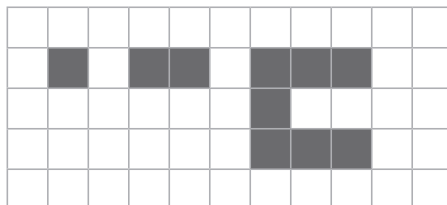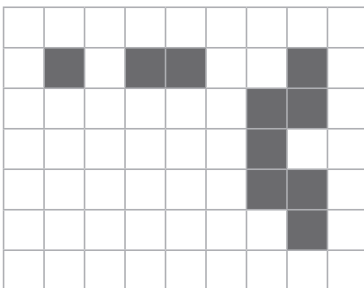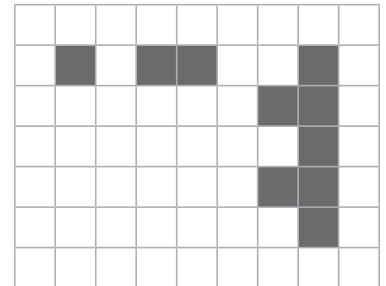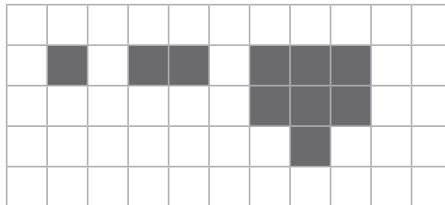
2) 4 × 7 = 28 squares

3) a) 4 × 6 = 24 squares

   b) 8 × 6 = 48 squares