## Y5 - Autumn - Block 1 - Step 6 - Powers of 10 Answers



The pattern of counters in the columns is the same.
In each part, the counters are one column to the left of the previous part.
a) 10
b) 10
c) 10
d) 10

All the answers are 10
a) 20
b) 40

3
c) 43
d) 47
a)

| 100,000 | 200,000 | 300,000 | 400,000 | 500,000 | 600,000 | 700,000 | 800,000 | 900,000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10,000 | 20,000 | 30,000 | 40,000 | 50,000 | 60,000 | 70,000 | 80,000 | 90,000 |
| 1,000 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 |
| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

b) 58,000 is 10 times the size of 5,800

5,800 is 10 times the size of 580
580 is 10 times the size of 58
5,800 is one-tenth the size of 58,000
58,000 is one-tenth the size of 580,000

## Y5 - Autumn - Block 1 - Step 6 - Powers of 10 Answers (continued)

| Question |  | wer |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | a) | 100,000 | 200,000 | 300,000 | 400,000 | 500,000 | 600,000 | 700,000 | 800,000 | 900,000 |
|  |  | 10,000 | 20,000 | 30,000 | 40,000 | 50,000 | 60,000 | 70,000 | 80,000 | 90,000 |
|  |  | 1,000 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 |
|  |  | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
|  |  | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 |  | 8 | 9 |
|  | b) 270,000 is 100 times the size of 2,700 27 is one-hundredth the size of 2,700 |  |  |  |  |  |  |  |  |  |
| 6 | a) 400 cm <br> b) $40,000 \mathrm{~cm}$ <br> c) $400,000 \mathrm{~cm}$ <br> d) $440,000 \mathrm{~cm}$ |  |  |  |  |  |  |  |  |  |
| 7 | a) $3,000 \mathrm{~g}$ <br> b) $300,000 \mathrm{~g}$ <br> c) $1,000,000 \mathrm{~g}$ |  |  |  |  |  |  |  |  |  |
| 8 | $\begin{array}{lll}\text { Tommy } 2,900 & \text { Whitney } 290,000 \\ \text { Annie } 290 & \text { Dexter } 29,000\end{array}$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

