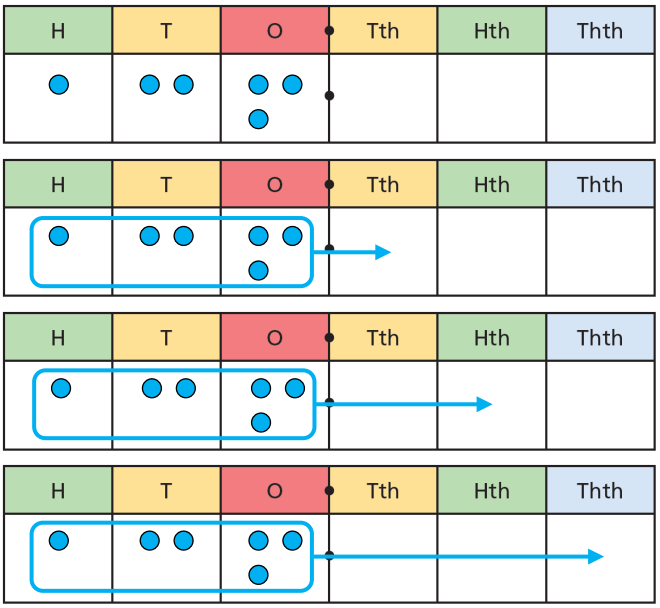
**Y6 – Spring – Block 3 – Step 6 – Divide by 10, 100 and 1,000 Answers**

| Question | Answer |
|---|---|
| 1 | a) 140 ÷ 10 = **14**<br>When a number is divided by 10, the counters move **1** place to the right.<br>b) 140 ÷ 100 = **1.4**<br>When a number is divided by 100, the counters move **2** places to the right.<br>c) 140 ÷ 1,000 = **0.14**<br>When a number is divided by 1,000, the counters move **3** places to the right. |
| 2 |  |
| 3 | a)<br><br>b) 123 ÷ 1 = **123**<br>123 ÷ 10 = **12.3**<br>123 ÷ 100 = **1.23**<br>123 ÷ 1,000 = **0.123**<br>The digits stay the same and move one more place to the right with each division. |
| 4 | a) 16 ÷ 10 = **1.6**<br>b) 43.4 ÷ 100 = **0.434**<br>c) 614 ÷ 1,000 = **0.614**<br>d) 506 ÷ 100 = **5.06**<br>e) 332 ÷ **1,000** = 0.332<br>f) 2.4 ÷ 100 = **0.024**<br>g) 5.09 = **50.9** ÷ 10<br>h) 0.207 = 20.7 ÷ 100 |

**Y6 – Spring – Block 3 – Step 6 – Divide by 10, 100 and 1,000 Answers (continued)**

| Question | Answer |
|---|---|
| 5 | <br>The final answers are all the same.<br>÷ 10 ÷ 10 ÷ 10 is the same as ÷ 100 ÷ 10 is the same as ÷ 1,000<br>10 ÷ 10 ÷ 10 = ÷ 100 ÷ 10 = ÷ 1,000 |
| 6 | =<br><<br>=<br>> |
| 7 | Yes<br>Dexter has moved the digits two places to the right. 54.00 is the same as 54 |
| 8 | No<br>Tiny has moved the 3 three places to the right, instead of moving both the 3 and the 6 two places to the right.<br>The correct answer is 30.06 |