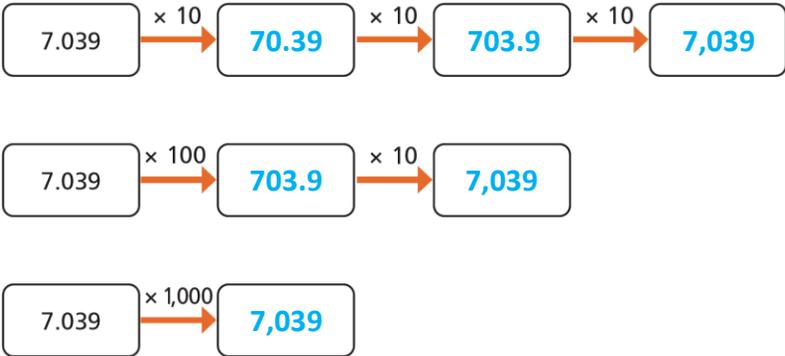| Question	Answer
1	a) $2.3 \times 10 = $ **23** When a number is multiplied by 10, the counters move **1** place to the left. b) $2.3 \times 100 = $ **230** When a number is multiplied by 100, the counters move **2** places to the left. c) $2.3 \times 1,000 = $ **2,300** When a number is multiplied by 1,000, the counters move **3** places to the left.
2	3.06 — × 10 → **30.6** — × 10 → **306**
3	a) b) $4.4 \times 1 = $ **4.4** $4.4 \times 10 = $ **44** $4.4 \times 100 = $ **440** $4.4 \times 1,000 = $ **4,400** The digits stay the same and move one more place to the left with each multiplication.
4	a) $13.44 \times 10 = $ **134.4** b) $41.4 \times 100 = $ **4,140** c) $0.415 \times 1,000 = $ **415** d) $3.06 \times 100 = $ **306** e) $5.5 \times$ **1,000** $= 5,500$ f) **103** $= 1.03 \times 100$ g) $30.44 = $ **3.044** $\times 10$ h) $504 = 100 \times 5.04$

Question	Answer
5	7.039 — ×10 → **70.39** — ×10 → **703.9** — ×10 → **7,039** 7.039 — ×100 → **703.9** — ×10 → **7,039** 7.039 — ×1,000 → **7,039** The final answers are all the same. × 10 × 10 × 10 is the same as × 100 × 10 is the same as × 1,000 10 × 10 × 10 = × 100 × 10 = × 1,000
6	= = < <
7	Kim has multiplied by 2 and then added 2 zeros, instead of moving 28.6 two places to the left. The correct answer is 2,860
8	possible answers: 0.002 × **1** × **1,000** × **1,000** = 2,000 0.002 × **10** × **100** × **1,000** = 2,000 0.002 × **100** × **100** × **100** = 2,000 The numbers on the cards must multiply together to give 1,000,000 So there are three possible answers, as listed above, but the cards can be in any order.