| Question | Answer |
| :---: | :---: |
| 1 | $\begin{aligned} & 5 \times 3 \text { ones }=15 \\ & 5 \times 2 \text { tens }=100 \\ & 15+100=115 \\ & 5 \times 23=115 \end{aligned}$ <br> There are 115 marbles in total. |
| 2 | $\begin{aligned} & 4 \times 5=20 \\ & 4 \times 10=40 \\ & 20+40=60 \\ & 4 \times 15=60 \end{aligned}$ |
| 3 | a) <br> b) $\begin{aligned} & 3 \times 4=12 \\ & 3 \times 20=60 \\ & 12+60=72 \\ & 3 \times 24=72 \\ & 4 \times 5=20 \\ & 4 \times 30=120 \\ & 20+120=140 \\ & 35 \times 4=140 \end{aligned}$ |
| 4 | a) 96 <br> b) 51 <br> c) 75 <br> d) 136 <br> e) 125 <br> f) 210 <br> g) 130 <br> h) 144 |
| 5 | a) $22 \times 4=88$ <br> b) $31 \times 4=124$ |
| 6 | a) multiple possible answers, e.g.: $45 \times 3=135$ <br> b) multiple possible answers: <br> odd product: both numbers odd <br> even product: one or both numbers even <br> exchange in the ones column: product of last two digits $>10$ and answer $<100$ <br> exchange in the both columns: product of last two digits $>10$ and answer $>100$ |

