

Y6 – Autumn – Block 2 – Step 4 – Division using factors Answers

Question	Answer
1	<p>a) $260 \rightarrow \div 10 \rightarrow 26 \rightarrow \div 2 \rightarrow 13$ $260 \div 20 = 13$</p> <p>b) $360 \rightarrow \div 10 \rightarrow 36 \rightarrow \div 3 \rightarrow 12$ $360 \div 30 = 12$</p> <p>c) $240 \rightarrow \div 10 \rightarrow 24 \rightarrow \div 6 \rightarrow 4$ $240 \div 60 = 4$</p> <p>d) $480 \rightarrow \div 4 \rightarrow 120 \rightarrow \div 6 \rightarrow 20$ $480 \div 24 = 20$</p>
2	<p>a) Jack: $816 \div 8 = 102$, $102 \div 6 = 17$ Rosie: $816 \div 12 = 68$, $68 \div 4 = 17$</p> <p>b) $8 \times 6 = 48$ and $12 \times 4 = 48$</p> <p>c) Different children may find different divisions easier.</p>
3	<p>Dora is correct.</p>
4	<p>a) $3,024 \div 6 \div 6$ $3,024 \div 18 \div 18$ $3,024 \div 9 \div 4$ <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p> <p>b) $3,024 \div 12 \div 3$ $3,024 \div 18 \div 2$</p>
5	<p>a) 9 b) 25 c) 85 d) 400</p>
6	<p>$888 \div 8 \div 3$ $888 \div 6 \div 4$ $888 \div 24$ $888 \div 2 \div 6 \div 2$</p> <p>37</p>
7	<p>a) $c = 306$ b) divide 9,180 by 5 to find a, divide a by 3 to find b, divide b by 2 to find c</p>
8	<p>200</p>