3 x tables

1) Sarah says “I know my 3 times table so I can work out 30 x 70 without using a written method.”

Explain why Sarah can do this.

2) Fill in the gaps below:

<table>
<thead>
<tr>
<th></th>
<th>9</th>
<th>12</th>
<th></th>
</tr>
</thead>
</table>

3) David says “Because 3 is odd, all multiples of 3 will be odd.”

Is David correct? Explain your reasoning.

4) Fill in the gaps below:

\[
\begin{align*}
3 \times \underline{\hspace{2cm}} &= 36 \\
33 \div \underline{\hspace{2cm}} &= 3 \\
3 \times \underline{\hspace{2cm}} &= 15 \\
12 \div 4 &= \underline{\hspace{2cm}} \\
3 \times \underline{\hspace{2cm}} &= 240 \\
27 \div \underline{\hspace{2cm}} &= 3
\end{align*}
\]
5) James is buying C.D’s. He buys 3 C.D’s at a cost of £8 each. Draw a representation of this below before writing out the calculation and finding the answer.

6) Fill in the gaps below:

| 1.2 | 1.8 | 2.7 |

7) Create a word problem that requires you to use the $3 \times$ table.

8) A tricycle has 3 wheels. How many wheels are there on 6 tricycles?
9) Write the number sentences for the diagram below:

\[
\begin{align*}
\quad & \times \quad = \\
\quad & \times \quad = \\
\quad & \div \quad = \\
\quad & \div \quad = \\
\quad & \times \quad = \\
\quad & \times \quad = \\
\quad & \div \quad = \\
\quad & \div \quad = \\
\end{align*}
\]

10) Find all the number facts you can for the triangle below: