Problem Solving

1. A rectangle has a length of 12 cm and a width of 6 cm. It is cut in quarters like shown below.

```
12 cm

6 cm
```

The four parts are put together to make the following shape.

```
What is the perimeter of the new shape? 48 cm
```

2. A rectangle has a length of 12 cm and a width of 6 cm. It is cut in quarters like shown below.

```
12 cm

6 cm
```

The four parts are put together to make the following shape.

```
What other perimeters could be made? Numerous solutions
```

Modelled solutions are on the video

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There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of yellow and blue counters.

How many of each colour are there?

\[
\begin{align*}
\text{Red} & = 33 \\
\text{Yellow} & = 24 \\
\text{Blue} & = 24
\end{align*}
\]

There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of red and blue counters.

How many of each colour are there?

\[
\begin{align*}
\text{Red} & = 30 \\
\text{Yellow} & = 21 \\
\text{Blue} & = 30
\end{align*}
\]