

Student answers

This task is about explaining how some students made mistakes on a maths problem.

In a maths test Room 6 were given this problem:



**Puawai had 54 trading cards. She gave 18 to her brother.
How many trading cards does Puawai have left?**

Each student had a different way of working out the problem. Their workings are shown below:

| James | Sarah | Maraea | Sione |
|----------------|--|----------------|--------------------|
| $54 + 18 = 72$ | $\begin{array}{r} 54 \\ - 18 \\ \hline 46 \end{array}$ | $54 - 18 = 44$ | $54 - 20 - 2 = 32$ |

Each student has made a mistake. For each student identify what they did wrong.

| James |
|----------------|
| $54 + 18 = 72$ |

Explain what James did wrong.

$$\begin{array}{r} \text{Sarah} \\ 54 \\ - 18 \\ \hline 46 \end{array}$$

Explain what Sarah did wrong.

$$\begin{array}{r} \text{Maraea} \\ 54 - 18 = 44 \end{array}$$

Explain what Maraea did wrong.

$$\begin{array}{r} \text{Sione} \\ 54 - 20 - 2 = 32 \end{array}$$

Explain what Sione did wrong.