

1 PICK THE MISTAKES

Room 5 were given a maths test.
The recordings of some students are shown.
Find the error each student has made
Write down what they should have written.
What would you tell each of the students to help them?

- a** Ella got 167 points and Holly got 148 points in their music exams.
How many more points did Ella get?

Amy

$$\begin{aligned} 167 - 148 &= 100 + 100 - (60 + 40) - (7 + 8) \\ &= 200 - 100 - 15 \\ &= 100 - 15 \\ &= 85 \end{aligned}$$

Beth

$$\begin{aligned} 167 + 148 &= 100 + 100 + 60 + 40 + 7 + 8 \\ &= 200 + 15 \\ &= 215 \end{aligned}$$

Aaron

$$\begin{aligned} 167 - 148 &= 167 - 150 - 2 \\ &= 167 - 100 - 50 - 2 \\ &= 67 - 50 - 2 \\ &= 17 - 2 \\ &= 15 \end{aligned}$$

- b** $487 + ? = 924$

Amy

$$\begin{aligned} 487 + ? &= 924 \\ 400 + 500 &= 900 \\ 20 + 60 &= 80 \\ 4 + 3 &= 7 \\ 500 + 60 + 3 &= 563 \\ 487 + 563 &= 924 \end{aligned}$$

Beth

$$\begin{aligned} 487 + ? &= 924 \\ 487 + 500 &= 987 \\ 987 - 63 &= 924 \\ 500 + 63 &= 563 \end{aligned}$$

Aaron

$$\begin{aligned} 487 + ? &= 924 \\ 487 + 13 &= 500 \\ 500 + 424 &= 924 \\ 424 - 13 &= 411 \end{aligned}$$

1 PICK THE MISTAKES

Room 5 were given a maths test.
The recordings of some students are shown.
Find the error each student has made
Write down what they should have written.
What would you tell each of the students to help them?

- a** Ella got 167 points and Holly got 148 points in their music exams.
How many more points did Ella get?

Amy

$$\begin{aligned} 167 - 148 &= 100 + 100 - (60 + 40) - (7 + 8) \\ &= 200 - 100 - 15 \\ &= 100 - 15 \\ &= 85 \end{aligned}$$

Beth

$$\begin{aligned} 167 + 148 &= 100 + 100 + 60 + 40 + 7 + 8 \\ &= 200 + 15 \\ &= 215 \end{aligned}$$

Aaron

$$\begin{aligned} 167 - 148 &= 167 - 150 - 2 \\ &= 167 - 100 - 50 - 2 \\ &= 67 - 50 - 2 \\ &= 17 - 2 \\ &= 15 \end{aligned}$$

- b** $487 + ? = 924$

Amy

$$\begin{aligned} 487 + ? &= 924 \\ 400 + 500 &= 900 \\ 20 + 60 &= 80 \\ 4 + 3 &= 7 \\ 500 + 60 + 3 &= 563 \\ 487 + 563 &= 924 \end{aligned}$$

Beth

$$\begin{aligned} 487 + ? &= 924 \\ 487 + 500 &= 987 \\ 987 - 63 &= 924 \\ 500 + 63 &= 563 \end{aligned}$$

Aaron

$$\begin{aligned} 487 + ? &= 924 \\ 487 + 13 &= 500 \\ 500 + 424 &= 924 \\ 424 - 13 &= 411 \end{aligned}$$