Errors and Misconceptions

Look at each card. What error has been made?
How might you help another pupil who has made this mistake?

Mathematics

Errors and Misconceptions

What is the perimeter of this rectangle?
Answer: 15 cm

Mathematics

Errors and Misconceptions

What is the perimeter of this rectangle?
Answer: 50 cm

Mathematics

Errors and Misconceptions

$54 \times 1 = 1$

Mathematics

Errors and Misconceptions

$\frac{1}{6} + \frac{1}{6} = \frac{2}{12}$

Mathematics

Errors and Misconceptions

$3 + 2 \times 5 = 25$

Mathematics

Errors and Misconceptions

Becky goes to the cinema to watch a film which lasts 2 hours and 30 minutes. If the film starts at 2:45 pm, what time does the film end?

$$\begin{array}{r} 2.30 \\ +2.45 \\ \hline 4.75 \end{array}$$

Answer: 4.75 pm

Mathematics

Errors and Misconceptions

The train journey from Manchester to Newcastle is 2.5 hours. If I get a train from Manchester at 3:05pm, what time will I arrive in Newcastle?

$$\begin{array}{r} 2.50 \\ +3.05 \\ \hline 5.55 \end{array}$$

Answer: 5.55 pm

Mathematics

Errors and Misconceptions

$5 \times 0 = 5$

Errors and Misconceptions

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Mathematics

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Write 4% as a decimal.

Answer: 0.4

Mathematics

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0.2 x 0.4 = 0.8

Mathematics

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James runs 100m in 15.5 seconds. Kate runs it 2 seconds faster. What time does Kate run it in?

Answer: 17.5 seconds

Mathematics

Errors and Misconceptions

15.46 + 1.3 = 15.59

Mathematics

Errors and Misconceptions

The distance around a track is 400 metres. What is this in kilometres?

Answer: 400,000 km

Mathematics

Errors and Misconceptions

0.5 x 0.5 = 0.025

Mathematics

Errors and Misconceptions

5.5kg + 5000g = 5005.5kg

Mathematics

Errors and Misconceptions

35 ÷ 100 = 3.5