
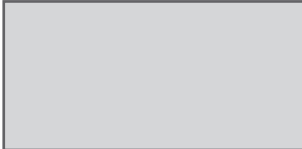

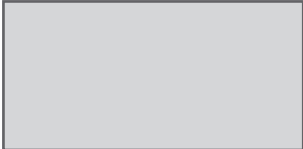








Errors and Misconceptions

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

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> <div style="text-align: center;">  <p>10 cm</p> <p>5 cm</p> </div> <p style="text-align: center;">What is the perimeter of this rectangle? Answer: 15 cm</p> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> <div style="text-align: center;">  <p>10 cm</p> <p>5 cm</p> </div> <p style="text-align: center;">What is the perimeter of this rectangle? Answer: 50 cm</p> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> $54 \times 1 = 1$ </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> $\frac{1}{6} + \frac{1}{6} = \frac{2}{12}$ </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> $3 + 2 \times 5 = 25$ </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> <p>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?</p> <div style="text-align: center;"> $\begin{array}{r} 2.30 \\ + 2.45 \\ \hline 4.75 \end{array}$ </div> <p style="text-align: right;">Answer: 4.75 pm</p> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> <p>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?</p> <div style="text-align: center;"> $\begin{array}{r} 2.50 \\ + 3.05 \\ \hline 5.55 \end{array}$ </div> <p style="text-align: right;">Answer: 5.55 pm</p> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="background-color: #a0a0c0; padding: 5px; text-align: center;">Mathematics</div> </div> <h3 style="text-align: center; color: #e67e22;">Errors and Misconceptions</h3> <div style="border: 2px solid #e67e22; padding: 10px; margin: 10px;"> $5 \times 0 = 5$ </div>

Errors and Misconceptions

Look at each card. What error has been made?
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<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>Write 4% as a decimal. Answer: 0.4</div>	<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>$0.2 \times 0.4 = 0.8$</div>
<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>James runs 100m in 15.5 seconds. Kate runs it 2 seconds faster. What time does Kate run it in? Answer: 17.5 seconds</div>	<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>$15.46 + 1.3 = 15.59$</div>
<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>The distance around a track is 400 metres. What is this in kilometres? Answer: 400,000 km</div>	<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>$0.5 \times 0.5 = 0.025$</div>
<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>$5.5\text{kg} + 5000\text{g} = 5005.5\text{kg}$</div>	<div>Mathematics</div> <div>Errors and Misconceptions</div> <div>$35 \div 100 = 3.5$</div>