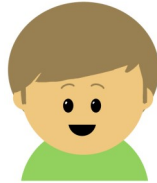


Deepening Understanding - Always, Sometimes or Never?

Year 4: Measures

Always, Sometimes or Never?

Jerry says, "When the minute hand is on nine, it is a quarter turn to reach o'clock."



Always, Sometimes or Never?

Something measured in centimetres is smaller than something measured in inches.

Always, Sometimes or Never?

It is only possible to add lengths written in different units by first converting to the same units.

Always, Sometimes or Never?

Marlon believes, "There are 200 minutes in two hours."



Always, Sometimes or Never?

Millie states, "There are 365 days in a year."



Always, Sometimes or Never?

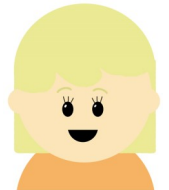
When you've done something for 30 minutes, the minute hand is on the 6.

Always, Sometimes or Never?

The area of a square is smaller than its perimeter.

Always, Sometimes or Never?

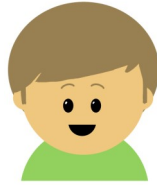
"The perimeter of a square is four times the length," claimed Jane.



Deepening Understanding - Always, Sometimes or Never?

Year 4: Measures Answers

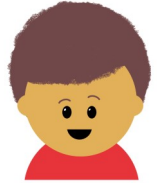
Always - presuming the hand has moved clockwise from quarter-to the hour to o'clock.



Sometimes. 1 inch = 2.5cm.

Always. Before you can add the two numbers, you have to convert one of them to the units of the other. Then you can add them.

Never. 60 minutes = 1 hour so 2 hours = 120 minutes.



Sometimes. In a leap year (every four years) there are 366 days.



Sometimes. It depends where the minute hand started before the 30 minutes.

Sometimes. In a square with sides of 2cm, the area would be $2 \times 2 = 4\text{cm}^2$ but the perimeter would be $2+2+2+2 = 8\text{cm}$. However, a square with sides of 5cm would have an area of 25cm^2 and a perimeter of 20cm.

Always. Perimeter is the distance around the edge of a shape. In a square all sides are the same length so four times the length is equal to the perimeter.

