

MEASURES

Name:

BAM Indicator: Convert between adjacent metric units of measure for length, capacity and mass

1. Complete the statements about measures.

- a) 5 kilometres = _____ metres d) 2 grams = _____ milligrams
b) 3 metres = _____ centimetres e) _____ kilograms = 2400 grams
c) 8.5 centimetres = _____ millimetres f) 6 litres = _____ millilitres

2. A buzzard has a wingspan of 1.1 to 1.36 metres. The weight of a buzzard is between 0.45 and 1.3 kg.

A red kite has a wingspan of 175 to 180 centimetres, and has weight between 800 grams and 1300 kilograms.

Complete the table of measures so that a comparison could be made.

	Buzzard	Red Kite
Minimum wingspan	1.1 m = _____ cm	_____ m = 175 cm
Maximum wingspan	1.36 m = _____ cm	_____ m = 180 cm
Minimum weight	0.45 kg = _____ g	_____ kg = 800 g
Maximum weight	1.3 kg = _____ g	_____ kg = 1300 g

3. Sebastian writes,

$$"4.6 \text{ cm} = 4.60 \text{ mm}"$$

Do you agree with Sebastian? Give reasons for your answer.

F

A

M

<p>4. Write the following lengths in order of size, starting with the smallest.</p> <p style="text-align: center;">35 cm 1.2 m 200 mm 8.7 cm 0.3 m</p> <p style="text-align: center;">_____ , _____ , _____ , _____ , _____</p>	P
<p>5. Which length is longest: 3000 millimetres or 4 metres? Explain how you know.</p>	R
<p>Overall, I think my success level is:</p>	<p style="text-align: center;">Low High</p> <p style="text-align: center;">○ ○ ○ ○</p>

F = Fluency R = Reasoning P = Problem-solving A = Application M = Misconception

Q	MEASURES	😊	☹️
	I know the connection between metric units length, mass and capacity		
	I can convert between metric units of length		
	I can convert between metric units of capacity		
	I can convert between metric units of mass		
	I can use decimal notation when converting between metric units		

Improvements I could make:

Mathematical presentation	Method	Accuracy	Units
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