

Tuesday (answers) – LO: to convert between metric measures.

Varied fluency

Developing

1a. True. 300g (10% of 3kg) is smaller than 1,000g.

2a. 1.5cm; 150mm; 100cm, 1.5m

3a. $\times 1,000$; 1,500

4a. a: 150cm = 1.5m; d: 1L = 1,000ml

Expected

5a. True. 1,250ml (50% of 2.5L) is larger than 1,000ml.

6a. 1.455mm; 1m; 1.5m; 1,605mm; 175cm; 250cm

7a. $\div 1,000$; 0.535

8a. a: 1,550m = 1.55km; c: 75cm = 750mm

Greater Depth

9a. False. 322.14g (26% of 1.239kg) is larger than 322g.

10a. 0.73mm; 0.63cm; 0.008m; 81.08cm; 2.08m; 8,003mm

11a. $\times 1,000$; 1,104

12a. b: 23.56mm = 2.356cm; c: 548,000mm = 548m

Reasoning and problem solving

Developing

1b. Farah is incorrect because her sunflower grew 44cm in Week 3, which is more than any other week.

2b. 1x Small; 2x Medium; 3x Large

3b. Jamal is correct because to convert L to ml, you need to multiply by 1,000.

$$8.5 \times 1,000 = 8,500$$

Expected

4b. Ellie is incorrect because her container filled with 240ml on Friday, which is more than any other day.

5b. 2x Course 1; 1x Course 2; 2x Course 3

6b. Aelin is correct because to convert L to ml, you need to multiply by 1,000.

$$3.657 \times 1,000 = 3,657$$

Greater Depth

7b. Sartaq is incorrect because Rhoe's tower was 585.304cm tall, which is taller than any of the other towers.

8b. 2x Nuts; 1x Sausages; 1x Apples

9b. James is correct because to convert seconds to hours, you need to divide by 3,600 (or divide by 60 and by 60 again).

$$259,200 \div 3,600 = 72$$