#### LO: To convert metric units of measure (bronze)

#### Practise



- 1) 35mm
- 2) 2m
- 3) 2.57m
- 4) 345mm

## Convert the following to metres

- 5) 574cm
- 6) 323cm
- 7) 5.43km
- 8) 1.24km

Convert the following to km or litres depending on relevance.

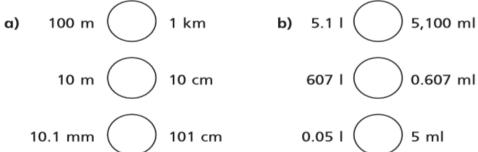
- 9) 3453m
- 10)8587ml
- 11)485m
- 12)129ml

#### Fluency

- 13) Josh is trying to run 10 kilometres in one week. On day one he runs 1.3 kilometres. On day two he runs 749 metres and on day three he runs 4.28 kilometres. How much further does he have to run?
- 14) Miss Brown is making a packed lunch for each child in her class. They each receive: A 200g sandwich, a 35g packet of crisps, a 72g cookie and a 43g apple.

She has 32 children in her class. What is the total weight of the classes packed lunch?

Write >, < or = to complete the statements.



### LO: To convert metric units of measure (silver)

#### **Practise**

Convert the following to cm.

- 1) 2.57m
- 2) 345mm
- 3) 47mm

Convert the following to metres

- 4) 5.43km
- 5) 1.24km
- 6) 736cm

Convert the following to km or litres depending on relevance.

- 7) 485cm
- 8) 129ml
- 9) 5943ml

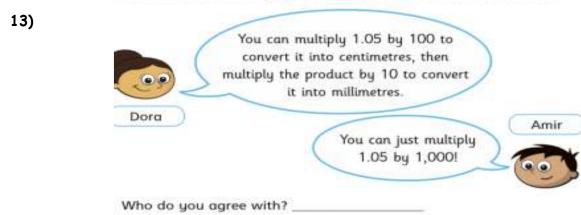
#### <u>Fluency</u>

10)Miss Brown is making a packed lunch for each child in her class. They each receive: A 200g sandwich, a 35g packet of crisps, a 72g cookie and a 43g apple. She has 32 children in her class. What is the total weight of the classes packed lunch?

#### Reasoning

- 11) True or false? If you convert any amount of grams into kilograms then it will never have an amount in the units e.g. 76g = 0.0076kg
- 12)A shop sells litre bottles of water for 99p each but has an offer for  $8 \times 300$ ml bottles for £2. If Steve wants to buy 12 l of water which should he buy and why?

Problem Solving Dora and Amir are trying to convert 1.05 metres into millimetres.



Explain your thinking.

# LO: To convert metric units of measure (gold)

#### Practise

Convert the	fol	lowing	to	cm.
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- 1) 2.57m
- 2) 345mm

Convert the following to metres

- 3) 5.43km
- 4) 736cm

Convert the following to km or litres depending on relevance.

- 5) 485cm
- 6) 5943ml

#### Fluency

7) Miss Brown is making a packed lunch for each child in her class. They each receive: A 200g sandwich, a 35g packet of crisps, a 72g cookie and a 43g apple. She has 32 children in her class. What is the total weight of the classes packed lunch?

# Reasoning

8) A shop sells litre bottles of water for 99p each but has an offer for  $8 \times 300$ ml bottles for £2. If Steve wants to buy 12l of water which should he buy and why?

### Problem Solving

- 9) Three athletes (Ben, Greg and Sam) jumped a total of 34.77m in a long jump competition. Greg jumped exactly 2 metres further than Ben. Sam jumped exactly 2 metres further than Greg. What distance did they all jump?
- There are 1,000 kg in one tonne.

a) How many grams are there in one tonne?

b) A car weighs 1.3 tonnes.	
Write the weight of the car in grams.	

# Practise

Convert the following to cm.

- 1) 3.5 cm
- 2) 200 cm
- 3) 257 cm
- 4) 34.5 cm

Convert the following to metres

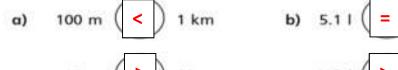
- 5) 5,74 m
- 6) 3.23 m
- 7) 5430 m
- 8) 1240 m

Convert the following to km or litres depending on relevance.

- 9) 3.453 km
- 10)8,587 I
- 11)0.485 km
- 12)0.129 I

#### **Fluency**

- 13) 3.671 km
- 14) 11,200g or 11.2 kg
- Write > , < or = to complete the statements.</p>







#### LO: To convert metric units of measure (silver)

#### **Practise**

Convert the following to cm.

- 1) 257 cm
- 2) 34.5 mm
- 3) 4.7 mm

Convert the following to metres

- 4) 5430 m
- 5) 1240 m
- 6) 7.36 m

Convert the following to km or litres depending on relevance.

- 7) 0.00485 km
- 8) 0.129 I
- 9) 5.943 |

# Fluency

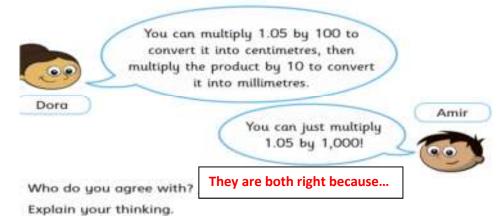
10)11,200g or 11.2 kg

#### Reasoning

- 11)False any amount above 1000 will have an amount in the units colomn e.g. 3450g = 3.45kg

#### Problem solving

13) Dora and Amir are trying to convert 1.05 metres into millimetres.



# LO: To convert metric units of measure (gold)

#### Practise

Convert the following to cm.

- 1) 2.57 cm
- 2) 34.5 cm

Convert the following to metres

- 3) 5430 m
- 4) 7.36 m

Convert the following to km or litres depending on relevance.

- 5) 0.00485 km
- 6) 5.943 I

### **Fluency**

7) 11,200g or 11.2 kg

### Reasoning

# Problem Solving

- 9) Sam = 13.59m Greg = 11.59m Ben = 9.59m
- There are 1,000 kg in one tonne.
  - a) How many grams are there in one tonne?

1,000,000g

b) A car weighs 1.3 tonnes.
Write the weight of the car in grams.

1,300,000g

# Reasoning

- 1) True or false? If you convert any amount of grams into kilograms then it will never have an amount in the units e.g. 76g = 0.0076kg
- 2) A shop sells litre bottles of water for 99p each but has an offer for  $8 \times 300$ ml bottles for £2. If Steve wants to buy 12l of water which should he buy and why?

## Problem Solving

11) Your friend has asked you to give them questions that test their fluency. Write some questions that check their fluency in converting measures (check fluency for ideas if you are unsure)