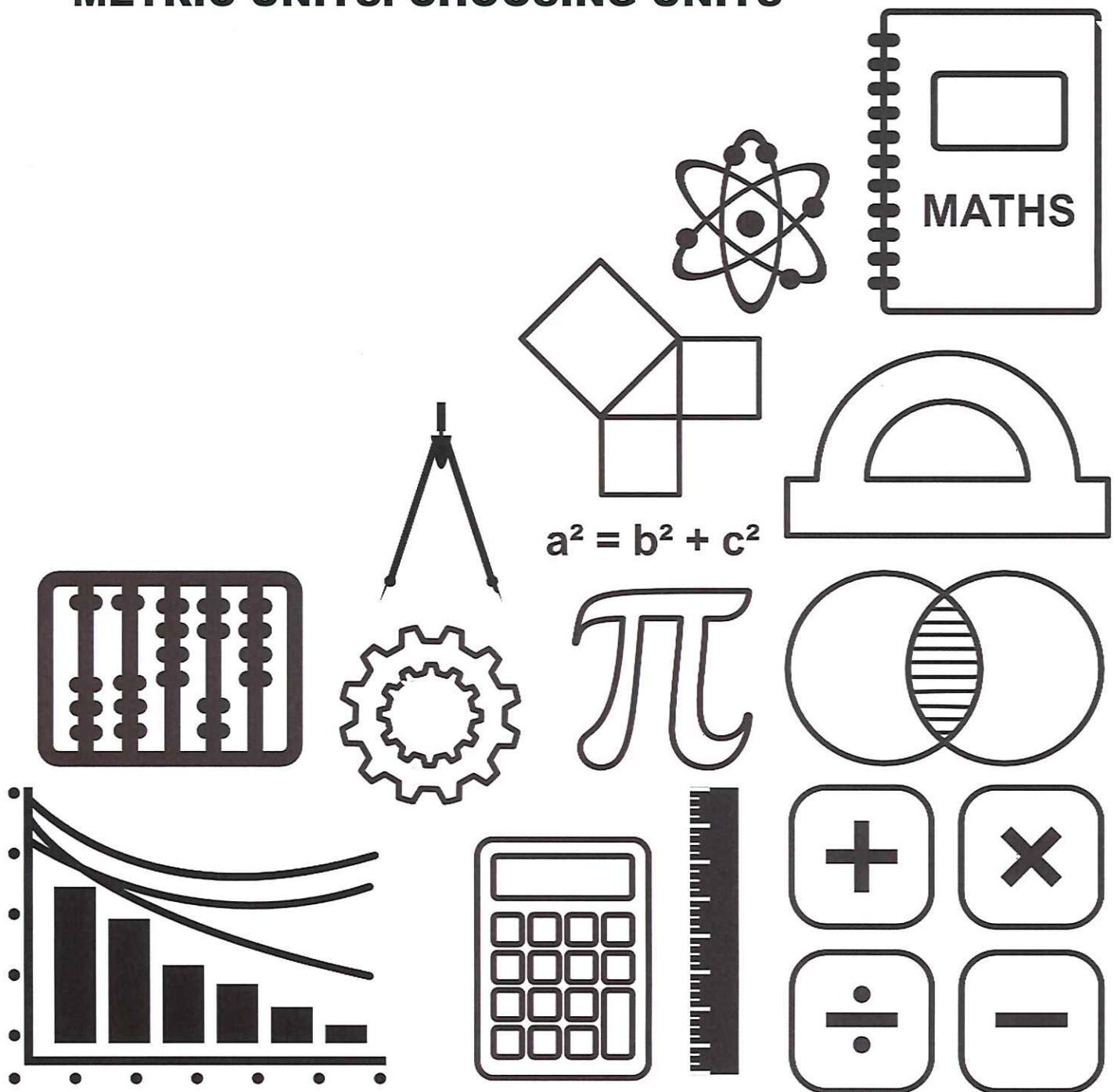


# MATHSDIY

GCSE TOPIC BOOKLET

SOLUTIONS

METRIC UNITS: CHOOSING UNITS



1. Which **metric unit** is best used to measure

- (i) the weight of a car,
- (ii) the volume of a container of milk,
- (iii) the distance between Llandrindod Wells and Wrexham?

kg (or tonnes)  
litres  
km

[3]

2. Which metric unit is best used to measure

- (i) the distance between Cardiff and Bangor,
- (ii) the amount of water in a bath,
- (iii) the area of this page?

km  
litres  
cm<sup>2</sup> (square cm)

[3]

3. Which metric unit is best used to measure

- (i) the length of a football pitch,
- (ii) the weight of a bag of potatoes,
- (iii) the amount of petrol in the petrol tank of a car,
- (iv) the area of the floor of a classroom?

metres  
kg  
litres  
km<sup>2</sup> (square km)

[4]

4. Which **metric unit** is **best used** to measure

- (i) the volume of water in a large swimming pool,
- (ii) the area of a window,
- (iii) the length of a football pitch,
- (iv) the weight of a pencil?

litres  
m<sup>2</sup> (square m)  
metres  
g (grams)

[4]

5. Which metric unit is best used to measure

the distance from Berlin to Paris,

the area of the cover of a book,

the volume of medicine on a teaspoon,

the weight of a man?

km  
cm<sup>2</sup> (square cm)  
ml  
kg

[4]

6. Which metric unit is best used to measure

the distance from Rome to Paris,

the volume of water used for a shower,

the area of a tennis court,

the weight of a piece of toast?

km  
litres  
m<sup>2</sup> (square m)  
g (grams)

[4]

7. Which metric unit is best used to measure

the weight of a person,

the area of a page in a book,

the amount of diesel in the tank of a lorry,

the distance from Cardiff to Swansea?

kg  
cm<sup>2</sup> (square cm)  
litres  
km

[4]

8. Circle the quantity that is the appropriate estimate for the following

Volume of a kettle

1 litre

100ml

10cm<sup>3</sup>

1cl

Weight of a woman

60g

60kg

60mg

600kg

Distance from London to Paris

3400km

340km

34km

3.4km

Area of this page

600cm<sup>2</sup>

6m<sup>2</sup>

60mm<sup>2</sup>

600cm<sup>3</sup>

[4]