C1 *Units of Measurement* Data Sheets

Data Sheets

C1.1 Metric Measures
C1.2 Number Scales
C1.3 Conversion Between Metric Lengths
C1.4 Area
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Data Sheet C1.1

Metric Measures

Different units can be used to measure the same quantities. It is important to use sensible units. Some important units are listed below.

1 km	=	1000 m
1 m	=	100 cm
1 m	=	1000 mm
1 cm	=	10 mm
1 tonne	=	1000 kg
1 kg	=	1000 g
1 litre	=	1000 ml
1 m^3	=	1000 litres
1 cm^3	=	1 ml

What would be the best units to use when measuring the following:

(a) the distance between London and Bristol

(b) the width of a watchface

(c) the mass of a person

(d) the mass of a letter

(e) the mass of a lorry

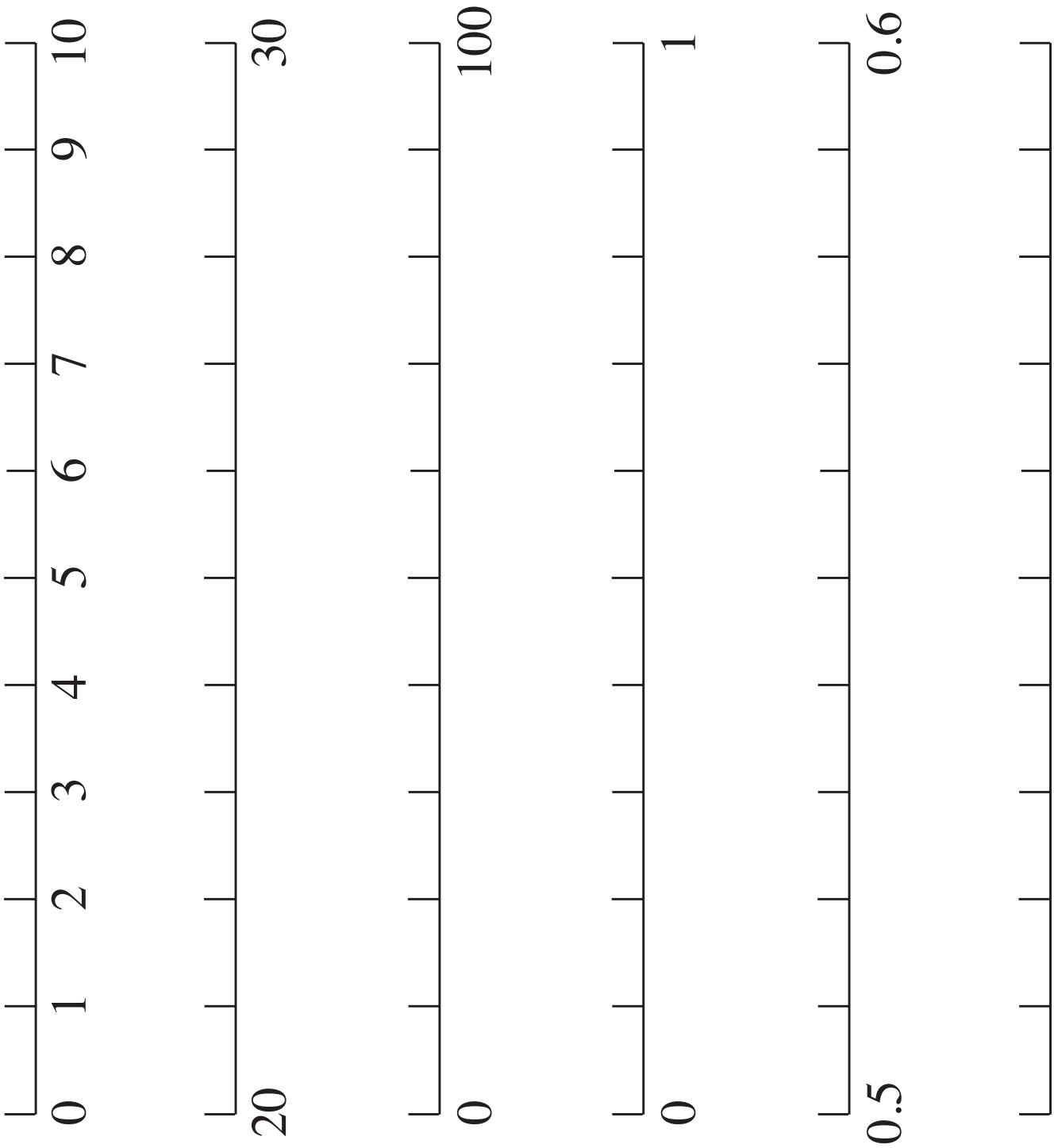
(f) the volume of medicine in a spoon

(g) the volume of water in a swimming pool.

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Data Sheet C1.2

Number Scales



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Data Sheet C1.3 *Conversion Between Metric Lengths*

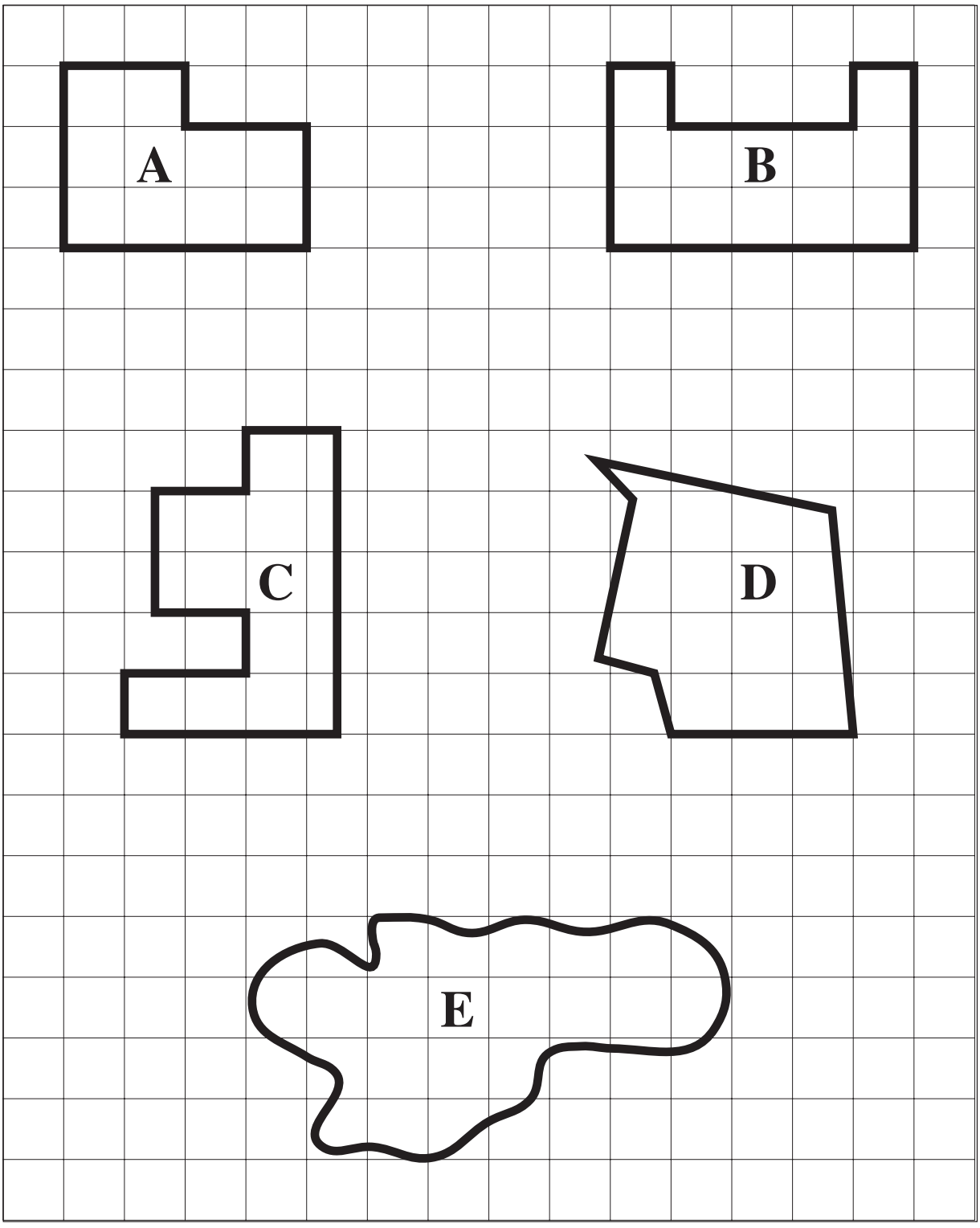
Length in m	*Length in cm*	*Length in mm*
4		
	311	
		1500
	374	
8.62		

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Data Sheet C1.4

Area

Count or estimate the number of 1 cm squares in each figure below, and give the area of each figure.



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Data Sheet C1.5

Imperial Units

Imperial Units

1 foot	=	12 inches
1 yard	=	3 feet
1 pound (lb)	=	16 ounces
1 stone	=	14 pounds
1 gallon	=	8 pints

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Data Sheet C1.6 *Conversion Facts*

Conversion Facts

1 kg is about 2.2 lbs

1 gallon is about 4.5 litres

1 litre is about 1.75 pints

5 miles is about 8 km

1 inch is about 2.5 cm

1 foot is about 30 cm

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