Use the conversion charts to help you convert between the different units of measurement.

```
        ÷ 1000                    ÷ 1000
┌──────────┐      ┌───────────────┐      ┌──────────┐
│ grams (g)│      │ kilograms (kg)│      │  tonnes  │
└──────────┘      └───────────────┘      └──────────┘
        × 1000                    × 1000
```
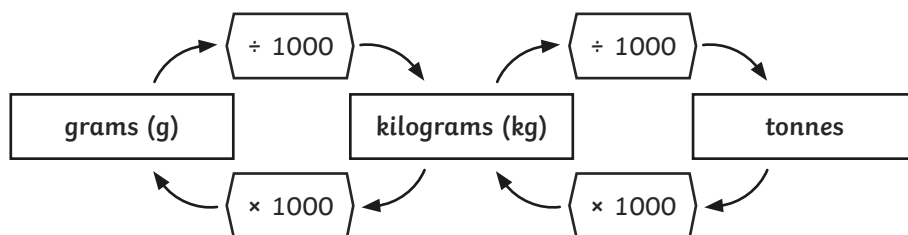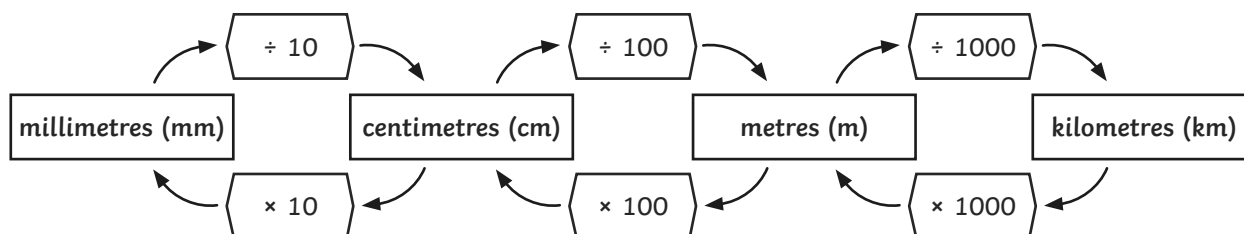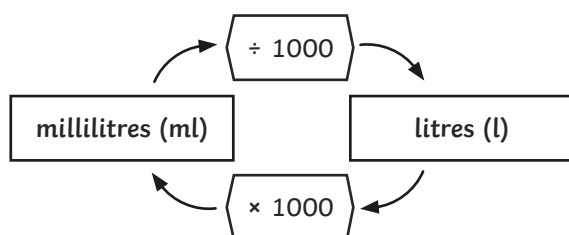
1)

g	kg
1500	
	0.8
3010	
	2.95

2)

kg	tonnes
	7
1500	
	0.9
4080	

```
        ÷ 1000
┌────────────────┐      ┌───────────┐
│ millilitres (ml)│      │ litres (l)│
└────────────────┘      └───────────┘
        × 1000
```

3)

ml	l
	7.5
950	
	0.065
1990	

```
        ÷ 10            ÷ 100             ÷ 1000
┌───────────────┐  ┌────────────────┐  ┌────────────┐  ┌────────────────┐
│ millimetres (mm)│  │ centimetres (cm)│  │ metres (m) │  │ kilometres (km)│
└───────────────┘  └────────────────┘  └────────────┘  └────────────────┘
        × 10            × 100             × 1000
```

4)

mm	cm	m	km
	20 000		
		412	
			1.1

1) True or false? Correct any mistakes.

a) 1.7km = 1.700km = 1700m _____

b) 10 001g < 10.1kg > 0.1 tonnes _____

c) The three volumes shown are correctly ordered from smallest to greatest. _____

2215ml

4l

3l

2l

1l

2.25l

Smallest
volume
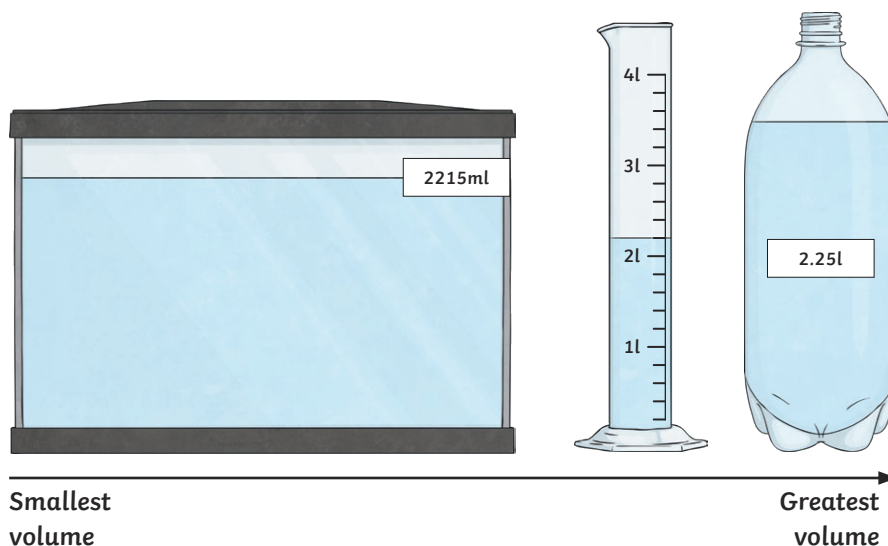
Greatest
volume

2) Explain if each statement is correct or not, giving a reason.

a) 100 of these rulers put together could measure 15 metres.

_____

b) 1000 of these rulers put together would make a distance greater than a km.

_____

c) If I had a pencil point measuring 0.5mm, I would need 300 of them to make a length equal to the length this ruler can measure.

_____

Patsy, the postal worker, is arranging some parcels on the shelves in the post office.

225mm

42cm

Parcel A

350mm

Parcel B

0.6m

68cm

Parcel C

0.475m

Shelf measures 1.12m
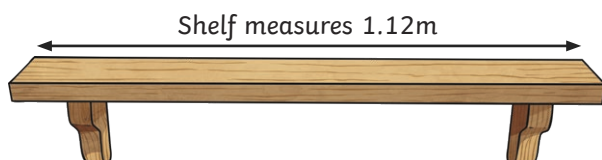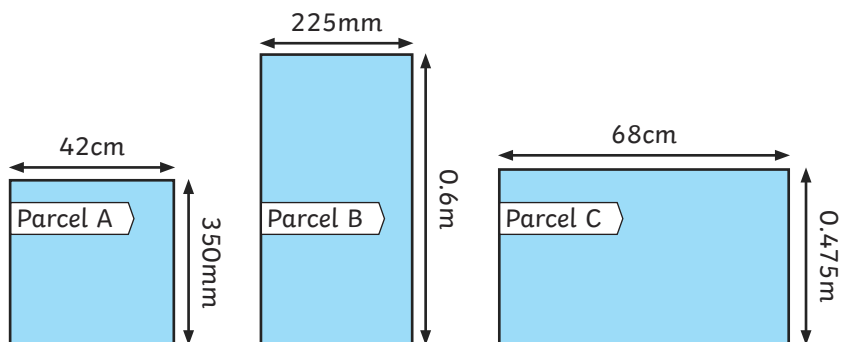
1) How could she arrange the three parcels so that they sit on the shelf with no gaps?
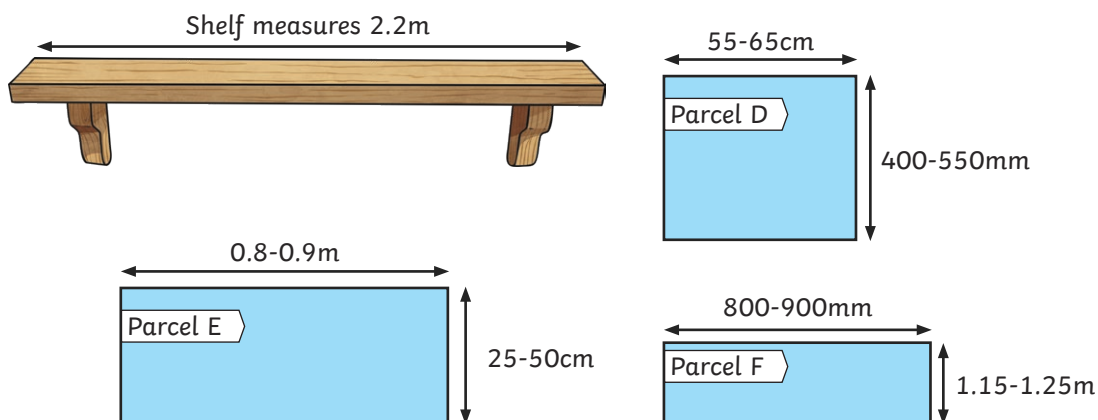(Think about turning the parcels round so they could fit.)

_____

_____

2) How could Patsy fit the same parcels on a shelf which measures 1.05m?

_____

_____

3) Patsy receives three more parcels. When placed on the shelf below, there are no gaps between them.

Shelf measures 2.2m

55-65cm

Parcel D

400-550mm

0.8-0.9m

Parcel E

25-50cm

800-900mm

Parcel F

1.15-1.25m

Give the possible dimensions for each parcel so that all three parcels can be arranged on the shelf with no gaps. Find three different possible answers.

_____

_____

_____