

**Question 1**

Here is part of a bus timetable.

<b>Wigan – Atherton – Eccles – Manchester</b>					
<b>Wigan</b> , Bus station	0530	0555	0620		0640
Castle Hill	0545	0610	0635		0655
Hindley Green	0552	0617	0642		0702
<b>Atherton</b>	0558	0623	0648	0700	0710
Tyldesley	0604	0629	0654	0706	0716
Monton Green	0625	0650	0715	0729	0739
<b>Eccles</b>	0631	0656	0722	0736	0746
Weaste	0633	0658	0725	0739	0749
Trafford Road	0636	0701	0730	0744	0754
<b>Manchester</b> Bus Station	0650	0717	0746	0800	0810

- (a) At what time should the 0620 from Wigan arrive at Monton Green? **(1 mark)**
- (b) How long should it take the 0629 bus from Tyldesley to travel to Trafford Road?  
**(2 marks)**

Susan catches a bus in Atherton.  
She needs to be in Eccles by 0700.

- (c) What is the time of the latest bus she could catch from Atherton? **(1 mark)**

## Question 2

The table gives information about five ski resorts on one day in December.

Ski resort	Temperature (°C)	Depth of snow (cm)	
		Lower slopes	Upper slopes
Aspen	−6	75	83
Cortina	4	25	110
Klosters	−8	35	190
Tignes	−3	90	120
Zermatt	0	20	90

- (a) Write down the temperature in Tignes.

..... °C  
(1 mark)

- (b) Write down the depth of snow on the Lower slopes in Aspen.

..... cm  
(1 mark)

The depth of snow on the Upper slopes in one of the resorts was 90 cm.

- (c) Write down the name of this resort.

(1 mark)

- (d) Write down the name of the resort which had the lowest temperature.

(1 mark)

- (e) Write down the greatest depth of snow.

Give your answers in **metres**

..... metres  
(2 marks)

- (f) How many degrees higher was the temperature in Cortina than the temperature in Aspen?

..... °C  
(2 marks)

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**Question 3**

Recipe for Bread and Butter Pudding

6 slices of bread

2 eggs

1 pint of milk

150 g raisins

10 g margarine

This recipe is enough for 4 people.

**(a)** Work out the amounts needed so that there will be enough for 6 people.

..... slices of bread

..... eggs

..... pints of milk

..... g raisins

..... g margarine

**(3 marks)**

There are 450 g in 1 pound.

There are 16 ounces in 1 pound.

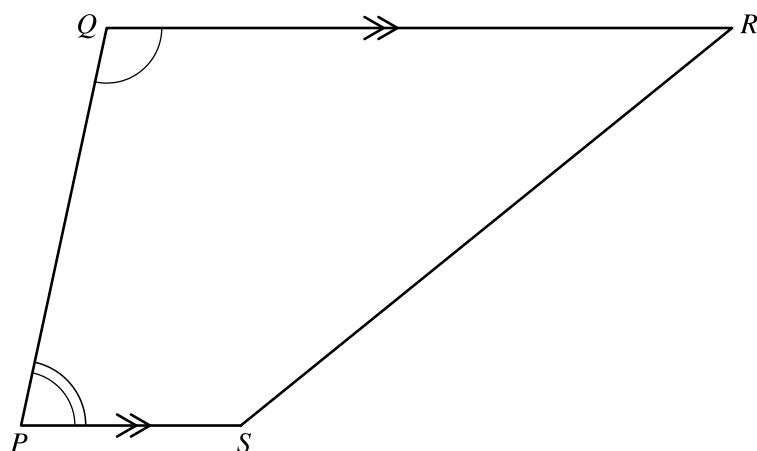
**(b)** Change 150 g into ounces.

**(3 marks)**

Give your answer correct to the nearest ounce.

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**Question 4**



- (a) i) Measure and write down the size of angle  $P$ .  
ii) Write down the mathematical name for angle  $P$ . **(2 marks)**
- (b) i) Measure and write down the size of angle  $Q$ .  
ii) Write down the mathematical name for angle  $Q$ . **(2 marks)**
- (c) Measure and write down the length of the line  $RS$ . **(1 mark)**
- (d) Mark, with an X, the point on  $PQ$  that is 2.4 cm from  $P$ . **(1 mark)**
- (e) Write down the mathematical name given to the four sided shape  $PQRS$ . **(1 mark)**

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**Question 5**

Here is a sketch of a triangle.

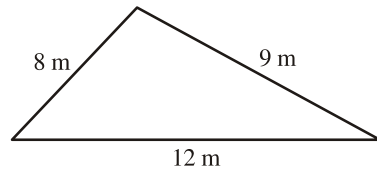


Diagram **NOT**  
accurately drawn.

The lengths of the sides of the triangle are 8 m, 9 m and 12 m.

Use a scale of 1 cm to 2 m to make an accurate scale drawing of the triangle.

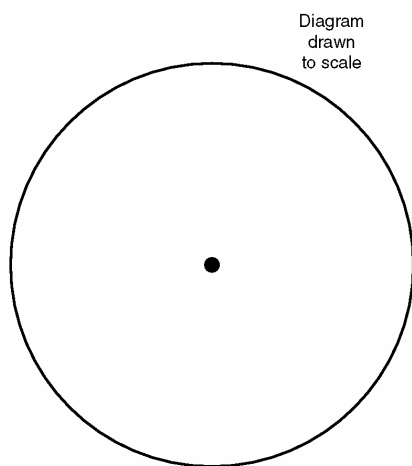
**( 3 marks)**

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**Question 6**

1 cm represents 10 km.

An earthquake has its centre at the centre of the circle shown in the scale drawing and affects everywhere inside the circle.



- (a) Find the actual radius, in kilometres, of the circle affected by the earthquake.
- (b) Calculate the area affected by the earthquake. Give your answer in  $\text{km}^2$  correct to the nearest whole number.

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**Question 7**

Write down the **metric** unit you would use to measure:

- i) the length of a person's hand
- ii) the weight of a mouse
- iii) the distance from Manchester to London
- iv) a teaspoon of medicine

**(4 marks)**

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**Question 8**

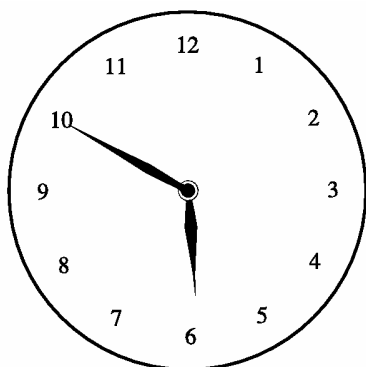
Isobel can swim the length of a pool in 20 seconds.  
She swims 20 lengths.

- (a) Work out how long, in seconds, it takes Isobel to swim 20 lengths.
- (b) Change your answer to **a** to minutes and seconds.

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**Question 9**

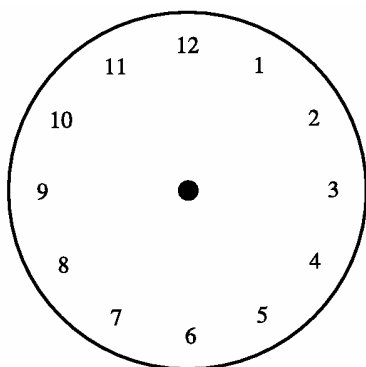
Hamish arrived at the train station at the time shown on the clock.



**(a)** Write down the time shown.

The train arrived 30 minutes later.

**(b)** Draw the hands on the clock face below to show the time when the train arrived.



**(c)** Write this time as it would be shown on a 24 hour clock

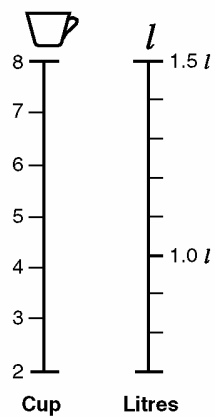
- i)** in the morning
- ii)** in the evening.



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**Question 10**

The picture shows the scale on the side of a kettle.

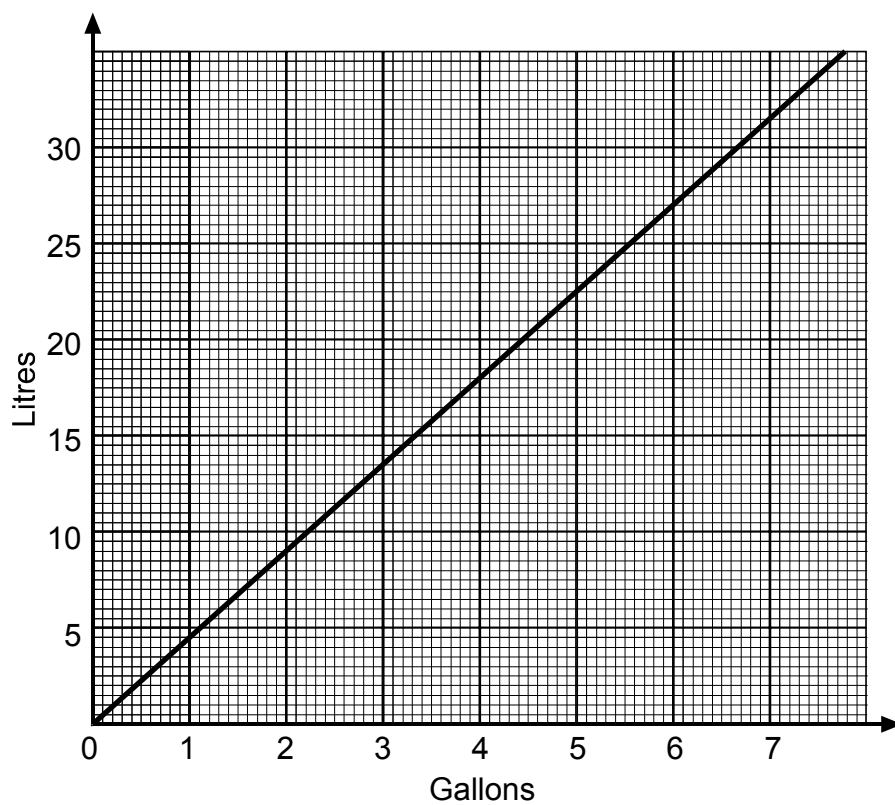


How many litres of water are needed to fill 5 cups?

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**Question 11**

This is a conversion graph for litres and gallons.



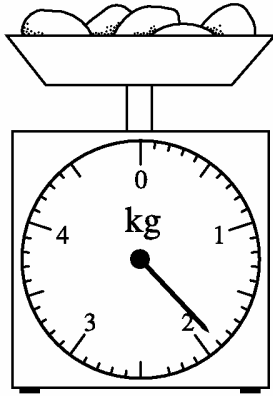
Use the conversion graph to convert

- i) 4 gallons into litres,
- ii) 27 litres into gallons.

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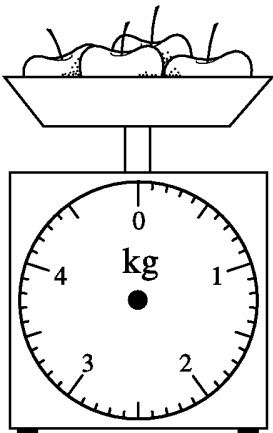
**Question 12**

The diagram shows some potatoes on a set of scales.



- (a) Write down the weight of the potatoes.

Fred buys some apples.  
They weigh 3.65 kilograms.



- (b) Draw a pointer showing 3.65 kilograms on the scales.  
(c) Work out the approximate weight of the apples in pounds.

**In part d you must write down the units with your answer.**  
The apples cost 99p per kilogram.

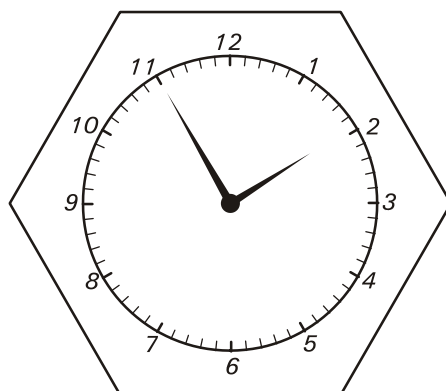
- (d) Work out the total cost of 3.65 kg of apples.

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**Question 13**

Simon's French lesson is in the afternoon.

The time the lesson starts is shown on the clock.



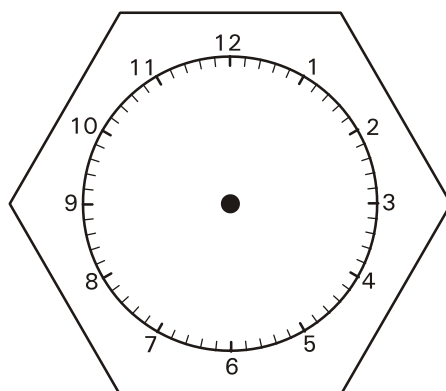
**(a)** Write down the time shown on the clock.

**(1 mark)**

The lesson finishes 35 minutes later.

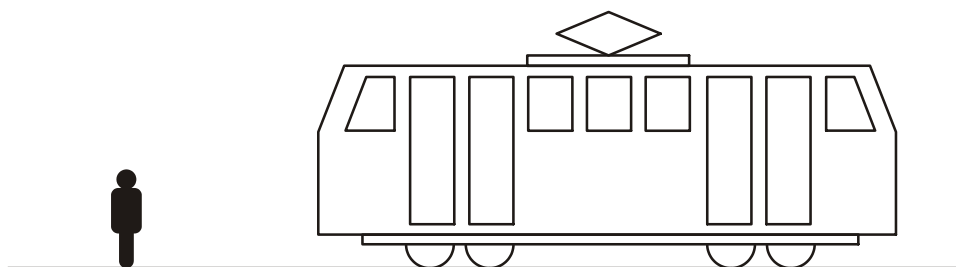
**(b)** Draw hands on this clock to show the time at which the French lesson ends.

**(2 marks)**



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**Question 14**



The diagram shows a man standing next to a tram. The man is of average height.

- (a)** Write down an estimate for the height of the man.

Give your answer in metres.

**(1 mark)**

- (b)** Estimate the length of the tram.

Give your answer in metres.

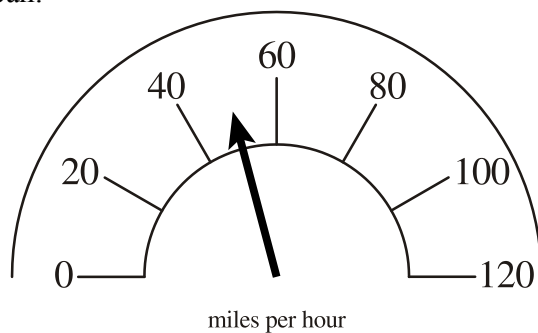
**(3 marks)**

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**Question 15**

Write down the reading shown on this scale.

Be as accurate as you can.



..... miles per hour  
**(1 mark)**

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**Question 16**

Write down the name of a unit which is used to measure

- (i) the length of a garden,
- (ii) the amount of petrol in a car's petrol tank,
- (iii) the area of a school playing field,
- (iv) the weight of a calculator.

**(4 marks)**

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**Question 17**

Complete this table with sensible units for each measurement:

	Metric	Imperial
The distance from Leeds to Liverpool	.....	miles
The weight of a small packet of crisps	grams	.....
The amount of petrol in a car's petrol tank	.....	.....

**(3 marks)**

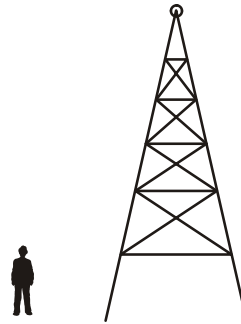
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**Question 18**

The diagram shows a man standing next to a radio mast.  
The man is of average height.

- (i) Write down an estimate for the height of the man.  
Give your answer in metres.

..... m



- (ii) Estimate the height of the radio mast.  
Give your answer in metres.

..... m  
**(3 marks)**

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**Question 19**

Change 4 kilograms into pounds.

..... lbs  
**(2 marks)**