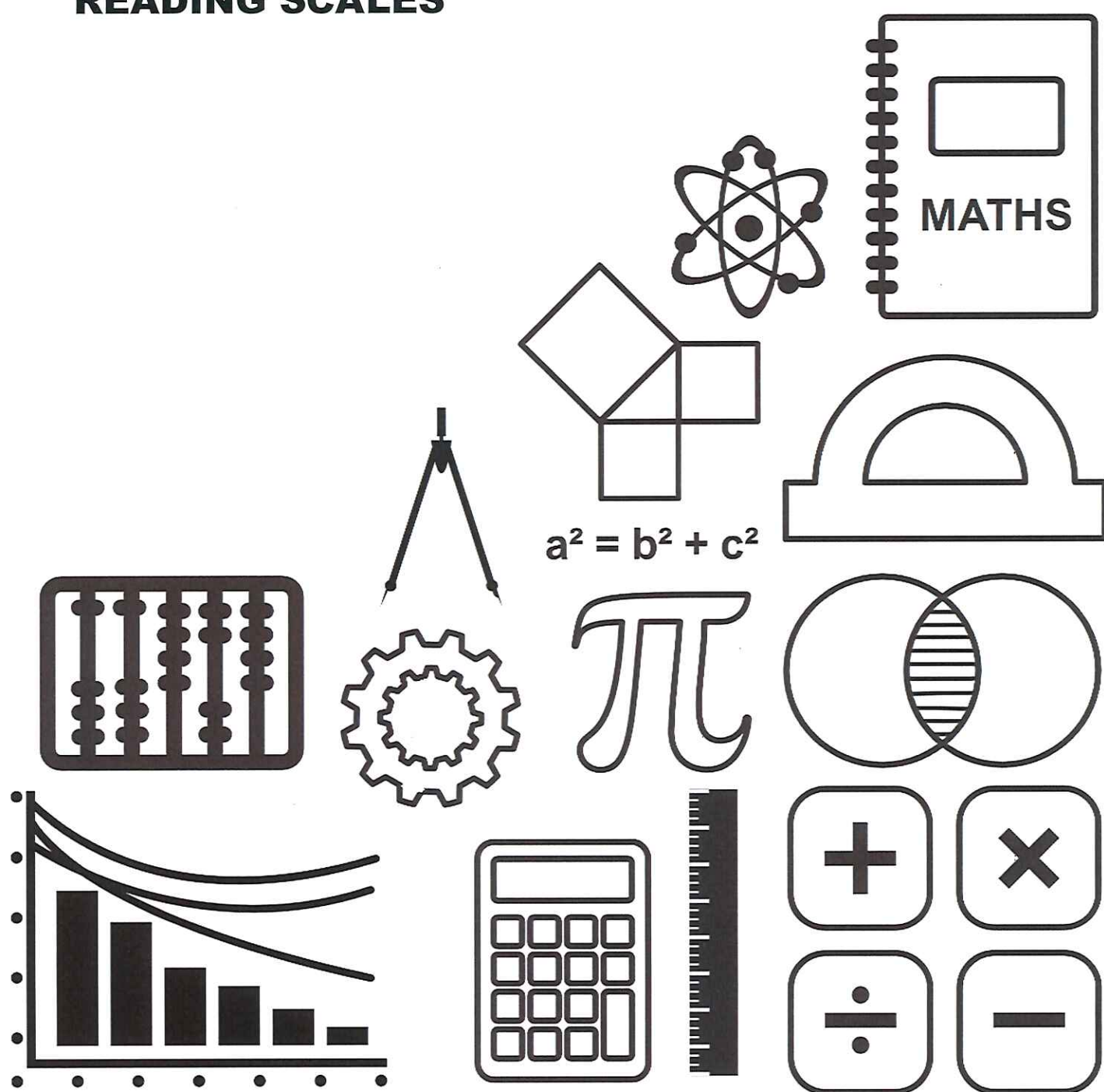


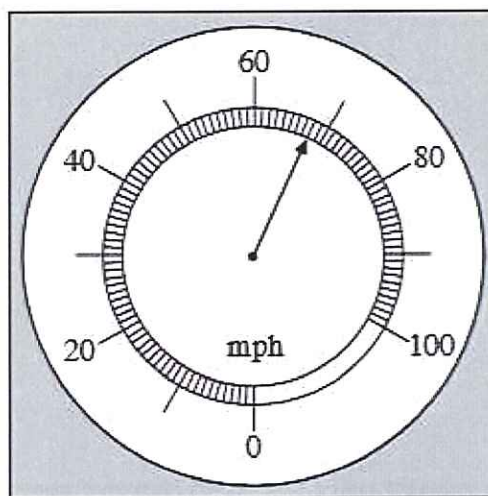
GCSE TOPIC BOOKLET READING SCALES

SOLUTIONS



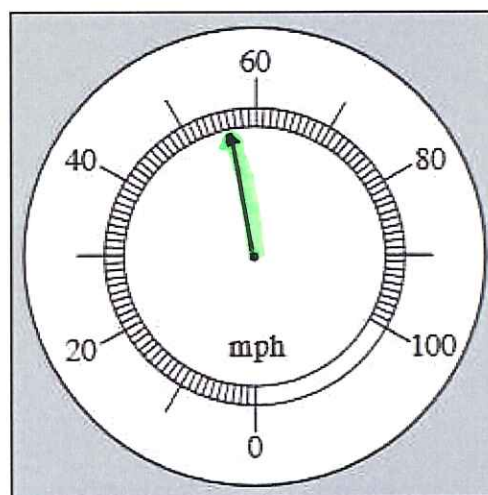
1. (a) The diagrams show a car speedometer.

(i) What speed is shown on the following diagram?



speed = 68 m.p.h.

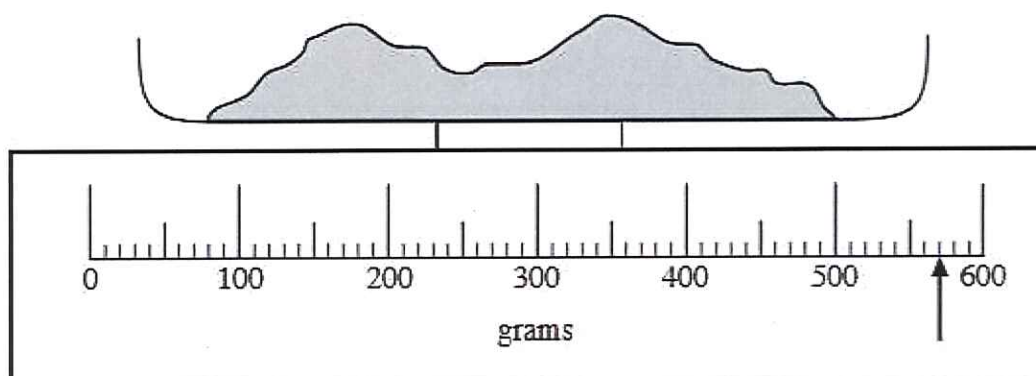
(ii) Draw a pointer on the following diagram showing a speed of 56 m.p.h.



[2]

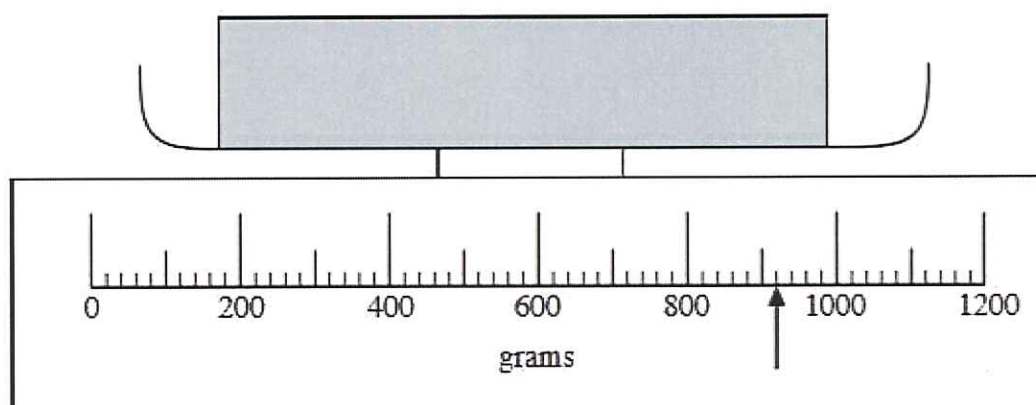
- (b) (i) A kitchen scales is used to weigh one of the ingredients for a cake.

What weight is shown on the scales?



Weight = 570 grams

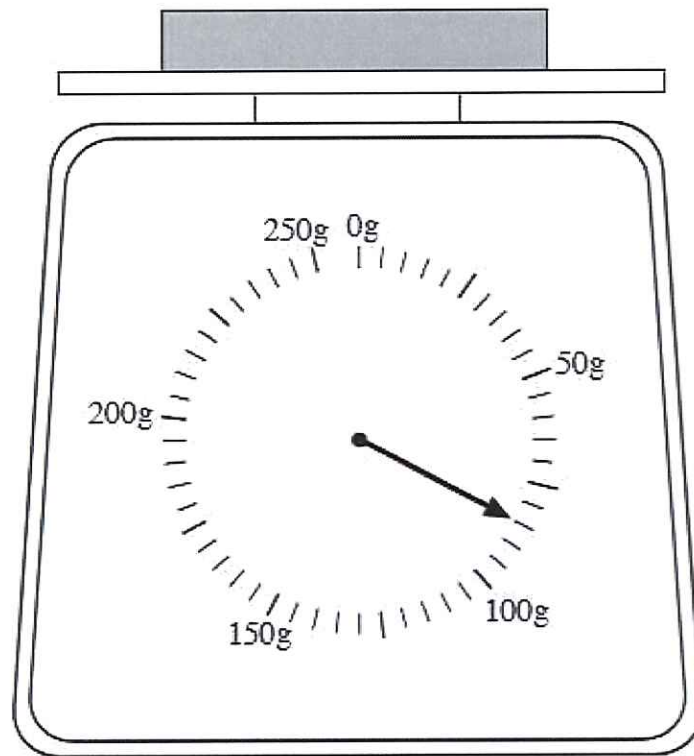
- (ii) Another kitchen scales is used to weigh another ingredient.
What weight is shown on these scales?



Weight = 920 grams

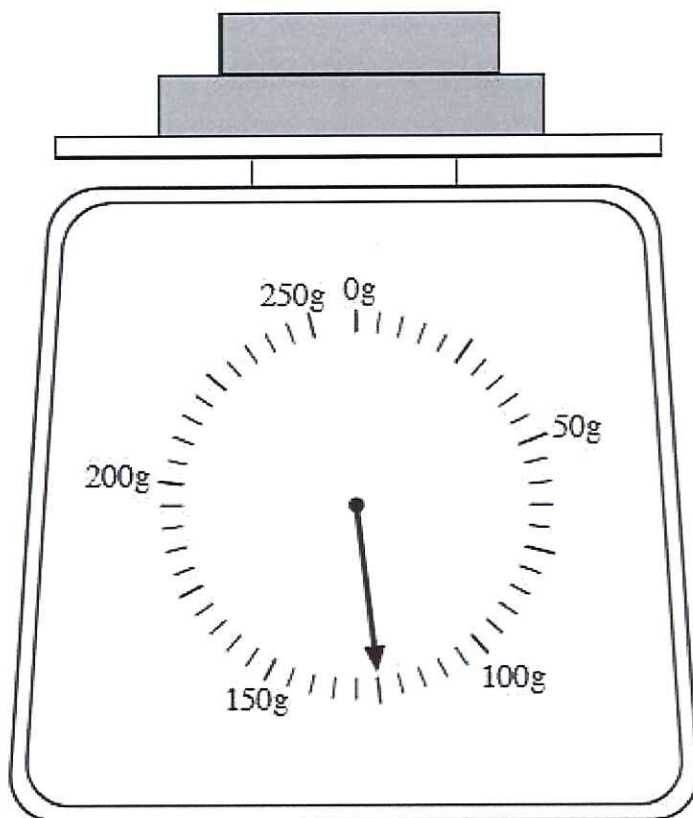
[2]

2. (i) What weight is shown on the following diagram?



85g

- (ii) An extra block is put on the scale. What is the weight of this extra block?



New total weight = 125g

Extra block weight = 125g - 85g = 40g

[3]

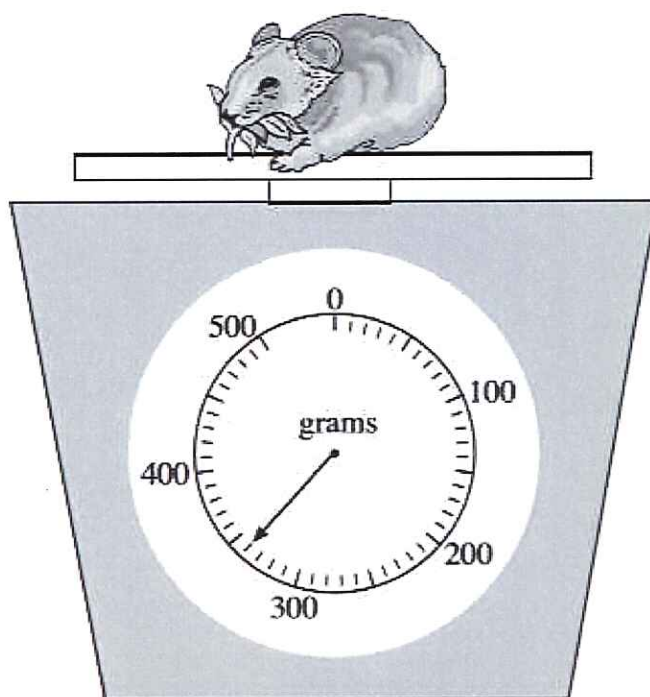
3. The diagram shows a scale with 10 and 70 marked on it. Find the values that should be shown on the scale at the points marked A, B, C and D.



A = 40
 B = 110
 C = 0
 D = -50

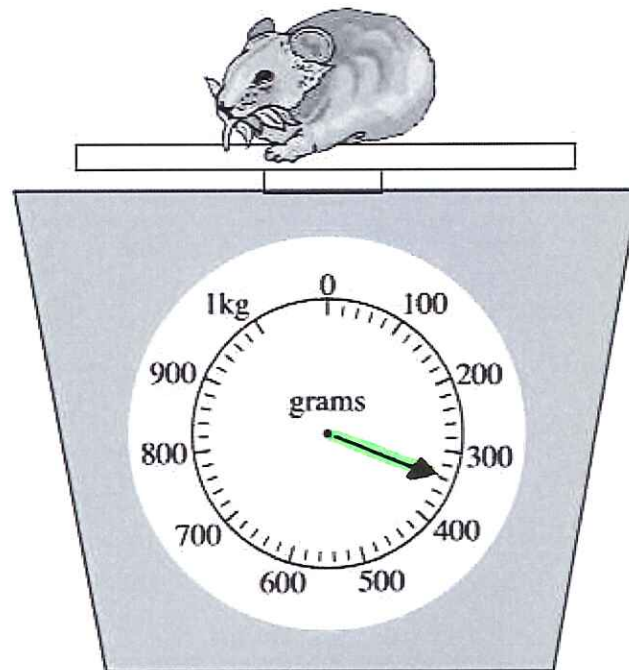
[4]

4. (a) (i) How much does Molly's pet hamster weigh?



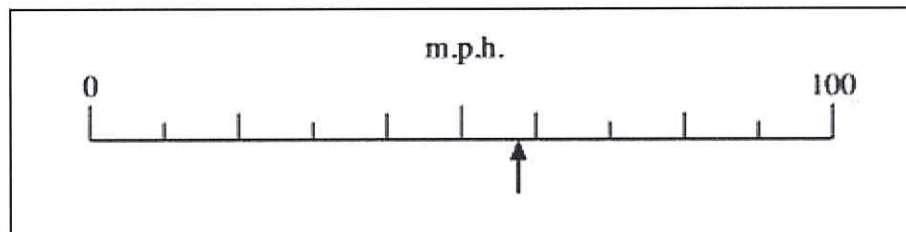
Molly's pet hamster weighs 340 g.

- (ii) She puts her hamster on a different scale.
Draw the pointer to show the hamster's weight.



[2]

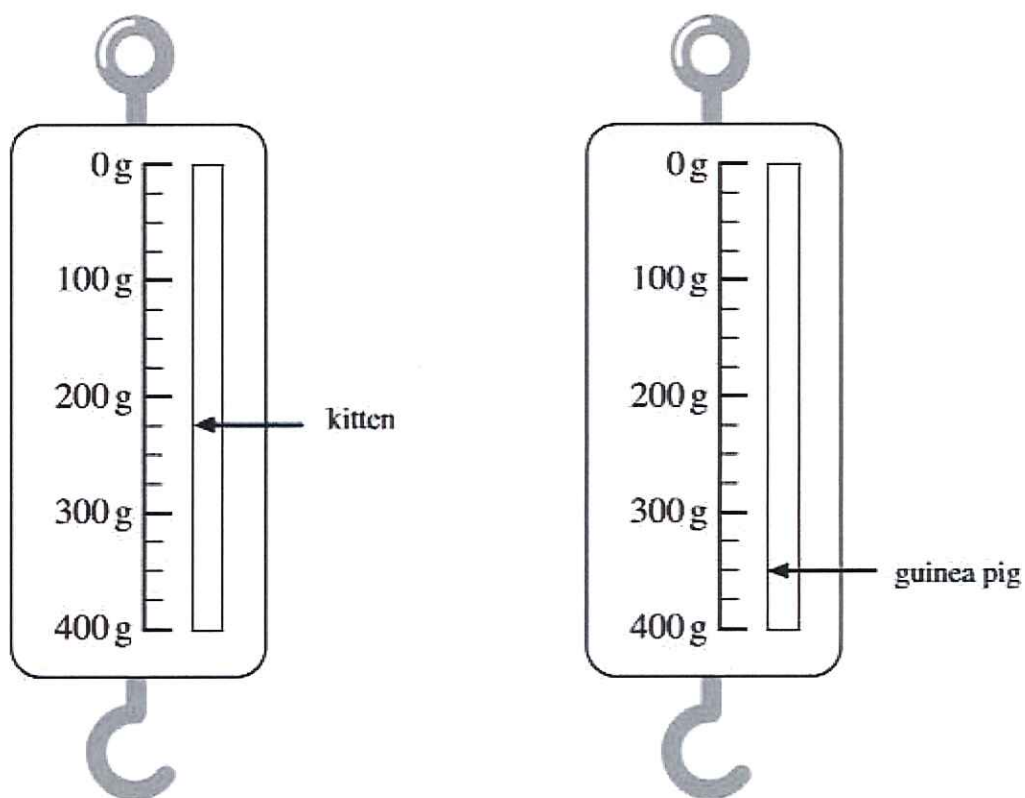
- (b) Molly goes out in her car.
What speed is she doing, correct to the nearest 10 miles per hour?



60 m.p.h.

[1]

5. Megan weighs her guinea pig and her kitten using a spring balance.



- (i) Write down the weight of her kitten.

225g

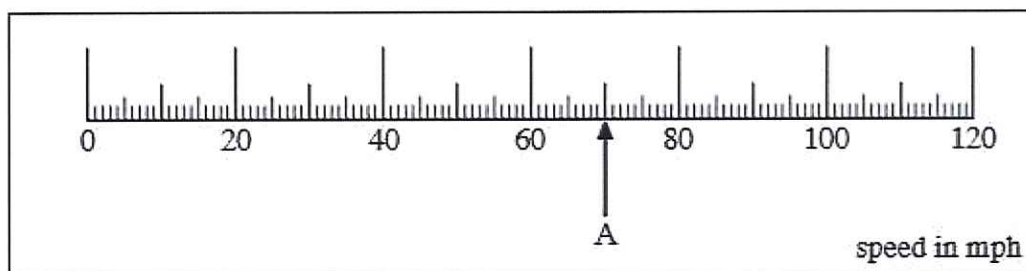
- (ii) How much heavier is the guinea pig than the kitten?

$$350g - 225g = \underline{125g \text{ heavier}}$$

[3]

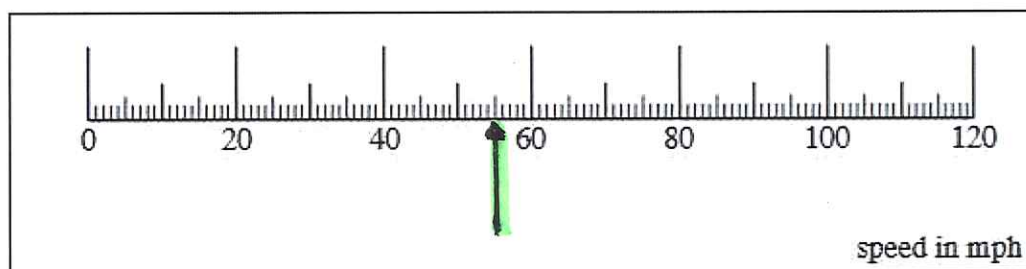
6. (a) The following scale gives the speed of a car in m.p.h.

(i) What speed is shown by the arrow A?



70 mph

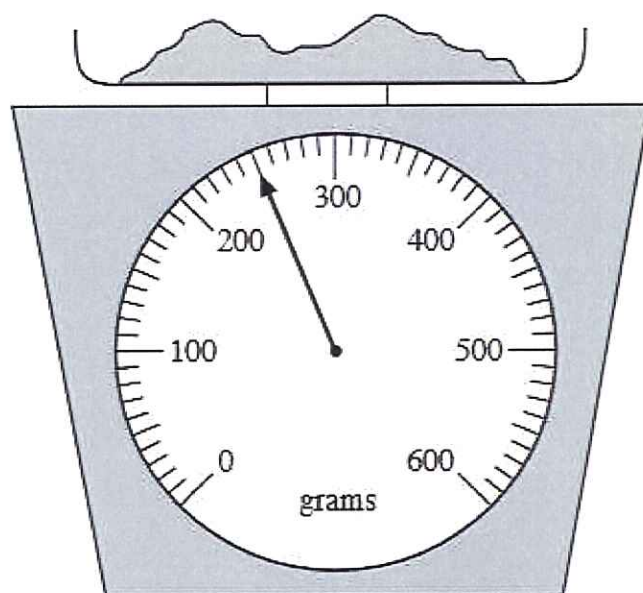
(ii) Draw an arrow to show a speed of 55 m.p.h.



[2]

(b) A kitchen scale is used to weigh flour.

(i)



Write down the weight of the flour on the scale.

250 g

(ii) More flour is added until the weight of the flour is as shown on the scale below. How much more flour has been added?

$$450 - 250 = \underline{200g}$$

[3]

