

# GCSE Maths worksheet 13

Name \_\_\_\_\_

Group \_\_\_\_\_

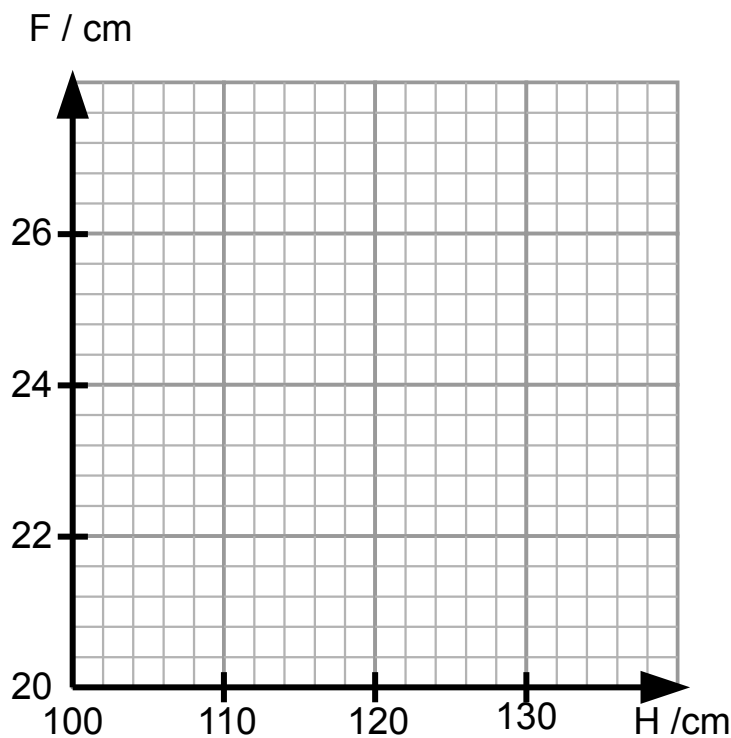
Don't use a calculator. Do all your working on this sheet. Answer all the questions.

1

Children of various ages had their heights (H) measured and measured the forearm (F). The data is shown below in the table.

H cm	104	110	110	116	128	130	130	136
F cm	22	22	23	24	25	26	27	27

a) Use the axes below to plot a scatter diagram



b) Describe the pattern

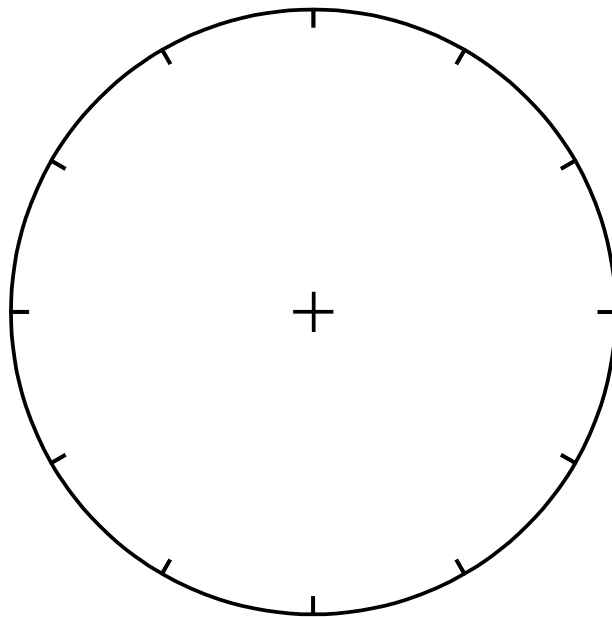
c) Use the scatter diagram to estimate the height of a child with forearm length 25cm

2

Francine keeps a record of the kinds of sandwiches she sells in the café at lunchtime. Her frequency table for yesterday is shown below...

Sandwich	Number sold
Cheese	24
Tuna	32
Salad	8
Chicken	16
Egg and cress	16
Total sold	

Draw a labelled pie chart showing Francine's data using the template below or using some blank paper.



3

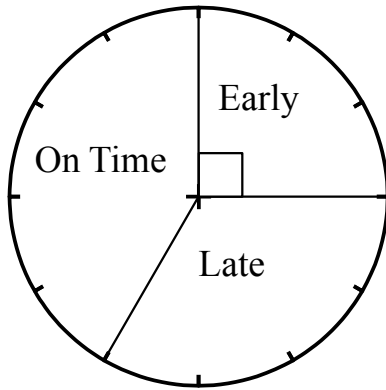
The table below shows the number of students choosing activities. Fill in the missing figures.

	Swim	Train	Run	Total
1 <sup>st</sup> Year	65			180
2 <sup>nd</sup> Year		30		
Total	110	100		300

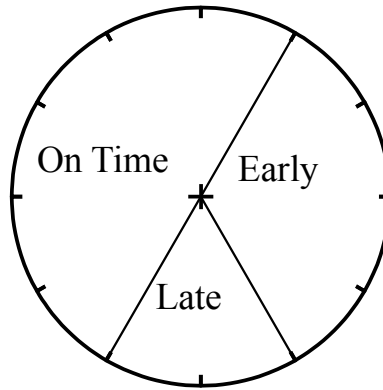
4

Algernon has prepared two pie charts to compare the punctuality of two local train companies for last week.

Argent Trains



Blackadder Trains



- a) Argent Trains had 120 early trains. How many trains were late?
- b) What fraction of Blackadder Trains were late? Give your answer in its simplest form.
- c) Algernon says:  
“Blackadder had less late trains than Argent last week”  
Is Algernon right or wrong?  
Do you have enough information to decide?  
Write a sentence explaining your answer.