

## Instructions

For each question, mark the boxes and write the answer on your answer sheet.  
Write only one number per box and mark only one digit in each column.

### Example i

What is the difference between 69 and 111?

The correct answer is 42. The answer 42 has been completed for you on the answer sheet.



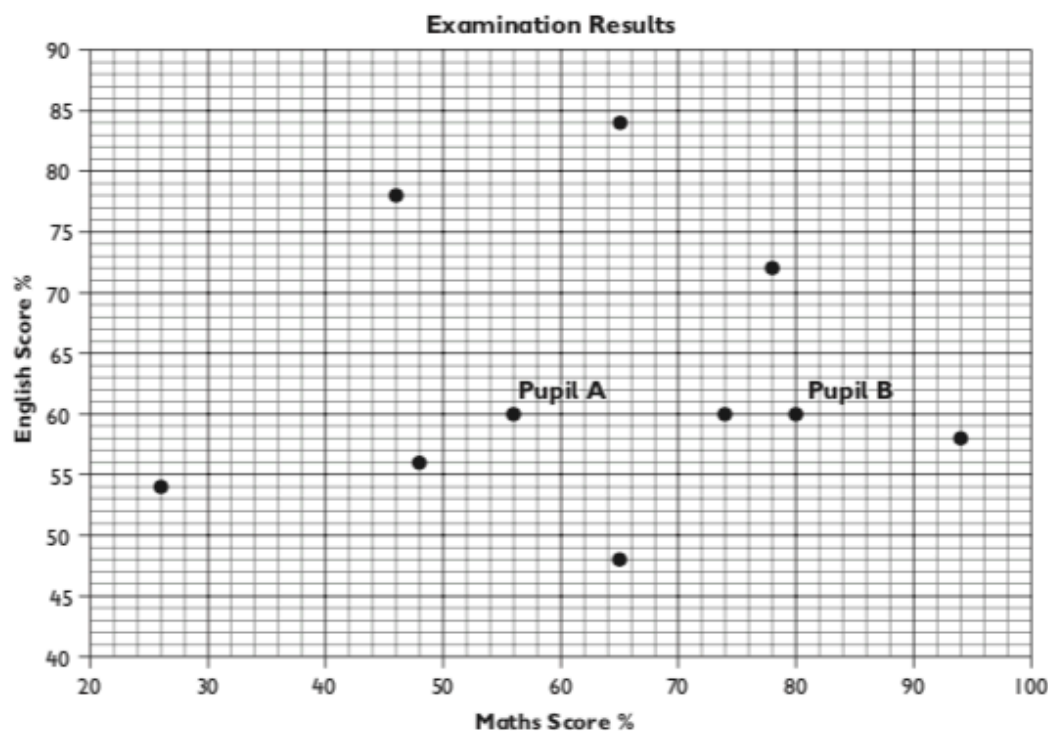
**You have 10 minutes for this section.**



## Instructions

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The graph below shows the results of ten pupil's Maths and English examinations.  
Use this graph to answer questions 1–6.



**1** How many pupils scored less than 50% in the Maths examination?

**2** How many pupils achieved a higher percentage in Maths than English?



**3** The Maths exam was out of 50 marks.

How many marks did Pupil A lose in the Maths exam?

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**4** The English exam was out of 200 marks.

How many pupils scored higher than 150 out of 200 in the English exam?

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**5** What was the range of the percentage scores in the English exam?

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**6** The pupils resat both exams. In both resits, Pupil B's new marks were a 10% increase on their original marks.

What was the average of Pupil B's percentage scores after the resits?



- 7** A pianist plays the piano for 40 minutes and then rests for 20 minutes. The pianist repeats this process from 9a.m. until 6p.m.
- For how many hours does the pianist play the piano?
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- 8** Starting at  $-100$ , Adam counts up in eights.
- What is the first positive number that Adam counts?
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- 9** Martin is facing north and rotates through  $990^\circ$ .
- Through how many degrees must Martin now turn to face north again?
- 

- 10** £100 is shared between three friends.
- One friend gets twice as much as each of the other two.
- What is the larger amount, in pounds, that is received?



**11** Six football teams enter a competition in which they all play each other once.

How many matches are played?

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**12** A map has a scale of 1:50,000.

A road on the map is measured to be 4cm long.

What is the actual length of the road in km?

