QTS Numeracy Mental Arithmetic 7 - Questions

1. In a mathematics exam three fifths of the total marks come from a written paper and two fifths of the marks from coursework. In the written paper one quarter of the marks come from a mental test. What fraction of the total marks come from the mental test?

Answer: 

2. A test has 22 questions, each worth one mark. The pass mark was eighty percent. How many questions had to be answered correctly to pass the test?

Answer: 

3. All 300 Year 11 pupils in a school took GCSE English. The number of pupils gaining grade C or above increased from 75% in the mock exam to 84% in the actual exam. How many more pupils gained grade C or above in the actual exam than in the mock exam?

Answer: 

4. A pupil entering a Year 5 class has an actual age of 9 years 11 months. The report from his previous school states that his reading age is 14 months above his actual age. What is the pupil’s reading age in years and months?

Answer: 

5. A sixth form group raises £157.50 for charity. The money will be equally divided between 3 charities. How much money will each charity receive from the group?

Answer: £ 

6. A train journey starts at oh-eight fifty-five. It lasts for seventy-five minutes. At what time does it finish?

Answer: 

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7. In a year group of 150 pupils, 30 achieved an A* grade in GCSE English. What percentage of the year group achieved an A* grade in GCSE English?

Answer: \( \% \)

8. One hundred and seventy-five pupils correctly completed a sponsored spell of twenty-five words. Each pupil was sponsored at ten pence per word. How much money did the pupils raise in total?

Answer: £

9. A teacher plans a school trip which includes a 232 kilometre coach journey in Germany. As an approximation, 8 kilometres is equal to 5 miles. Using this approximation, how long is the journey in miles?

Answer: Miles

10. In part one of an examination a pupil scored twelve marks out of twenty. In part two he scored twenty-three out of thirty marks. What was his overall score the examination? Give your answer as a percentage.

Answer: \( \% \)

11. A lesson begins at 13:45. The teacher prepares a 15 minute introduction followed by a 15 minute video clip and then a 25 minute activity. At what time does the activity end? Give your answer using the 24-hour clock.

Answer: :

12. A teacher travels from school to a training course. After the course she returns to school. The distance to the training venue is twenty-six miles and expenses are paid at forty-five pence per mile. How much will she receive?

Answer: £