

7. A transport company's vans each carry a maximum load of 12 tonnes. A firm needs to deliver 24 crates each weighing 5 tonnes.

How many van loads will be needed to do this?

- A 9 B 10 C 11 D 12 E 13

8. The numbers $\frac{1}{2}, x, y, \frac{3}{4}$ are in increasing order of size. The differences between successive numbers in this list are all the same.

What is the value of y ?

- A $\frac{3}{8}$ B $\frac{2}{3}$ C $\frac{7}{12}$ D $\frac{5}{6}$ E $\frac{5}{8}$

9. On Monday last week Dilly started to learn the Tlingit language. Every day she learnt five new words, but when she woke every morning she had forgotten two of the words learnt the day before.

When did Dilly first achieve her target of learning fourteen words?

- A Friday B Monday C Saturday D Thursday E Wednesday

10. Pinocchio's nose is 5cm long. Each time he tells a lie his nose doubles in length. After he has told nine lies, his nose will be roughly the same length as a:

- A domino B tennis racquet C snooker table D tennis court E football pitch

11. Clearing up after the party I found two pop bottles which were full, two which were one third full, two which were half full, two which were one third empty, two which were half empty, and two which were completely empty.

How many bottles did I find altogether?

- A 4 B 6 C 8 D 10 E 12

12. Gill sat the JMC last year, when the scoring system used was the same as this year's system. She answered all the questions she did correctly. The first question took her 1 second, question 2 took her 2 seconds, question 3 took her 4 seconds and so on, the time doubling for each question.

What was Gill's score?

- A 30 B 55 C 60 D 125 E 135