Instructions

- Time allowed: 20 minutes.
- There are 20 questions to try to answer in the time allowed.
- *Three* marks are awarded for every correct answer written on the response sheet. An answer is marked either correct or incorrect so no partial marks are given.
- Marks are not awarded for correct answers that have not been written on the response sheet, so make sure you write your answers on this. Units can be ignored.
- You will have to decide your team's strategy for this speed test and can organise yourselves to answer the questions however you want as quickly as possible.

1. How many minutes is half an hour plus a third of an hour plus a quarter of an hour plus 10 minutes?

2. A hare travels at 36 kilometres per hour. How many metres does it travel in 5 minutes?

3. When 52 is divided by 10, the remainder is 2. What other whole numbers can I divide 52 by to get a remainder of 2 (list all of the possibilities)?

4. What is $\frac{1}{3} + \frac{1}{12} + \frac{1}{24}$ in its lowest form?

5. What is the value of $1000 - 9 + 100 - 99 + 10 - 999$?

6. I have 5 different types of cone, 5 different types of scoop flavour and 5 different types of sauce. Ice creams are sold with one type of each of the cones, scoop flavours and sauces. How many different ice creams are possible?

7. One angle of an isosceles triangle is 38 degrees. The triangle has one obtuse interior angle. What is the difference between the smallest and largest interior angles of the triangle?

8. What is $\frac{1}{4}$ of $\frac{4}{5}$ of 25?

9. Three children have shared out some sweets. The youngest child had half the number of sweets of the middle child and a third of the number of sweets of the oldest child. If the middle child got 12 sweets, how many sweets were there in total?

10. What is $98 - 76 + 54 - 32 + 10$?

11. Two standard six-sided dice are rolled and the number of pips on the two faces landing upwards are added together. This value is tripled and recorded. How many of the different numbers that could be recorded are even?

12. What is the sum of all the factors of 100?

13. The mean age of 5 children is 4 years old. The difference between the youngest and the eldest child's age is 4 years. The most common age is 4 years. What are the ages of the 5 children?

14. What is the result of dividing the number of seconds in 1 hour by the number of edges of two triangles and a hexagon?

15. What is 10 percent of 10 percent of 600?

16. Three coordinates of a rectangle are (1, 5), (1, 12) and (3, 12). What is the fourth coordinate?

17. Robert writes down in order the positive whole numbers which are not multiples of 2 and not multiples of 3. The first seven numbers he writes down are 1, 5, 7, 11, 13, 17, 19. Which number will Robert write down next?

18. What is $(9 - 8) + (7 - 6) \times 5 + (4 + 3) \times 2 - 1$.

19. 12.5 percent of a given number is 15. What is 100 percent of that number?

20. Ava adds up the positive whole numbers in order until her total is above 100, when she stops. So her first three totals are $1 + 2 = 3$, $1 + 2 + 3 = 6$ and $1 + 2 + 3 + 4 = 10$. What is the total when she stops?

Speed test response sheet

Primary Team Maths Resources 2016

Team number

School name

1 0 3	**6** 0 3	**11** 0 3	**16** 0 3
2 0 3	**7** 0 3	**12** 0 3	**17** 0 3
3 0 3	**8** 0 3	**13** 0 3	**18** 0 3
4 0 3	**9** 0 3	**14** 0 3	**19** 0 3
5 0 3	**10** 0 3	**15** 0 3	**20** 0 3

Award 3 marks for a correct answer.
Circle the mark awarded for each question and cross out the other.

Final score /60