

Ten Minute Test – Maths 1

1. A theatre performance lasts 153 minutes, including a 15-minute interval. The performance time before and after the interval is the same. How long is each part of the performance?
 - a. 1 hour and 38 minutes
 - b. 1 hour and 9 minutes
 - c. 2 hours and 33 minutes
 - d. 2 hour and 18 minutes
 - e. 1 hour and 53 minutes

2. Henry thinks of a number. He squares it, then adds 12 before subtracting 11. The result is 50. What number was Henry thinking of?
 - a. 3
 - b. 5
 - c. 7
 - d. 9
 - e. 11

3. A rectangular garden is 9m long and has an area of 63m^2 . What is the perimeter of the garden?
 - a. 7m
 - b. 18m
 - c. 32m
 - d. 45m
 - e. 28m

4. St Martin's School has 400 students. Of these, 20% travel to school by train. Of the remaining students, 40% travel by bus. All the other students walk to school. How many students walk to school?
 - a. 192
 - b. 160
 - c. 204
 - d. 124
 - e. 180

5. Solve $204 - 30 \times 2 + 5$
- a. 348
 - b. 353
 - c. 149
 - d. 189
 - e. 307
6. George drives 32 miles home in 40 minutes. What is his average speed for the journey, in miles per hour (mph)?
- a. 52 miles per hour
 - b. 50 miles per hour
 - c. 48 miles per hour
 - d. 46 miles per hour
 - e. 44 miles per hour
7. Mia is measuring the interior angles of a trapezium. She finds that angles a, b and c have a total of 281° . What is the size of angle d?
- a. 90°
 - b. 19°
 - c. 39°
 - d. 59°
 - e. 79°
8. A theme park offers a discounted family ticket for £124. Individual tickets cost £48 per adult and £25 per child. How much would a family of two adults and two children save by buying the family ticket?
- a. £18
 - b. £20
 - c. £22
 - d. £24
 - e. £26

9. At a concert, 800 seated tickets and 250 standing tickets are issued. Of the seated tickets, 10% are free guest tickets. Of the standing tickets, 20% are free guest tickets. All other seated tickets cost £10 each and all other standing tickets cost £20 each. How much money is made from ticket sales?
- a. £7600
 - b. £8400
 - c. £9200
 - d. £10,800
 - e. £11,200
10. A single first-class stamp costs 73p. A book of 6 first-class stamps costs £3.84. How much is saved per stamp by buying a book of 6?
- a. 9 pence
 - b. 7 pence
 - c. 13 pence
 - d. 10 pence
 - e. 21 pence

Once you have finished the test, watch the solutions video to check your answers and learn from any mistakes.