

Ten Minute Test – Maths 9

1. Florence is completing an art project. She has a strip of fabric that is 1 metre long and cuts it into pieces measuring exactly 3.5 cm each.
After cutting off 22 pieces, she has enough for her project.

How much fabric is left over?

- a. 13cm
 - b. 20cm
 - c. 22cm
 - d. 23cm
 - e. 27cm
2. The Johnson family are travelling to the seaside, which is 140 miles away. They leave home at 4:12 p.m. and travel at an average speed of 40 mph.

Assuming they travel continuously at the same speed, at what time will they arrive?

- a. 7:12pm
 - b. 7:22pm
 - c. 7:32pm
 - d. 7:42pm
 - e. 7:52pm
3. Annie is thinking of a prime number. She squares it.

Which of the following **cannot** be the result?

- a. 25
- b. 49
- c. 81
- d. 121
- e. 169

4. Chris needs to buy enough flour to bake cakes for 12 people. He knows that 300g of flour is enough to make cakes for 5 people.
Flour is sold in 250g bags costing 59p each.

How much will Chris need to spend to buy enough flour for 12 people?

- a. 59p
 - b. 86p
 - c. £1.18
 - d. £1.45
 - e. £1.77
5. The mean amount spent by Damien, Layla and Mia while shopping is £80. Damien spends £130 and Layla spends £65.

What is the difference between the amount Layla spends and the amount Mia spends?

- a. £65
 - b. £50
 - c. £35
 - d. £20
 - e. £10
6. A bakery opens at 7:30 a.m. and closes at 2:00 p.m. every day except Sunday, when it is closed all day.

How many hours is the bakery open in a full week?

- a. 35 hours
- b. 36 hours
- c. 37 hours
- d. 38 hours
- e. 39 hours

7. Emma buys a bottle of water, a sandwich and a DVD. The water costs one-third of the price of the sandwich, and the sandwich costs one-third of the price of the DVD.

Altogether, the three items cost £26. How much does the DVD cost?

- a. £12
- b. £15
- c. £16
- d. £18
- e. £20

8. The Dalton family visit a restaurant. Mum, Dad and their two children each order the same meal. All four meals cost the same amount and come to £140 altogether.

The family uses a 10% discount voucher, but the discount can only be applied to one meal.

What is the new total cost?

- a. £126
- b. £129.50
- c. £136.50
- d. £137
- e. £138.50

9. If a rectangle has a perimeter of 62 cm and a width of 10 cm.

What is the area of the rectangle?

- a. 150cm^2
- b. 180m^2
- c. 210cm^2
- d. 240cm^2
- e. 270cm^2

10. A survey finds that people prefer apples, grapes and bananas in the ratio 3 : 5 : 8.

If 30 people chose grapes, how many people took part in the survey altogether?

- a. 78
- b. 84
- c. 90
- d. 96
- e. 100

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