

Ten Minute Test – Maths 5

1. The Smith family are moving house and have packed all of their belongings into 31 boxes. They hire a delivery company that charges £5 per mile travelled, plus £3 for each box transported.

The new house is 16 miles away.

What is the total cost of the delivery service?

- a. £93
 - b. £111
 - c. £248
 - d. £173
 - e. £155
2. Derry the dog eats 1.4 kg of dog food each week. Her food is divided equally between two meals each day.

How much dog food does Derry eat at each meal?

- a. 50g
 - b. 70g
 - c. 100g
 - d. 140g
 - e. 200g
3. Dahlia walks 2 miles in 40 minutes.

If she continues walking at the same pace, how many miles will Dahlia walk in 3 and a half hours?

- a. 10 miles
- b. 8.5 miles
- c. 9 miles
- d. 9.5 miles
- e. 10.5 miles

4. Daniel has a recipe that uses 560g of ingredients to serve 5 people.

How many grams of ingredients would he need to serve 2 people?

- a. 1.2kg
 - b. 286g
 - c. 360g
 - d. 304g
 - e. 224g
5. Elizabeth orders a pair of boots costing £77. She pays an additional £8.50 for next-day delivery. As a loyal customer, she receives 10% off the price of the boots, but the discount does not apply to the delivery charge.

How much does she pay altogether?

- a. £77.80
 - b. £78.30
 - c. £85.50
 - d. £69.30
 - e. £67.50
6. Sarah runs a card-making business. Each card costs her 27p to make, and she sells each one for £1.80. During August, Sarah sells 100 cards.

How much profit does she make?

- a. £180
- b. £153
- c. £127
- d. £57
- e. £27

7. Following a refurbishment at Parkwood School, the headteacher announced that the school could now accommodate 20% more pupils. The school can now accommodate 504 pupils.

How many pupils could the school accommodate before the refurbishment?

- a. 400
- b. 420
- c. 484
- d. 604
- e. 380

8. A regular pentagon has a perimeter of 185cm.

What is the size of one of its sides?

- a. 35cm
- b. 37cm
- c. 30.5cm
- d. 29cm
- e. 34cm

9. A pizza restaurant can usually make 30 pizzas per hour. Due to staff shortages, the number of pizzas it can make decreases by 30%.

How many pizzas can the restaurant make between 2 p.m. and 10 p.m. while it is short-staffed?

- a. 72
- b. 144
- c. 168
- d. 192
- e. 240

10. What number comes next in the sequence? 9, 25, 73, 217, ?

- a. 649
- b. 647
- c. 640
- d. 638
- e. 633

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