



TRINITY

TRINITY SCHOOL CROYDON

ENTRANCE EXAMINATION PRACTICE QUESTIONS 10+

MATHEMATICS

When completing your exam, you should:

- Try all the questions.
- Show your working in the space provided. Do not rub out any working unless you wish to change it.
- Write your answers on the answer line provided.
- Do not write in any margins.

Calculators are NOT allowed.



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1. Brijesh buys three bottles of water at 85p each and seven bars of chocolate at 64p each. How much does he spend altogether? Give your answer in £'s.

Answer: £.....

(3 marks)

2. a) How many full 140 ml glasses of water can be poured from a full 2000 ml bottle?

Answer:glasses

- b) How many ml are left in the bottle?

Answer:ml

(3 marks)

3. a) My train left Paddington station at seven minutes before 3 o'clock in the afternoon. Write this time in the 24 hour clock.

Answer:



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b) On another day I caught the 12:47 pm train and the journey lasted one hour and forty-four minutes. At what time did I arrive at my destination?

Answer:

(3 marks)

4. Mike thinks of a number. He subtracts fifteen and then divides by three. His answer is thirteen. What is the number that Mike first thought of?

Answer:

(2 marks)

5. A car travels at an average of 40 km per hour. How long would it take to travel 15 km? Give your answer in **minutes**.

Answer:

(2 marks)



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6.

Aberdeen								
513	Bristol							
473	171	Cambridge						
595	206	124	Dover					
587	83	250	244	Exeter				
482	54	153	224	128	Hereford			
279	236	252	355	310	204	Kendal		
328	219	147	272	294	188	72	Leeds	
388	185	94	219	259	153	177	142	Lincoln

Distances in kilometres.

This table shows the distance between some British towns. It shows that the distance between Bristol and Kendal is 236 kilometres.

a) How far is it from Dover to Kendal?

.....

b) Using the information from the table, which town is the closest town to Bristol?

.....

c) How much further from Exeter is Leeds compared to Lincoln?

.....

(6 marks)

7. Fill in the missing numbers:

a) $8 \times 80 = 16 \times \dots\dots\dots$

b) $60 \times \dots\dots\dots = 2400$

c) $\dots\dots\dots \div 1000 = 60$

d) $275 \div \dots\dots\dots = 2.75$

(4 marks)



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8. Given that $6384 \times 12 = 76608$, what is the answer to $76608 \div 120$?

.....
(2 marks)

9. Will is double the age of Bob and eight years older than Suzanne. If Suzanne is twenty years old, how much older than Bob is Suzanne?

.....
(3 marks)

10. It has just turned 22:22. How many minutes are there until midnight?

.....
(2 marks)

11. I am on the top of a helter-skelter facing east. The chute will turn me anti-clockwise through 630° . In which direction will I be facing at the bottom?

.....
(2 marks)

12. The mean (average) of ten numbers is 35. I subtract 5 from 8 of the numbers. What is the mean of the ten numbers now?

.....
(2 marks)



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13. The four angles inside a quadrilateral always add to 360° . The two largest angles are equal and the two smallest angles are equal. The larger angles are five times the size of the smaller angles. Find the size of the larger angles.

.....
(3 marks)

14. Peter is making some orange squash. The directions on the bottle say that he should use three parts water to one part concentrate.

a) One day, he has 90cl of water, how much squash can he make if he follows the instructions?

.....
(3 marks)

b) The next day he followed the instructions again and made 280cl of squash. How much water did he use this time?

.....
(3 marks)



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15. Amy, Ben, Cleo, Dipesh and Emil each has a tin of biscuits. There are 60 biscuits in each tin. Amy eats 60% of a tin, Ben eats 48 biscuits, Cleo eats half a tin, Dipesh eats $\frac{5}{6}$ of a tin, and Emil eats 0.75 of a tin. Who eats the most biscuits and by how many?

.....
(3 marks)

16. Lorna Mower mows 4 small fields in 1 hour and 5 large fields in 1 hour 40 minutes. How much longer does it take her to mow 7 large fields than 7 small fields?

.....
(4 marks)

END OF TEST



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Answers:

1. £7.03
2. a) 14 b) 40
3. a) 14:53 b) 2.31pm
4. 54
5. 22.5
6. a) 355km b) Hereford c) 35 km
7. a) 40 b) 40 c) 60000 d) 100
8. 638.4
9. 6
- 10.98
11. South
- 12.31
- 13.150
- 14.a) 120 cl b) 210 cl
15. Dipesh, by 2
- 16.35 minutes