



11 Plus

Paper [7]

Maths - Non Calculator

Total marks: [40]

Time allowed: 60 minutes

You have 1 hour.

There are 40 marks available. Try to answer all the questions. Remember to show your working out.

Each question is worth one mark unless otherwise stated.

No calculators are allowed.

Full name _____

Questions

1. What is the 3 in this number worth?

13567

2. Write this number in words:

246 800

3. How many tens are there in 960?

4. Put these numbers in order from smallest to largest:

1.09

0.62

1.009

0.99

1.12

5. My machine multiplies by six and then subtracts three.

Which number will I get if I put in:

a. 5

b. 60

c. 102

Which number did I put in if I get out:

d. 33

e. 117

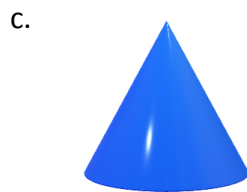
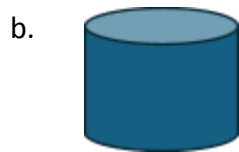
f. 597

6. There are 13 rolls in a baker's dozen. How many rolls are there in six dozen?

7. Mike has a twenty pound note and two pound coins. He spends £12.57. How much does he have left?

8. Give the names of three different types of triangles (3 marks)

9. What are the names of these 3D shapes?



10. How many millilitres are there in 0.7 litres?



11. Here is a train timetable. Answer the questions that follow (5 marks)

North Town	0757	0817	0837	0857
South Town	0815	---	0855	---
West Town	0846	---	0926	---
East Town	0859	0846	0939	0926

- How long does it take for the 0757 train from North Town to get to West Town?
- Khushnum needs to be at work in West Town by 0900. What is the latest train she can catch from South Town?
- Mark arrives at North Town at 0820. When is the next train to South Town?
- How long does the 0857 train from North Town take to get to East Town?
- Ivy needs to be at school in South Town by 0900. Which is the latest train she can catch from North Town?

12. In Riga the average temperature is -9° in November. In Newcastle it is 4° . What is the difference between the temperatures?

13. What fraction of 3 hours is 20 minutes?



This shape is made from a square and an equilateral triangle. What is the size of the angle marked y ?

15. Ms Halaad is training for a marathon. She runs 10km every day beginning with a T and 18km every day beginning with an S. How far does she run each week?

16. Express this fraction in its simplest form:

12/108

17. What is 0.6 as a percentage?

18. Henry is going on a trip. He packs his small suitcase with clothes, toiletries and two books. Which of the following is likely to be the weight of his suitcase?

15kg 300g 85kg 2kg

19. What is the square root of 121?

20. What is the perimeter of a square with area 64cm^2 ?

21. A restaurant wrote down how many people ordered two of their pizzas on four days last week. Some of the information is missing.

Complete this table (7 marks):

Pizza	Monday	Tuesday	Saturday	Sunday	Total
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Cheese and tomato	12	8		18	56
Ham and pineapple		16			
Total	36		67		145

22. Ben earns £7.50 an hour working at a café.

a. If Ben works for eight hours on Saturday and 5 hours on Sunday, how much will he earn?

b. Ben wants to buy a new games console for £255. How many hours will he need to work in total to be able to afford it?



Answers

1. 3000
2. Two hundred and forty-six thousand eight hundred.
3. 96
4. 0.62, 0.99, 1.009, 1.09, 1.12
5. a. 27 b. 357 c. 609 d. 6 e. 20 f. 600
6. 78
7. £9.43
8. Any three from: equilateral, right-angled, scalene, isosceles
9. a. cuboid b. cylinder c. cone
10. 700ml
11. a. 49 mins b. 0815 c. 0837 d. 29 mins e. 0837
12. 13°
13. $1/9$
14. 210°
15. 56km
16. $1/9$
17. 60%
18. 15kg
19. 11
20. 32cm
- 21.

Pizza	Monday	Tuesday	Saturday	Sunday	Total
Cheese and tomato	12	8	18	18	56
Ham and pineapple	24	16	49	30	119
Total	36	24	67	18	175

22. a. £97.50 b. 34 hours