

Dynamite Educational Publishers Ltd
Mathematics Standard Format
Sample Paper

1. Do not open or turn over this page until you have been instructed to do so.
2. You have 25 minutes to complete this test of 25 questions.
3. Work as quickly and carefully as you can.
4. When you have finished a page, go straight onto the next page.
5. If you cannot answer a question go on to the next question.
6. When you have completed this practice paper go back to any questions you have missed out first then check all your answers.
7. Calculators and protractors are not permitted in this test.

1. What is twenty six thousand and twenty six in figure?

_____

2. What is 7:24pm on a 24-hour clock?

_____

3. What is the following number to 2 decimal places? 37.76948278

_____

4. Which is the smallest fraction?

$\frac{4}{9}$ $\frac{1}{3}$ $\frac{4}{6}$ $\frac{4}{18}$ $\frac{1}{2}$

_____

5. What is the area of a triangle if its base measures 9m and its height measures 18m?

_____

6. Charlotte went to the shops the other day and bought 3 packets of crisps that cost 58p each and 2 packets of sweets that cost 73p each. How much change did she get from £5?

_____

7. In a shop there is a sale with 30% off all items. Christopher finds a toy that originally cost £56. How much does it cost now?

_____

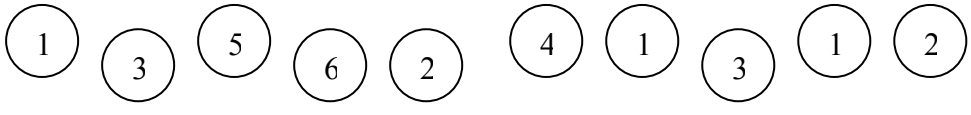
8. If two of the angles in a triangle are marked as 37° and 59°. What is the missing angle?

_____

9. In a car park the ratio of cars : lorries is 8:3. If there are 27 lorries, how many vehicles are there altogether?

_____

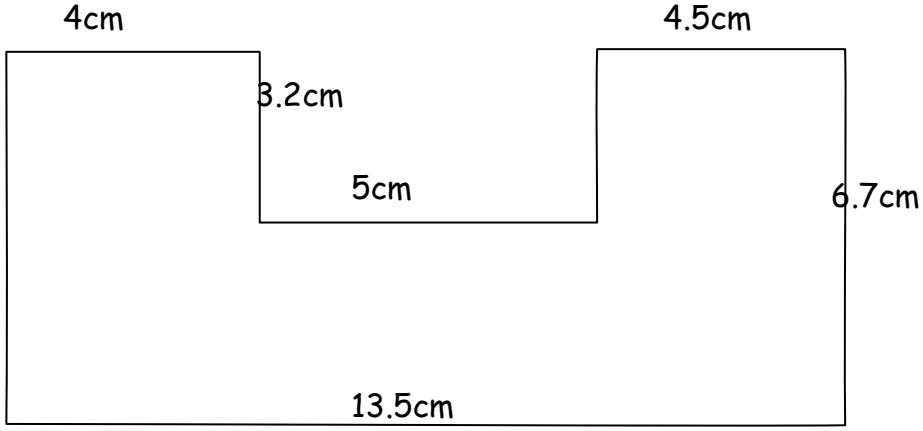
10. In a black bag there are ten balls, which are numbered in the following way. What is the probability of pulling out a ball with the number 3 on it?



_____

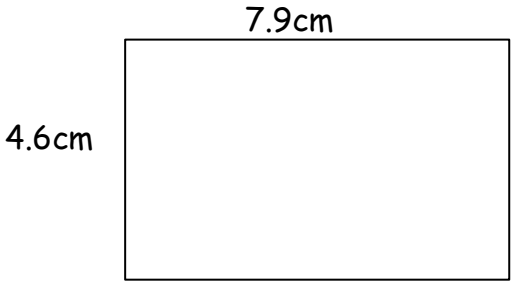
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11. What is the perimeter of the shape below?



_____

12. What is the area of the shape below?



_____

13. Which number is the smallest?

0.2 **0.79** **1.02** **4.003** **0.050**

_____

14. How many faces does a prism have?

_____

15. Which of these angles is obtuse?

47° 89° 162° 189° 261°

_____

16. In a school of 196 pupils 3/7 have black eyes, 1/7 have green eyes and the rest have blue eyes. How many pupils have blue eyes in the school?

_____

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17. Work out the answer to the following fraction calculation.

$$\frac{7}{9} - \frac{4}{18} = ___$$

_____

18. If B = 7 and C = 8. What does A equal?

A = 3B + 4C

_____

19. Sandeep went running the other day. He started running at 15:37 and ran for 1hr 29mins. What time did he get back at?

_____

20. Pauline is allowed to play on her computer for 37 minutes every day for a week. How long does she spend on the computer in this week?

_____

21. Caroline was Z years old 9 years ago. What is the expression to show how old is she now?

_____

22. Nicola goes horse riding two times a week and it cost Z pounds each time. She also goes dancing three times a week and it costs Y pounds each time. What is the expression for the total cost each week?

_____

23. What is the sum of the following numbers? 38762 and 496.38

_____

24. What is the mean of the following numbers?

17 6 9 12 37 9

_____

25. Terry has 396 cd's. He wants to put them in stands. The cd stands he likes hold 24cd's. How many does he need to buy to ensure every cd is in a stand?

_____

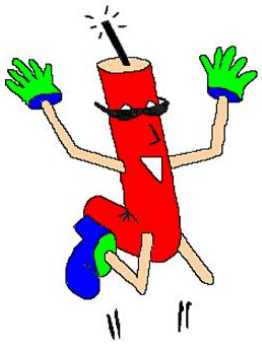
END OF TEST PAPER

If you have time please check your answers.

Remember checking means redo the question.

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Dynamite Educational Publishers
Mathematics Standard Format Sample Paper
(Marking Scheme)



1. 26026
2. 19:24
3. 37.77
4. 4/18
5. 81m^2
6. £1.80
7. £39.20
8. 84°
9. 99
10. 1/5
11. 46.8cm
12. 36.34cm^2
13. 0.050
14. 5 faces
15. 162°
16. 112
17. 5/9
18. 53
19. 17:06
20. 4hr 19mins
21. Z + 9
22. 2Z + 3Y
23. 39258.38
24. 15
25. 17 stands

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