Maths Coaching Centres (MCC)

Paper class specialist

Maths Paper class Year 4 -Sample Paper

Student Name : …………………………………………...

Start time : …………………………….   Finish time : …………………………

Paper Analysis

Student's score : ………………. out of 50   Percentage : ………………%

Student's Rank : ………….. out of………..   High score : ………………..%

Student's Standardised score: ……………   Average score : ………………%

Standardised Score: It is very important to understand that the standardised score is a one of the best indicators of a child's performance. A standardised score of **100** on this exam indicates an average performance.

Questions 1 to 5 choose a correct answer.

1. **Work out the sum of 1892 and 6542**

   a) 8434   b)8333   c)7544   d)8644

2. **Reduce 1689 from 2987**

   a) 1008   b)1198   c)1298   d)1292

3. **Work out : 13.5 x 4.9 =**

   a) 6615   b) 66.15   c) 6.615   d)661.5

4. **Divide 4104 by 9**

   a) 125   b)122   c)110   d)105

5. **Work out : 0.127 + 0.567 =**

   a) 0.684   b)0.854   c)1.694   d)0.694

6. **Write the number four hundred and thirty eight thousand and fifty three in figures. …………………….....................................**

7. **Write the number 321952 in words.**

   …………………………………………………………………………………………….

8. **Round off 9.83 to the nearest whole number?**

   ………………………………………………………….

9. **What would be the approximate cost of 15 films at £9.98 each (to nearest £)?**

   ………………………………………………………..

10. **Write all the factors of 72?**

    …………………………………………………………….

11. What is the Highest Common Factor (HCF) of 108 and 24?

   …………………………………………………………..

12. Write these number in roman numerals

   a) 147 – …………………………………………

   b) 353- …………………………………………

   c) 629 - …………………………………………..

13. There are 210 children in year 4. Two seventh of them come to school by train. How many children come to school a different way?

   …………………………………………………………

14. Fill in the next three terms of the following sequences:

   a) 32, 16, 8, 4, …….. , …….. , …….

   b) 2, 3, 5, 7, 11, ……. , …….. , ……..

15. Fill in the missing value.

   0.8 + 0.08 + 0.008 = 0.7 + ……………… + 0.007

16. Convert following vales in to given units.

   a) 115 cm = ……….. m

   b) 1.25 m = …………cm =……………mm

   c) 2.5 km = ……………..m = ………………cm

17. Write the following decimals as fractions in their simplest form

   a) 0.4 = ……………………

   b) 0.056 = ……………………

   c) 1.25 = …………………

18. Arrange the following fractions in order from smallest to largest:

$$\frac{1}{5} \ , \ \frac{1}{6} \ , \ \frac{2}{3} \ , \ \frac{1}{4}$$

   …………………………………………………………..

19. What is the difference in temperature between

    a) 14°c and –1°c ? …………………..

    b) –6°c and +12°c ?.....................................

20. Which number when multiplied by 30 is the same as 21 × 20?

……………………………………………………………………

21. What is 15% of £ 120?

…………………………………………………..

22. On this scale, the arrow (↑) shows the weight of a pumpkin. What is the weight of the pumpkin?

…………………………………………………………
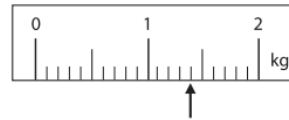
23. Write the following time in 24 hours format

    a) 10:15 am = ……………………..

    b) 01:55 pm = ……………………..

    c) 08:05 pm = ……………………..

24. Draw the reflection shape

mirror line
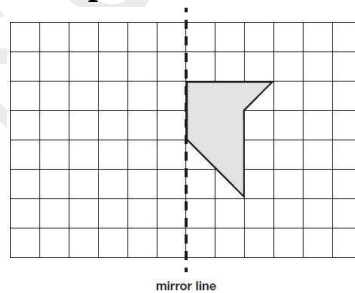
25. Calculate the perimeter of the following shape?

……………………………………………….
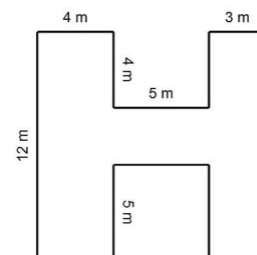
26. Calculate the area of the following shape?

……………………………………………

7 mm
3 mm
6 mm
12 mm
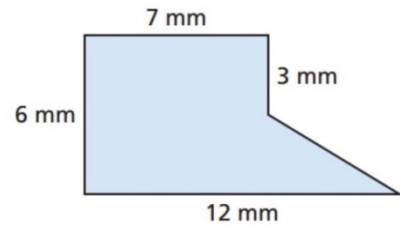
27. A factorial (which has a symbol !) can be defined as follows:
$4! = 4 \times 3 \times 2 \times 1 = 24$
$5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$
Work out the value following:

a) $7!$ …………………………………..

b) $8!$ ....

28. Potter bought two sandwiches and a coffee for £10 and Harry bought a sandwich and a coffee for £5.75. How much a sandwich and a coffee cost?

a) Cost of a sandwich -£……………

b) Cost of a Coffee - £………………..

29. If 100 tickets were sold at the cinema to see a film at £ 7.00 each, 25% of the money donated to charity. how much money would be used by the cinema?

……………………………………………………………………

30. Luke has 217 stamps. He has 7 times as many stamps as Keith. How many more stamps does Luke have than Keith?

……………………………………………………………………

31. There was 1 liter and 90 ml of water in a bottle. Amal drank 450 ml of water. How much water was left in the bottle?

……………………………………………………………………

32. Jack bought a 1st class stamp. When he pays with a £ 1.00 coin, he has got 6 different coins as his change. What is the price of the stamp?

……………………………………………………………………

33. Anil packed 231 cookies. He packed them into bags. Each bag contained 9 cookies. What was the least number of bags Anil used to pack all the cookies?

……………………………………………………………………………………..

34. A train leaves London at 10.35 a.m. and arrives in Exeter 3 hours and 35 minutes later. What time does it arrive Exeter?

……………………………………………………………………………………

35. Emiley thinks of a number, doubles it and adds 8. The answer was 26. What was the number she was thinking of?

………………………………………………………………………

36. A train travelling from Southampton to Basingstoke begins its journey with 78 passengers. During its journey, it stops at three stations. At the first station, it drops off 24 passengers and picks up 16. At its second stop, it drops off 9 passengers and picks up 15. At its third stop, it drops off 12 passengers and picks up 14.

When it finally arrives at Basingstoke, how many passengers are on the train?

………………………………………………………………………..

37. A chocolate cake recipe contains several ingredients, cocoa powder and butter. All other ingredients used together weigh 600g. The ratio of cocoa: butter: other ingredients is 1 : 2 : 12. How much butter is in the cake?

………………………………………………………………………..

38. If I am facing North West and turn 180° anticlockwise, which direction will I be facing? …………………………………………………………

39. A list of angles is given below

179°, 10°, 47°, 273°, 81°, 330°

Write the acute angles

…………………………………………………………..

40. Look at this diagram

   a) What fraction is shaded? …………………….....

   b) What fraction is unshaded? …………………….
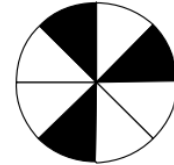
41. Micky is organizing a barbecue. There are 30 bread rolls in a pack and there are 8 sausages in a pack. He needs exactly the same number of bread rolls as sausages. What is the smallest number of each pack that he must buy?

…………………………………………………………………………….

42. Length of the rectangle is 11cm and the area is 176 cm².Find the perimeter of the rectangle? ………………………………………………………………

43. In the British Army there are 3500 men who are taller than 175 cm. Of these 750 are taller than 185 cm. How many men are there who are between 175 and 185 cm tall? ………………………………………………………………………

44. The price of a trouser = £ 50 ,The price of a T- shirt = £ 30 ,

The price of a belt = £ 25

Based on the information given, each statement below is either True or False. Select the correct one

a) Tom spent £ 80. He bought the t-shirt and the trouser. (True/ False)

b) Paul used three £ 10-notes to buy a belt. He received £ 2.50 change. (True/ False)

45. **Using the letters N for North, S for South, E for East and W for West, name the eight points on this compass. North (N) has been marked for you**
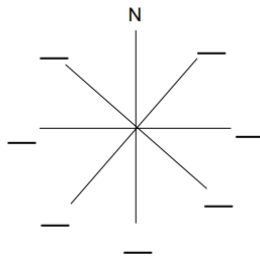

46. **A unicycle has 1 wheel, a bicycle has 2 wheels and a tricycle has 3 wheels. In the park there are the same number of unicycles, bicycles and tricycles. In total there are 57 tricycle wheels. How many bicycle wheels are there in total?**

……………………………………………………………………………..

47. **The graph below shows how much rain fell in London during last week.**

a) **If 180 mm of rain was recorded in London last week, how much rain fell on Tuesday? ……………… mm**

b) **Shade in the graph to indicate the Tuesday rainfall.**
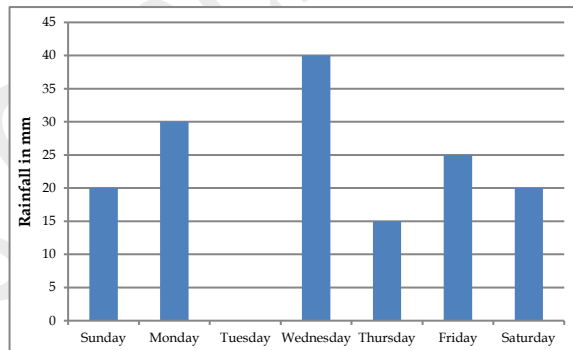
48. **The paper is shaded leaving three white rectangles whose measurements are 40 cm by 5 cm, 20 cm by 5 cm and 10 cm by 5 cm. This is shown in the diagram below. Calculate the fraction of the paper that is not shaded?**

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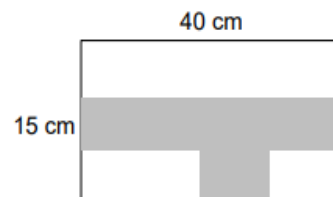
49. Leo is asked to add six to a number and then to multiply by three. By mistake he first multiplies by three and then adds six. If he gets the answer 54 what number did he start with and what answer should he have obtained?

………………………………………………………………………

50. Baker Oliver sold a total of 5000 cookies on Day 1 and Day 2.He sold 2254 cookies on Day 1. He sold 260 more cookies on Day 1 than on Day 3.

   a) How many cookies did he sell on Day 2?

   ....

   b) How many cookies did he sell on Day 3?

   ....