

Magdalen College School



Mathematics Test

For entry to the Junior School at 9+

Name _____

Date of Birth _____

Current Age _____ years _____ months

Current School _____

Instructions - *please read carefully*

- Please attempt all questions
- You may leave a question out and return to it later
- Please answer questions in the space provided
- Please show workings out – you may be awarded marks, even if your answer is incorrect
- You have 45 minutes to complete the test

RAW SCORE

PERCENTAGE

Mathematics Test 9+

1. Write in figures the number four thousand and nine:

2. Round 576 to the nearest 10:

3. How many quarters are there in $1\frac{1}{4}$?

4. How many twelfths are there in one whole?

5. What is the total of 345 and 65?

6. Decrease 256 by 19:

7. Put the correct sign in the box to complete this sum:

$$15 \quad \square \quad 5 = 3$$

8. 3 boys have 168 top trump cards. How many cards do they have each if the cards are shared equally?



9. Put a ring around the number sentence which is NOT TRUE:

$$8 \times 5 = 40$$

$$80 \div 5 = 40$$

$$40 \times 5 = 200$$

$$200 \div 40 = 5$$

10. Write $>$ or $=$ or $<$ in the box provided:

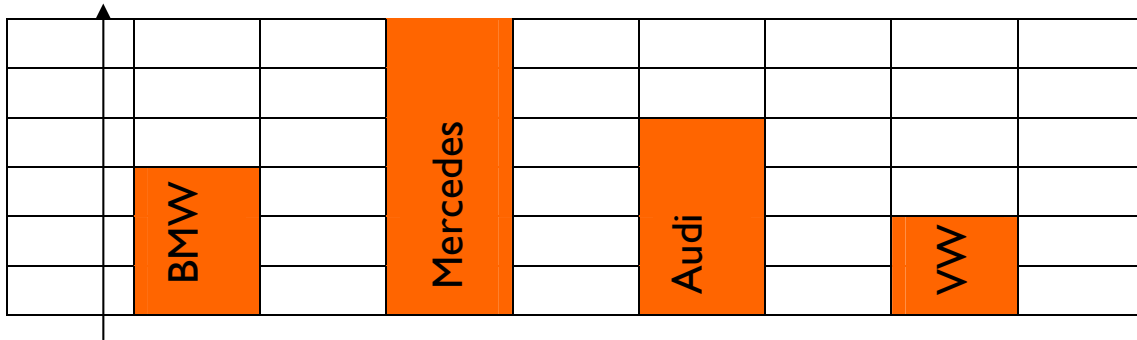
$$20 - 5 \quad \square \quad 20 \div 5$$

11. $230 = \underline{\hspace{2cm}} \times 10$

12. What is the value of the TENS digit in 4269?

13. 66 less than 100 is _____

14. What is one quarter of £3.00?



This bar chart shows how many cars were in a car park at 9am on Wednesday. There were 12 Audis.

15. How many BMWs were there?

.....

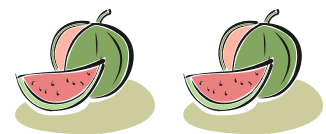
16. How many cars were there altogether?

.....

17. Which of these is the smallest fraction? Put a ring around your answer:

$$\frac{1}{2} \quad \frac{3}{4} \quad \frac{1}{4}$$

18. I have two whole watermelons. I cut each into EIGHTHS. How many pieces of watermelon are there?



.....

19. What is the cost of 9 packets of sweets at 32p each packet?

.....

20. Complete this number pattern:

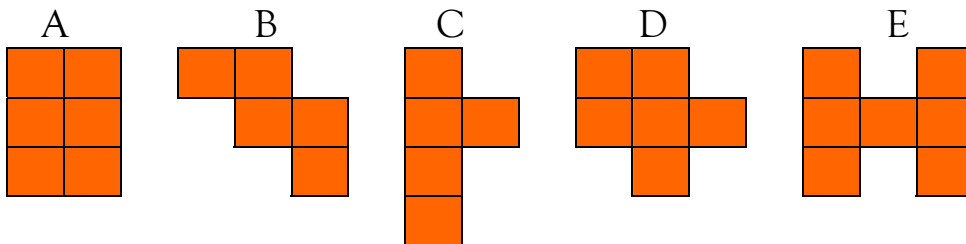
6 12 ____ 24 30 36 ____

21. 24 boys are in a class. Each boy has one pen, one pencil and one ruler. How many items do they have altogether?

22. What must be added to 17 to make 417?

23. 100 more than 7919 is _____

24. Which of these shapes has the same area as shape A? Put a ring around your answer:



25. Circle the numbers which can be divided exactly by 4:

4 14 18 24 28 34 38 48

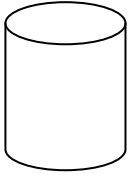
26. Calculate:

$$(7 \times 6) + 15 = \text{-----}$$

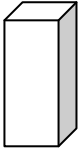
27. Comics cost 75p each. How many can I buy for £5.00?

28., 29., 30., 31

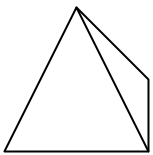
Join each shape to its correct name:



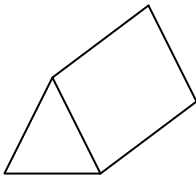
Cube



Sphere



Pyramid



Cuboid

Triangular Prism

Cone

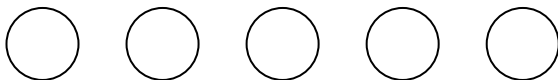
Cylinder

32. Put these amounts in order, smallest first:

£2.43 245 pence £0.03 5p

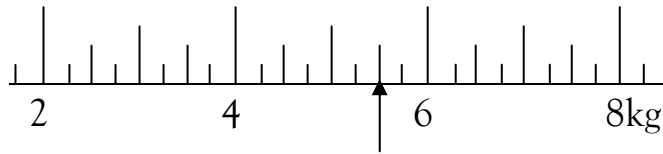
33. Grapes cost £3.50 a kilogram. How much would 200g cost?

34. I have five coins which add up to 35p. What are they?



35. 13 multiplied by 6 is _____

36. Look at this scale:



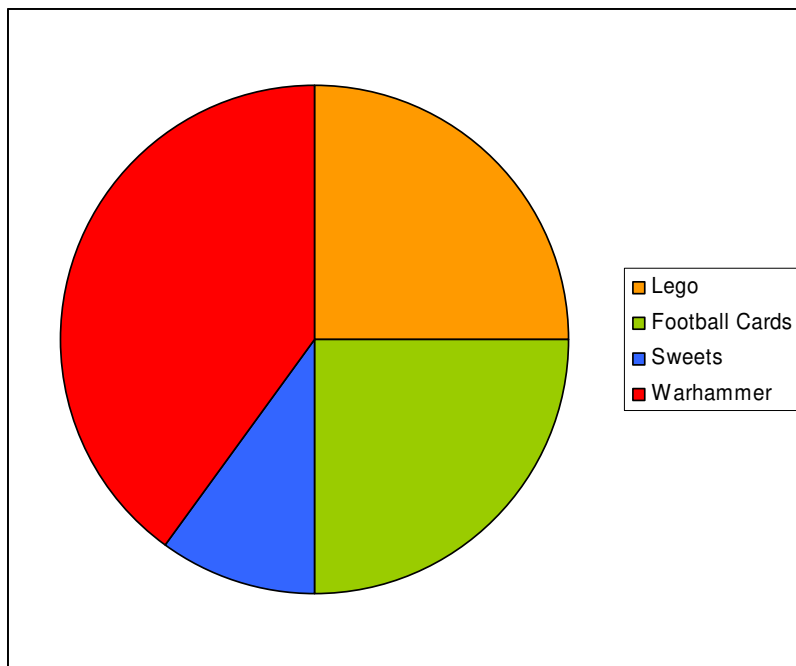
What weight in kg does the arrow point at? _____ kg

37. Circle the letters which can be cut exactly in half, so that both halves are the same:

M Q A P U E

38. How many 9cm ribbons can be cut from a 3m length of ribbon?

39. John had £20.00 to spend. This pie chart shows how he spent it. How much money did he spend on Lego?



40. $24 \times 8 = 192$

How many twenty-fours are there in a hundred and ninety-two?

41. Put a **tick** by the statements that are **very likely**:
Put a **cross** by the statements that are **very unlikely**:

There is a boy named James in my school

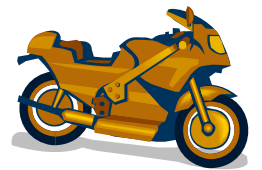
My teacher has been to the planet Mars

There will be no school on Christmas Day

We will eat worms for supper this evening

42. Circle the approximate length of a real motorbike:

22m 2m 22cm 220m 22km



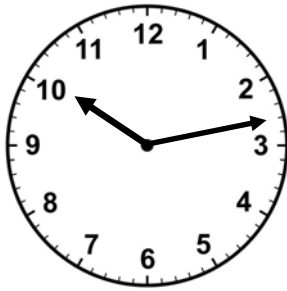
43. I am thinking of a number. I double the number then I add 17. The answer is 59.

What was the number I was thinking of? _____

44. I am facing North. I turn clockwise through one right angle. Which direction am I facing now?

45. Ninety six divided by twelve equals _____

46. Look at this clock. The time is:



47. Anne's parcel cost 40p to post.
She stuck on **five** stamps.
Each stamp was either 10p or 5p.
How many of each stamp did Anne stick on her parcel?

Anne stuck on _____ 10p stamps and _____ 5p stamps

Fill in the missing numbers:

48.
$$\begin{array}{r} \square \quad 8 \\ + \quad 3 \quad 1 \\ \hline 7 \quad 9 \end{array}$$

$$\begin{array}{r} 8 \quad 3 \\ - \quad \square \quad 2 \\ \hline 4 \quad 1 \end{array}$$

49. Using any method you wish, calculate 675×14 :

50. A man has to be at work by 9:00 a.m. It takes him 15 minutes to get dressed, 20 minutes to eat and 35 minutes to walk to work. What time should he get up?

Well done. You have completed the test. Please check through your answers carefully.