

# 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:

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2. Round 576 to the nearest 10:

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

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4. How many twelfths are there in one whole?

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5. What is the total of 345 and 65?

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6. Decrease 256 by 19:

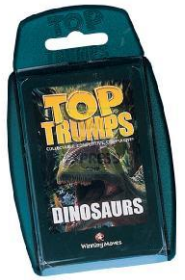
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7. Put the correct sign in the box to complete this sum:

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

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

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

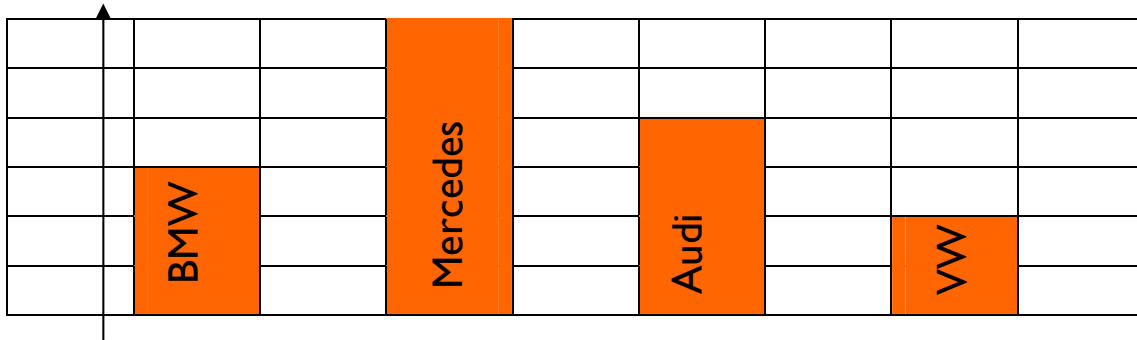
12. What is the value of the TENS digit in 4269?

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13. 66 less than 100 is \_\_\_\_\_

14. What is one quarter of £3.00?

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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?

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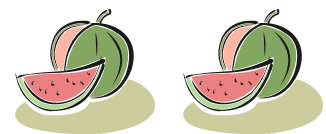
16. How many cars were there altogether?

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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?



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

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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?

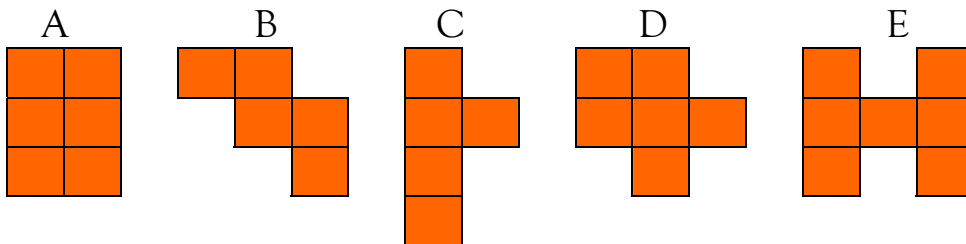
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22. What must be added to 17 to make 417?

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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

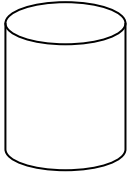
26. Calculate:

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

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

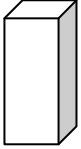
28., 29., 30., 31

Join each shape to its correct name:



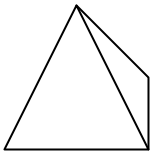
Cube

Sphere



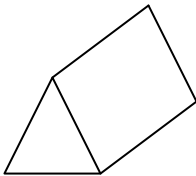
Pyramid

Cuboid



Triangular Prism

Cone



Cylinder

32. Put these amounts in order, smallest first:

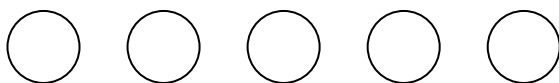
£2.43      245 pence      £0.03      5p

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

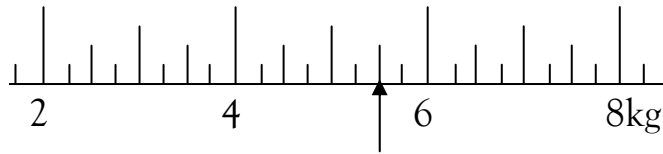
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34. I have five coins which add up to 35p. What are they?



35. 13 multiplied by 6 is \_\_\_\_\_

36. Look at this scale:



What weight in kg does the arrow point at? \_\_\_\_\_ kg

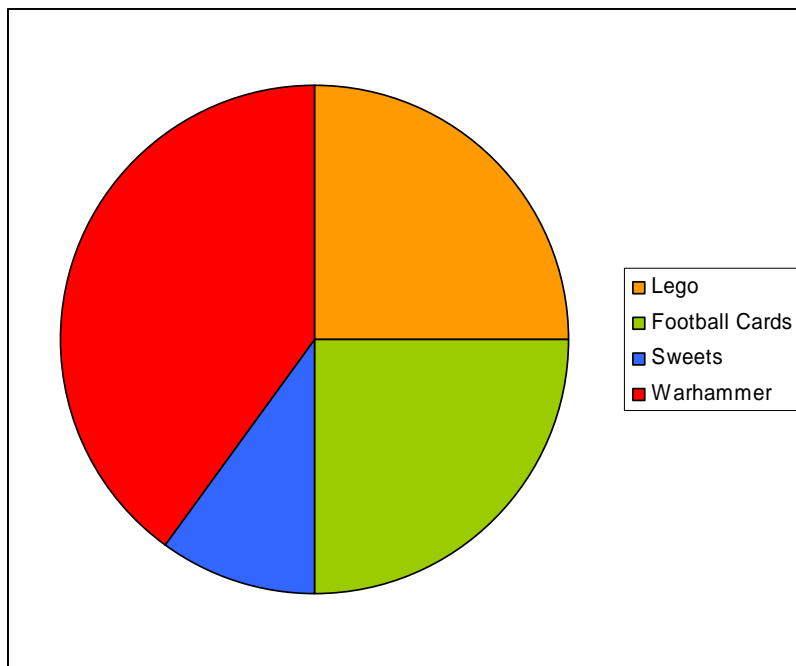
37. Circle the letters which can be cut exactly in half, so that both halves are the same:

**M      Q      A      P      U      E**

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

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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?

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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*

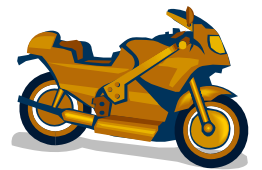
*My teacher has been to the planet Mars*

*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?

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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  $675 \times 14$ :

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?

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