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 ¼ ?
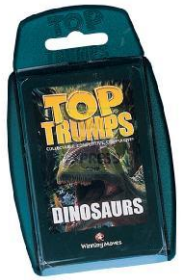
_____

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:

$$15 \boxed{} 5 = 3$$

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 x 5 = 40

80 ÷ 5 = 40

40 x 5 = 200

200 ÷ 40 = 5

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

20 – 5   ☐   20 ÷ 5

11.   230 = _____ x 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?

_____
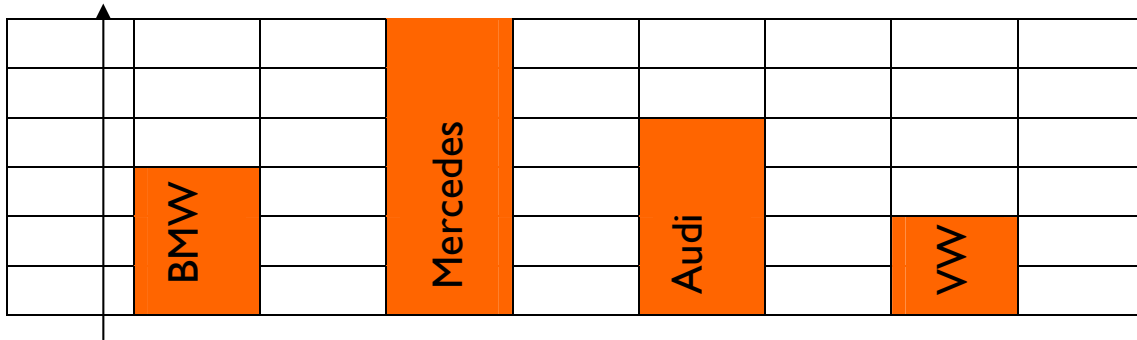
This bar chart shows how many cars were in a car park at 9am on Wednesday. There were 12 Audis.
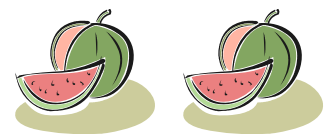
15. How many BMWs were there?

    _____

16. How many cars were there altogether?

    _____

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

    $\dfrac{1}{2}$ $\dfrac{3}{4}$ $\dfrac{1}{4}$

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?

    _____

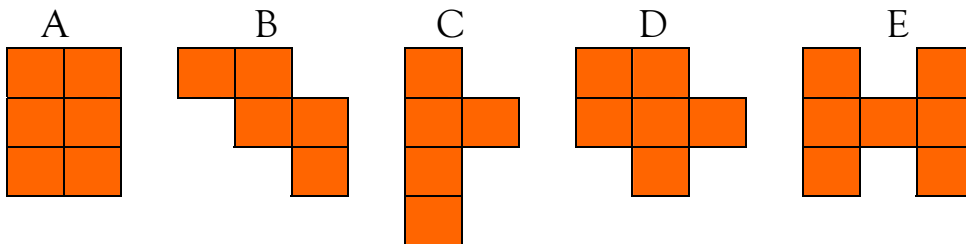20. Complete this number pattern:

    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:

A   B   C   D   E

25. Circle the numbers which can be divided exactly by 4:
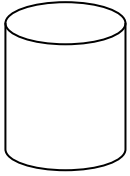
    4   14   18   24   28   34   38   48

26. Calculate:
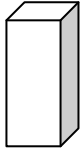
    (7 x 6) + 15 = _____

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

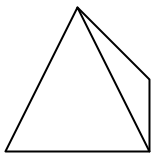28., 29., 30., 31

Join each shape to its correct name:
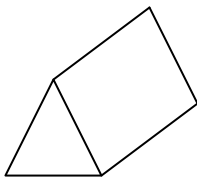

Cube

Sphere

Pyramid
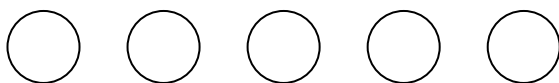
Cuboid

Triangular Prism

Cone

Cylinder

32. Put these amounts in order, smallest first:

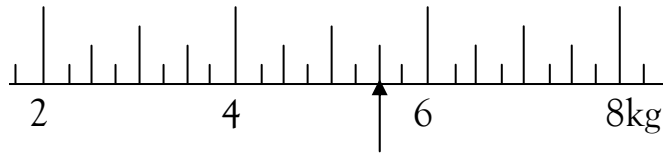£2.43   245 pence   £0.03   5p

_____

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 _____
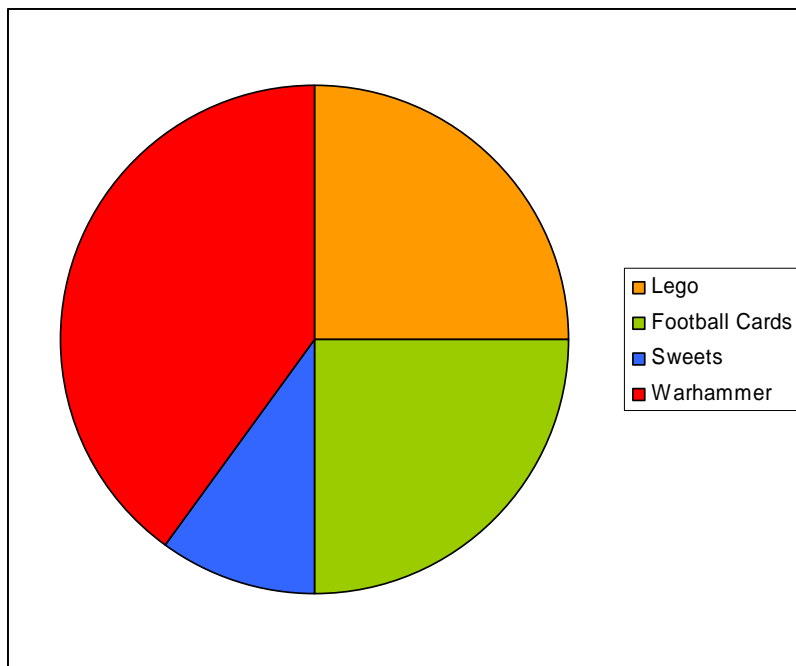
36. Look at this scale:

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 x 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**:
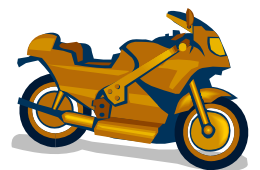
There is a boy named James in my school

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:

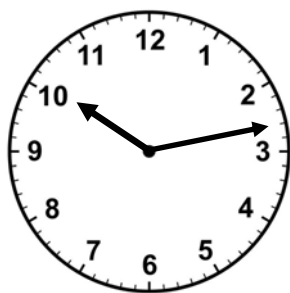22m   2m   22cm   220m   22km

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.
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    ☐ 8            8  3
  +  3  1        - ☐  2
    ─────          ─────
    7  9           4  1
```

49.   Using any method you wish, calculate 675 x 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.