



Registration No: **7**

**SAMPLE TEST
FOR SALE**

Surname:

Copyright of The Latymer School

First Name:

THE LATYMER SCHOOL

MATHEMATICS ENTRANCE TEST 2004

Time allowed: One hour

Read these instructions before you start:

- There are **50 questions** in this paper and each question is worth **one mark**. Work through the questions in the order that they appear. There may be some questions that you cannot do. Leave these and go on to the next question: you may have time to return to them at the end for another attempt.
- Use the space by each question to work out your answer. The blank pages may be used for working if there is not enough space by the question.
- You may use a pen or a pencil for this test.
- **Calculators are not allowed.**

Mark	Examiner

This paper consists of **50 questions** on **5 printed pages**.



© My Maths Cloud 2014. All rights reserved. This document is the property of My Maths Cloud and is not to be distributed, copied, or reproduced in any form without the prior written permission of My Maths Cloud.

D



LATYMER SCHOOL
MATHEMATICS ENTRY TEST 1 hour

1. What number is 14 less than ten thousand ?

Answer _____

2. Add $906 + 27 + 1425$

Answer _____

3. A clock gains 10 seconds every hour. It is put right at 12 noon (1200 hrs) on one day, what does the clock say in 24 hr time exactly one day later?



Answer _____ hrs

4. A light bulb I bought lasted 200 days. What is this in weeks and days?

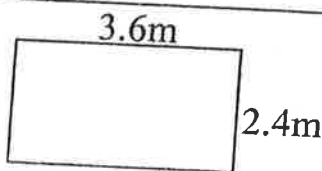


Answer _____ weeks _____ days

5. There is a special offer in the supermarket ' buy one tub of ice cream and get the second half price'. Tubs usually cost £ 2.48. How much do I pay for 2 tubs with this special offer?

Answer £ _____

6. The perimeter of the rectangle is the same as the perimeter of the square. How long is the side of the square?



Answer _____ m



7.



Clark takes **1.15** seconds to change into Superman, & **1.85** seconds to change back (getting your tie straight on take time). He does this **6** times each day.
How long each day does he spend changing?

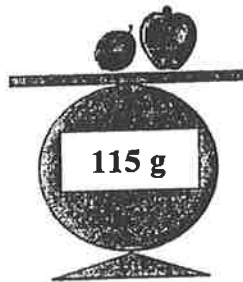
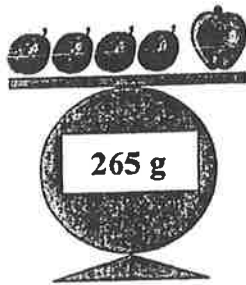
Answer _____ seconds

8. What is the first **negative number** you come to if you carry on the list of numbers

36 29 22 15

Answer _____

9.



What does **one**  weigh?

Answer _____ g

10.

$$136 \times 47 = 6392$$

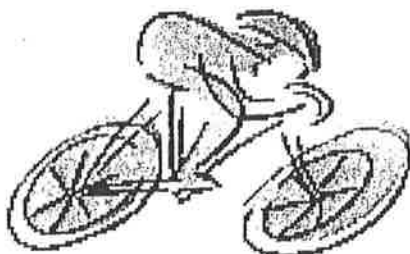
$$137 \times 47 = \blacksquare ?$$

Answer $\blacksquare =$ _____

11. A bee has to visit **2184** flowers to make just **one** pot of honey. How many flowers have to be visited to make **9** pots of honey?

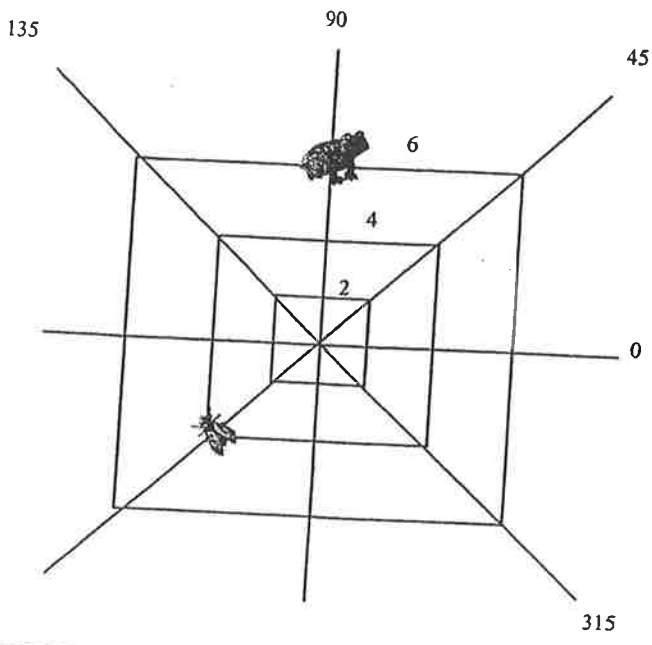
Answer _____

12. A bicycle wheel turns round **3550** times in travelling **5 km**.
How many times does it turn round in travelling **2 km**. ?



Answer _____ times

13.



The frog is at (6 , 90).

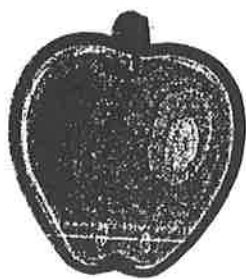
Where is the fly ?

Answer (,)

14. I can pay £ 5.90 to belong to a club for 1 year, or £ 24 to belong for 5 years. If I choose to pay the £ 24 how much cheaper would this be over the 5 years?

Answer £ _____

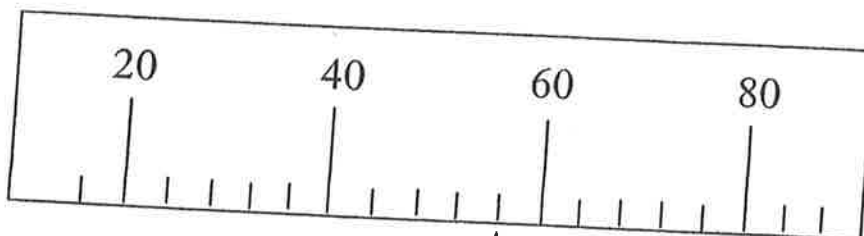
15.



My apple tree produced only two apples this year but they were whoppers! One weighed 878 grams and the other 652 grams. Find their total weight in kilograms.

Answer _____ kg

16.



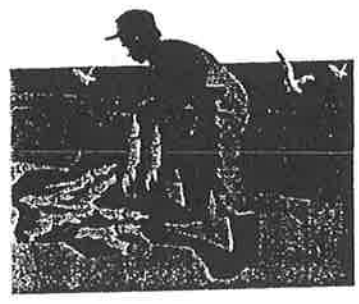
What number does the arrow point to ?

Answer _____



17.

Captain Cod caught **550** fish last week.
This week he caught **10% more**.
How many did he catch this week ?



Answer _____ fish

18. Tickets to the Zoo cost **£8** for adults and **£5** for children.
A group of people have to pay **£49** for tickets.
How many children are there in the group?

Answer _____

19.

- 2 \longrightarrow 7
- 3 \longrightarrow 9
- 5 \longrightarrow ?
- 8 \longrightarrow 19

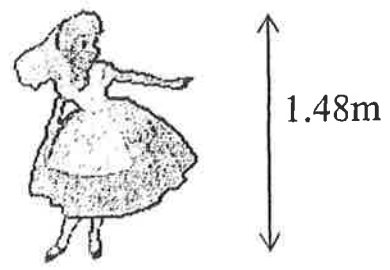
The same rule is used every time to change the
number on the left into the number on the right.
What is the missing number?

Answer _____

20. Jack is **10 years and 9 months** old; his sister Jill is **7 years and 5 months** old.
What is the average age of the two of them?

Answer _____ years _____ months

21.



Alice is **1.48m** tall, but she ate a cake which made
her grow **4cm** every second.
She stopped growing when she was **2 metres** high!
For how many seconds did the magic work?

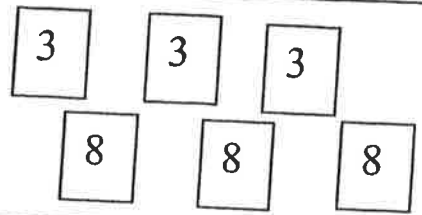
Answer _____ seconds

22. For every ribbon made, 8p goes to charity. If 500 ribbons are made, how much goes to charity?

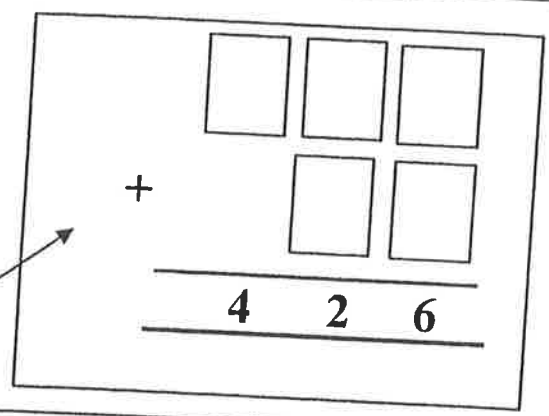


Answer £ _____

23.



Here are some number cards. Put just 5 of them in the empty boxes to make the addition sum correct.



24. Think of a number between 8 and 12 (don't forget what it was), add 3, multiply the answer by 4, take away 6, divide by 2 and subtract twice the number you thought of. Write down your answer in the answer space.

Answer _____

25. Here is a table which shows the result of multiplying A, B, C, and D. For example, C * B = A

*	A	B	C	D
A	B	C	D	A
B	C	D	A	B
C	D	A	B	C
D	A	B	C	D

What is A * B * C ?

Answer _____

26. A jug holds 750 ml of fruit juice. A glass holds 140 ml. If four glasses are filled from the jug, how much juice will there be left in it ?

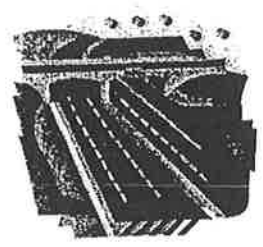
Answer _____ ml

27. A passage of 480 words has to be shortened to 360 words. What fraction (in its simplest form) of the original 480 words is the shortened version ?

Answer _____



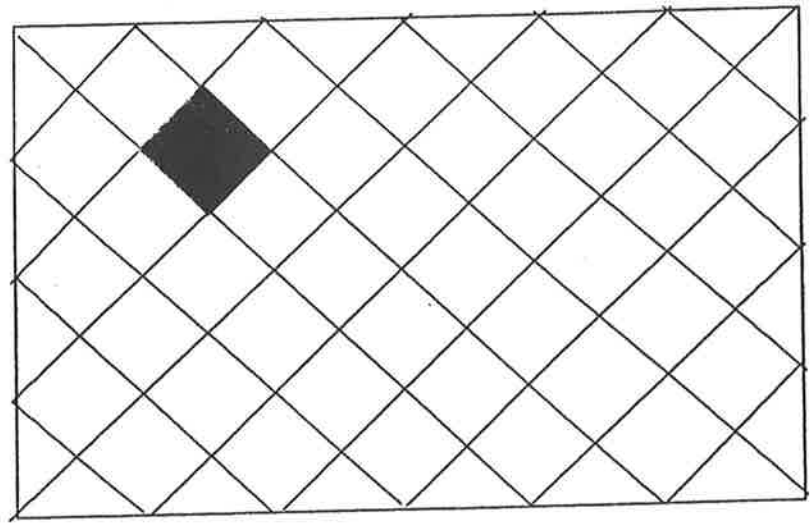
28.



The number of cars on the motorway has doubled every year.
It is now **60 000** cars a day.
What was it two years ago?

Answer _____ cars

29.



An area of exactly **1 square cm** is shaded.

Using the grid, draw a **SQUARE** that has an area of **2 square cm**.

30. **19.83** is approximately **20**.
Write down the approximate answer to $19.83 \div 4.91$

Answer _____

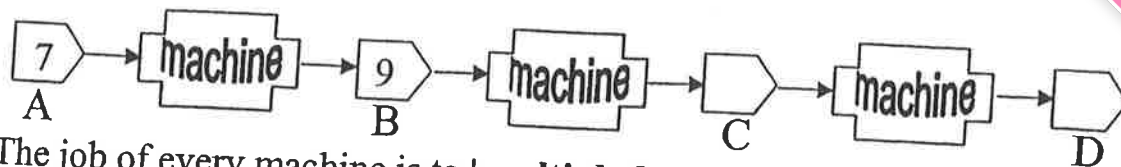
31. p is **70** bigger than q and $p + q = 110$

Write down the value of q .

Answer _____

32. Ali, Bev and Carl eat a whole bar of chocolate measuring **2 squares** by **8 squares** between them! Bev eats **3 times** as much as Ali but the one who eats most is Carl who eats **4 times** as much as Ali.
How many squares does Ali eat?

Answer _____ squares



The job of every machine is to 'multiply by 2 then subtract 5'

So 7 put in at A becomes 9 at B and so on.....

33. If 7 is put in at A what comes out at D?

Answer _____

34. What number put in at A becomes 5 at C?

Answer _____

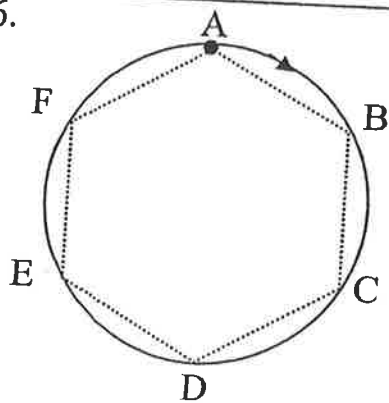
35.



To work out how many metres away a storm is you count the seconds between the lightning and thunder and multiply by 360. Jane counted $2\frac{1}{2}$ seconds. How far away was the storm?

Answer _____ metres

36.



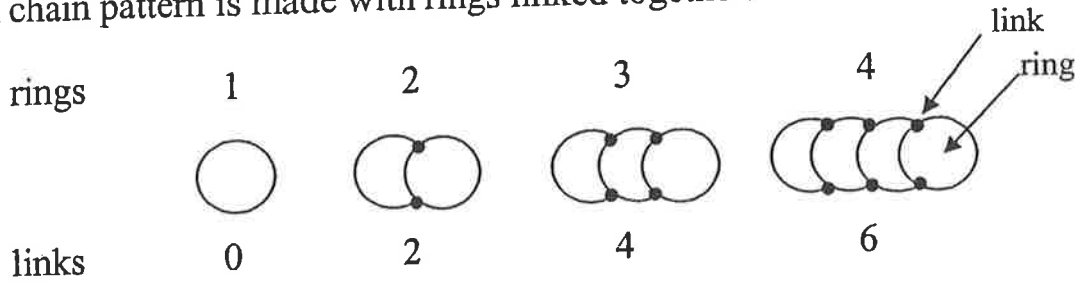
A hexagon (6 sides) is drawn inside a circle. A dot starts at A and moves through 420° clockwise round the circle in the direction of the arrow. Where does it end up?

Answer _____

37. School starts at 8.35 am. On Thursday Ashni caught the 8.18 bus which took 44 minutes to get her there because of an accident. How late was Ashni that morning?

Answer _____ minutes

A chain pattern is made with rings linked together.



38. How many links are needed for 12 rings?

Answer _____ links

39. How many links are needed for X rings?

Answer _____ links

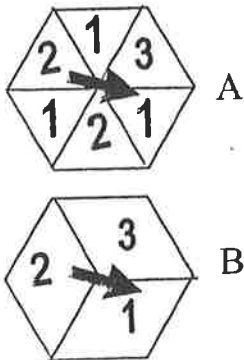
40.



In his holidays Homer spends $\frac{1}{3}$ of each day sleeping, $\frac{1}{4}$ of each day eating, and the rest of the day slumped in front of the TV, (but his family still love him).
What **fraction** of the day does he spend watching TV ?

Answer _____

41. A and B are two hexagon spinners. Put a tick (✓) for all statements that are true



scoring 2 is more likely on A than on B

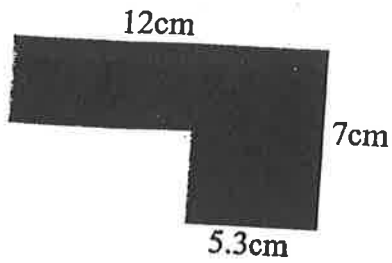
scoring 1 is more likely on A than on B

scoring 3 is equally likely on A and B

scoring 2 is equally likely on A and B

scoring 1 is equally likely on A and B

42.

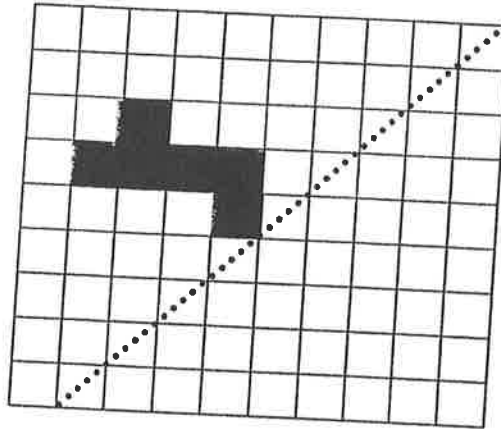


Write down the perimeter of the shape.

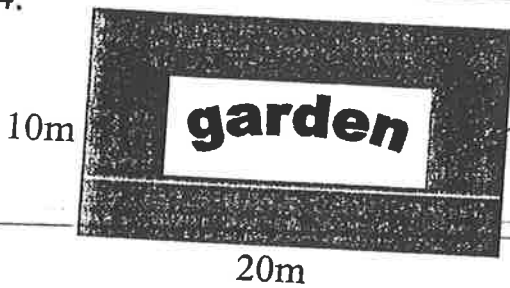
Answer _____ cm

43.

Draw the reflection of the shape in the dotted line.



44.



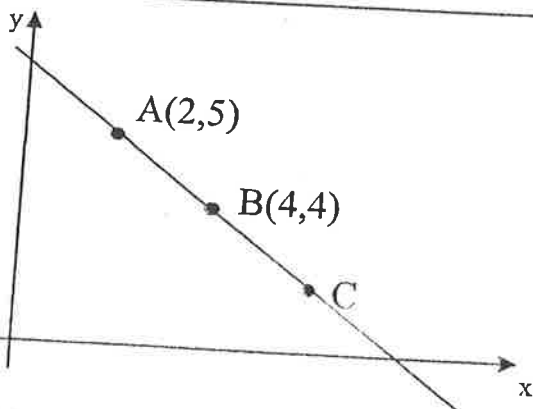
The path round the garden is 1m wide.
What is the area of the garden?

Answer _____ square metres

45. What number is exactly half way between -5 and 253 ?

Answer _____

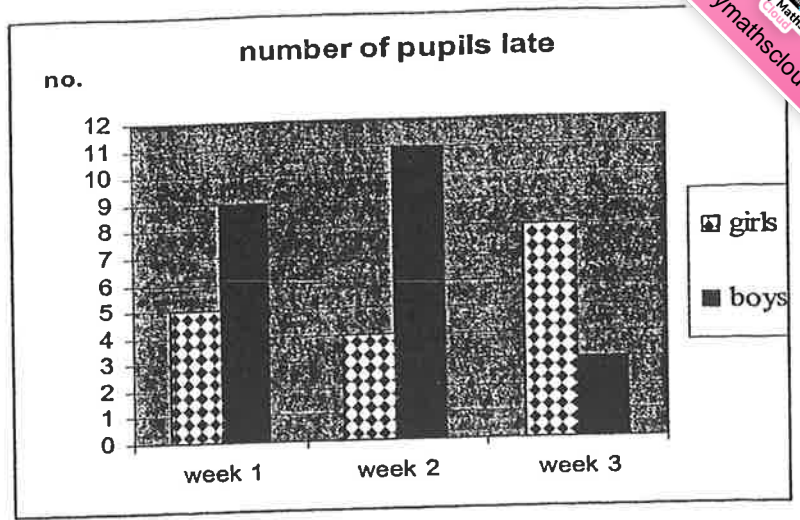
46.



The three dots are equally spaced along the line. Write down the coordinates of C.

Answer (_____)

The graph shows how many pupils were late for school in the first three weeks of term.
Answer questions 47 and 48 below.



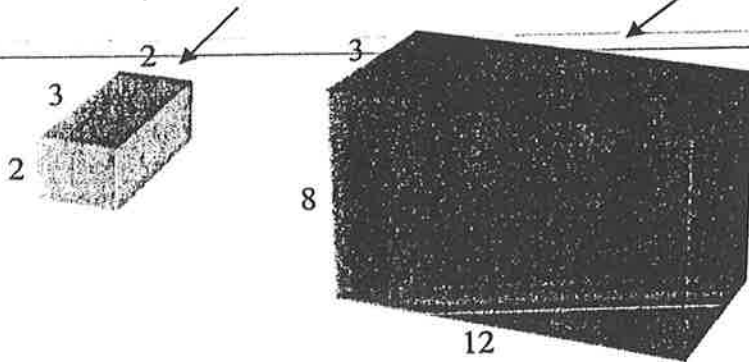
47. During the three weeks how many more boys were late than girls?

Answer _____

48. Of all those that were late, what percentage were week 3 girls?

Answer _____ %

49. How many of these will fit into this? (all lengths are centimetres)


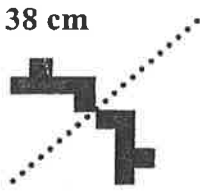


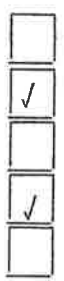
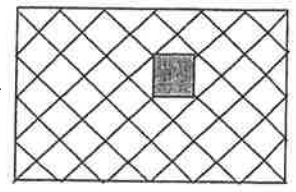
Answer _____

50. The **mode** of three numbers is 5, their **mean** is 7. Put in the two that are missing.

5

**LATYMER SCHOOL
MATHEMATICS ENTRY TEST 2004 ANSWERS**

- | | |
|---|--|
| <p>1. 9986</p> <p>2. 2358</p> <p>3* 1204 hrs</p> <p>4. 28 weeks 4 days</p> <p>5. £ 3.72</p> <p>6. 3 m</p> <p>7. 18 sec</p> <p>8. - 6</p> <p>9. 50 g</p> <p>10.  = 6439</p> <p>11. 19656</p> <p>12. 1420 times</p> <p>13. (4 , 225)</p> <p>14. £ 5.50</p> <p>15. 1.53(0) kg</p> <p>16. 56</p> <p>17. 605 fish</p> <p>18. 5</p> <p>19*. 13</p> <p>20*. 9 years 1 month</p> <p>21. 13 seconds</p> <p>22. £ 40.00</p> <p>23. $\begin{array}{r} 388 \\ + 38 \\ \hline \end{array}$ or $\begin{array}{r} 338 \\ + 88 \\ \hline \end{array}$</p> <p>24. 3</p> <p>25*. B</p> <p>26. 190 ml</p> | <p>27*. $\frac{3}{4}$</p> <p>28. 15000 cars</p> <p>29*. anywhere on grid</p> <p>30. 4</p> <p>31. 20</p> <p>32. 2 squares</p> <p>33. 21</p> <p>34. 5</p> <p>35. 900 metres</p> <p>36. B</p> <p>37. 27 minutes</p> <p>38. 22 links</p> <p>39*. 2X – 2 links (or equivalent)</p> <p>40*. 5/12</p> <p>41. These and only these boxes</p> <p>42. 38 cm</p> <p>43. </p> <p>44*. 144 sq m</p> <p>45*. 124</p> <p>46*. (6 , 3)</p> <p>47. 6</p> <p>48. 20%</p> <p>49. 24</p> <p>50*. 5, 5, 11 or 5, 11, 5</p> |
|---|--|



Questions marked * proved a little more difficult than most.

