LATYMER PREP SCHOOL
EDUCATING GIRLS AND BOYS AGED 7-11

7+ MATHS
EXEMPLAR PAPER 1

Name:..

Your School: ....

Time allowed: 45 minutes

INSTRUCTIONS: To be read by the Tutor.

There are two parts to this paper:
> **Part A: Mental Arithmetic (5 mins)**
> **Part B: Problem Solving (40 mins)**

- Use pencil.
- There are 17 questions. Answer all of them if you can.
- Do any working that is needed in the space allowed for the question.
- If there is not enough space, use the back of one of the sheets.
- If you cannot do a question, go on to the next one and try again later.
- Do not ask the teacher to explain a question to you.
- If you finish before the end of the time, check your answers and then wait quietly in your place.
- If you do not finish or you cannot understand all the questions, do not worry. People work at different speeds.
- Be sure not to turn over two pages at once.

DO NOT WRITE IN THIS BOX

Section A
Time Allowed: 5 minutes

12	x	5	=		10	x	10	=
9	x	2	=		5	+	9	=
8	x	10	=		2	x	9	=
2	x	7	=		10	+	20	=
10	x	3	=		4	x	5	=
12	+	4	=		7	x	2	=
11	–	8	=		2	÷	2	=
13	+	9	=		7	x	5	=
20	–	6	=		6	x	2	=
5	x	1	=		8	x	2	=
34	+	6	=		6	x	5	=
5	x	9	=		40	÷	10	=
6	x	5	=		4	x	1	=
11	x	5	=		8	x	2	=
21	–	11	=		15	÷	5	=
30	–	9	=		5	x	9	=
9	x	2	=		6	x	2	=
16	+	16	=		6	x	10	=
5	x	1	=		13	+	5	=
2	x	10	=		12	÷	2	=

20 MARKS

DO NOT TURN OVER THE PAGE UNTIL YOU ARE TOLD TO DO SO

1. **Write the following as numbers instead of words.**

   a) Thirty-one ....

   b) Fourteen ....

   c) One hundred and fifty ....

   d) Two hundred and two ....

2. **I am thinking of a number. It has a 7 in the ones column, 3 in the hundreds column and a 2 in the tens column. Write down this number.**

   ....

3. **Write these numbers in words.**

   a) 11 ....

   b) 27 ....

   c) 121 ....

4. **Which number is highest?**

   a) 6 or 9 ....

   b) 41 or 14 ....

   c) 30 or 33 ....

   d) 51 or 49 ....

5.

    a) **Amy has 36 sweets. She shares them evenly between 9 friends. How many does each friend get.?**

       Answer: ....

    b) **Tom buys 4 stickers costing 20p each with a £5 note. How much change does he get back?**

       Answer: ....

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6. Add the following in your head.

    a) 4 + 7 = ...   d) 25 + 75 = ...

    b) 13 + 5 = ...   e) 8 + 6   = ...

    c) 11 + 9 = ...   f) 12 + 18 = ...

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7. Fill in these multiplication squares. The first one has been done for you.

X	3	4	9	6	7
2	6				
5					
10					

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8. Work out these in your head.

    a) 23 - 9 = ...   d) 76 - 49   = ...

    b) 17 - 11= ....   e) 52 - 14   = ...

    c) 37 - 8 = ...   f) 99 - 91   = ...

9. Circle all the even numbers below.

21   10   7   49   30

36   12   23   15

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10. At the cinema it costs adults £2:50 and children £1.

   a) How much does it cost for 2 adults and 1 child?

   Answer: ....

   b) How much change do they get from £10?

   Answer: ....

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11. Fill in the missing numbers from a 100 square.

   a)

13		15
	24	

   b)

		79
87		

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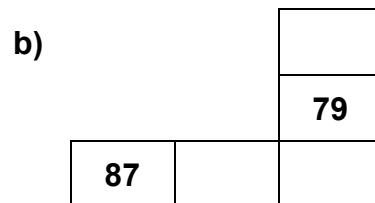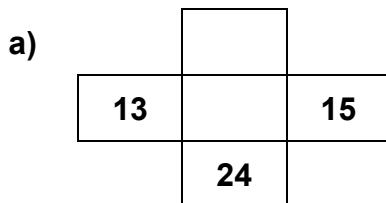
12. Complete these halving and doubling sentences.

   a) Half of 36 is   ....

   b) Half of 14 is   ....

   c) 20 divided by 2 is   ....

   d) 18 shared between 2 is ....

   e) Double 7 is   ....

   f) Twice 11 is   ....

   g) Double 50 is   ....

13. Put dotted lines on the shapes so they are cut in half.
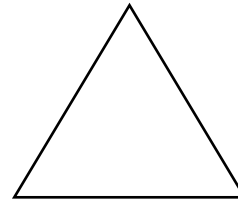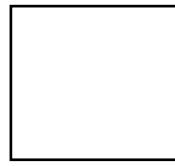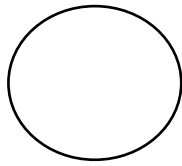
14. Put the symbols +, -, x, or ÷ so that these sentences are true.

a)   5 ☐ 4   =   9

b)   3 ☐ 5   =   15

c)   21 ☐ 9   =   12

d)   16 ☐ 4   =   4

e)   8 ☐ 5   =   3
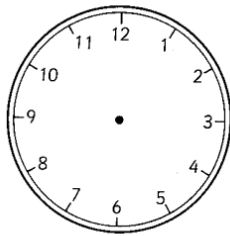
f)   24 ☐ 2   =   12

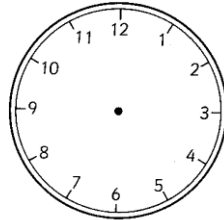**15. Put a √ in the shapes with straight edges.**
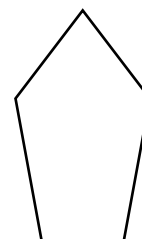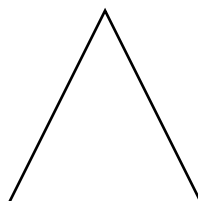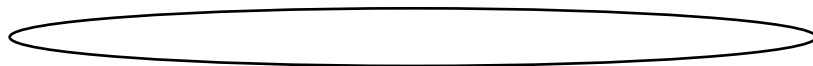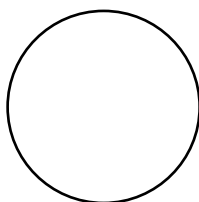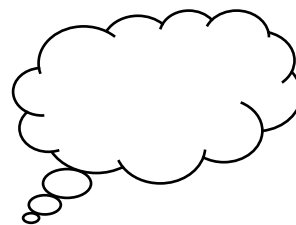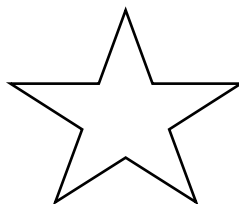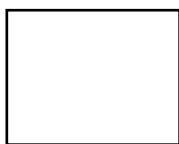
16. Use the grid below to draw a rectangle, square and a triangle.
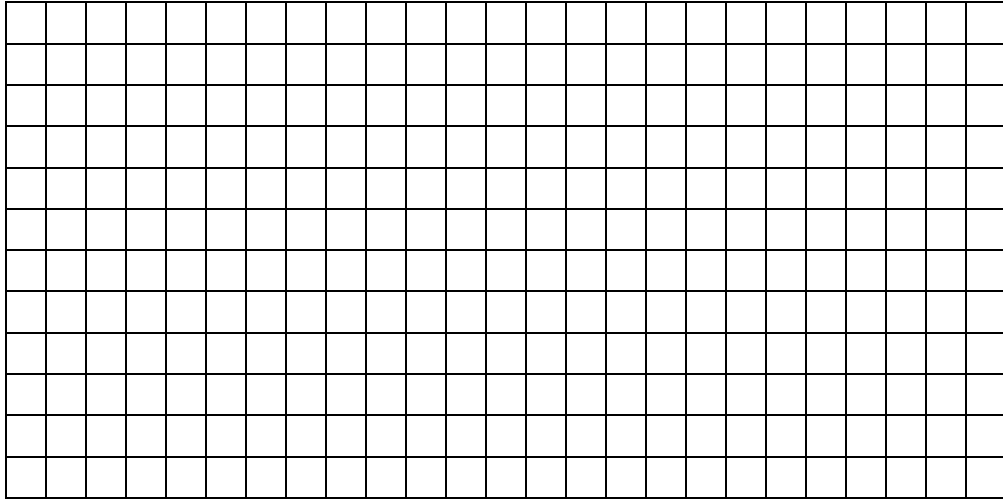
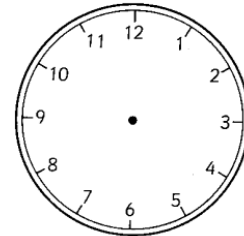**17.** Draw hands on these clock faces to match the time written below each one.

Four o'clock   A quarter past seven   Half past three