LATYMER PREP SCHOOL
EDUCATING GIRLS AND BOYS AGED 7-11

7+ MATHS
EXEMPLAR PAPER 2

Name:...

Your School: ....
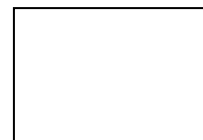
Time allowed: 45 minutes

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 15 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

7	x	5	=		5	+	15	=
9	x	10	=		10	+	6	=
8	x	2	=		2	x	1	=
12	x	5	=		15	+	14	=
5	x	5	=		9	x	5	=
7	+	3	=		1	x	11	=
9	–	3	=		22	÷	2	=
12	+	5	=		6	x	5	=
15	–	7	=		2	x	12	=
2	x	3	=		3	x	2	=
22	+	9	=		10	x	8	=
5	x	7	=		15	÷	3	=
5	x	8	=		5	x	10	=
10	x	6	=		4	x	5	=
17	–	11	=		12	÷	6	=
25	–	19	=		7	x	2	=
8	x	5	=		8	x	1	=
8	+	7	=		9	x	10	=
2	x	2	=		2	+	5	=
3	x	10	=		12	÷	2	=

20 MARKS

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

1. Write a number in each box to make the sum correct.

7 + ☐ = 10   9 + 11 = ☐

4 + 8 = ☐   26 + ☐ = 40

10 - ☐ = 7   70 - 9 = ☐

5 x ☐ = 30   10 x 3 = ☐

30 ÷ ☐ = 6   ☐ ÷ 2 = 9

2. Write the following as numbers instead of words.

a) Twelve   ....

b) Thirty one   ....

c) One hundred and two   ....

d) Three hundred and thirteen..

e) Nine hundred and four   ....

3. I am thinking of a number. It has a 9 in the ones column, 4 in the hundreds column and a 6 in the tens column. Write down this number.

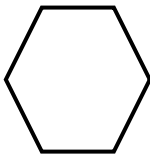..

4. Write these numbers in words.

a) 47 ....

b) 102 ....

c) 333 ....

d) 101 ....

5. Which number is highest?

a) 11 or 13 ....

b) 31 or 29 ....

c) 59 or 49 ....

e) 102 or 99 ....

6. Join each shape to its name using a pencil line.
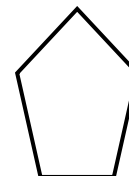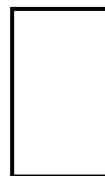
| Rectangle | Pentagon | Triangle | Hexagon |

7.

Sophie has 4 cards: | 6 | | 9 | | 2 | | 3 |

a) What is the largest number she can make by arranging the cards?

Answer: ....

b) What is the smallest number she can make by arranging the cards?

Answer: ....

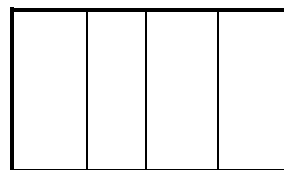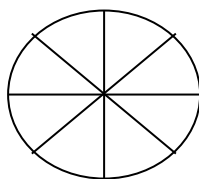8.   a) If a TV programme starts at 7 pm and lasts 20 minutes. What time does it finish?

Answer: ....

b) 1, 3, 5, 7, 9. What are the next 2 numbers in this pattern?

Answer: ____   ____

9.   **a)   Shade ¼ of each shape**

a) Shade ½ of each shape

10
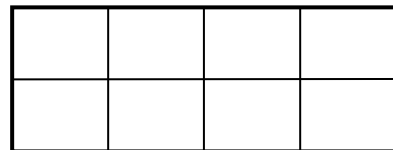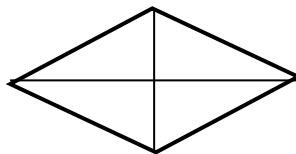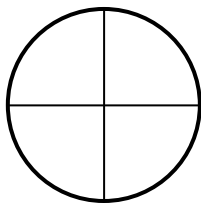
	A	B	C	D	E	F	G	H	I	J
5				Y					O	
4		C				T				R
3				A				E		
2		L			F	H				
1				P			M			S

Name the letter in each of the above squares.

a) B2 [ ]

b) F4 [ ]

c) H3 [ ]

d) D3 [ ]

e) J4 [ ]

f) D5 [ ]

g) G1 [ ]

Rearrange your answers to make a well known word

Answer:...

11. **a)** **Write the time of each clock**

_____   _____   _____

b) **Draw hands on each clock so that it says the correct time.**

3:30   A quarter past 4   11:00

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12. **The answer to each question can be found in the box. Choose the correct answer and write it on the line.**

1) Find half of 70 _____

2) 5 x 5 = _____

3) How many days in three weeks? _____

4) Find a quarter of 44 _____

5) Find the cost of 5 apples at 7p each _____

6) 16 + 15 _____

7) Three pencils cost 42p. How much does one pencil cost? _____

8) 50 – 11 = _____

7	9	11	14	17	19	20
21	23	25	31	35	39	

13. **Here is a graph about favourite ice creams**

Strawberry	
Vanilla	
Chocolate	
Banana	
Lemon	

Key:

 = 2 Cornets

a) How many children liked vanilla most? ....

b) How many children liked banana most? ....

c) Which flavour was most popular? ....

d) Which flavour was least popular? ....

e) How many children were asked altogether? ....

14. **a)** **Join each to its nearest 10**

| 12 | 29 | 44 | 61 |

| 10 | 20 | 30 | 40 | 50 | 60 | 70 |

| 14 | 31 | 47 | 67 |
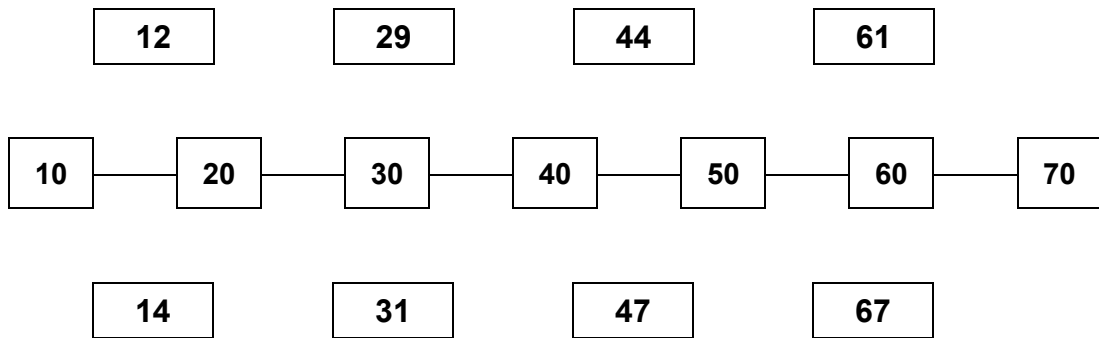
b) **Each triangle must make 50. Fill in the missing numbers**

15.

50   £1   20   1p

5p   10p   2p

75p

180p

66p

68p

80p
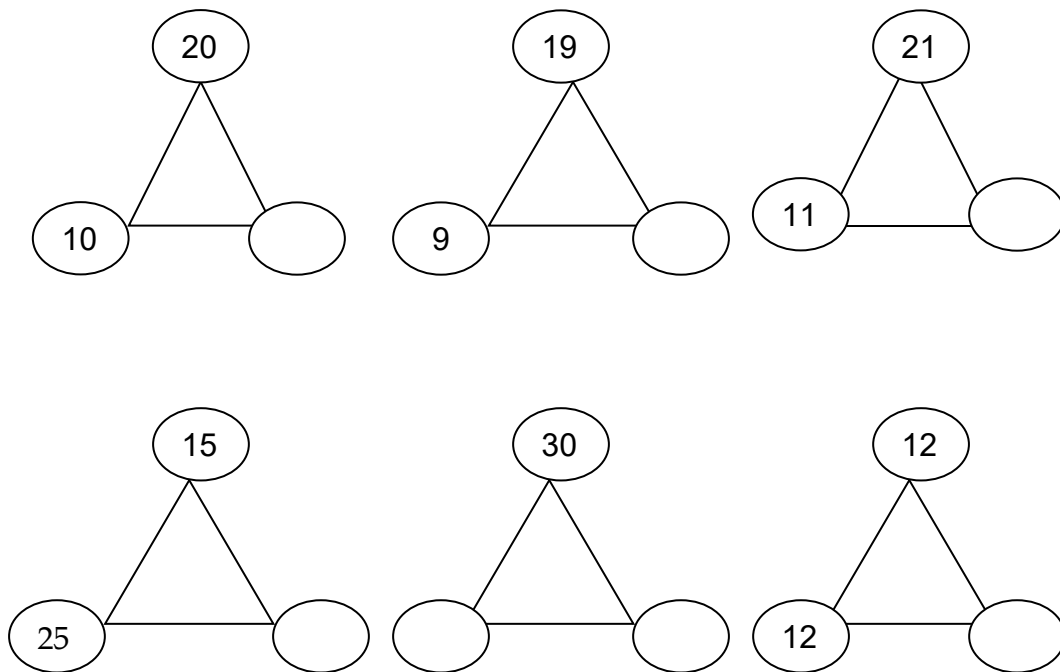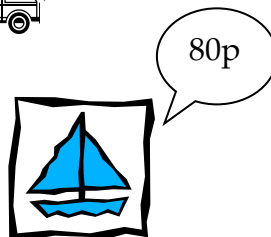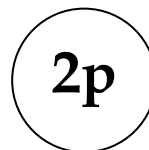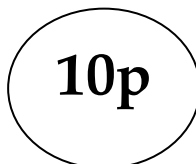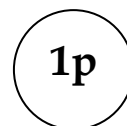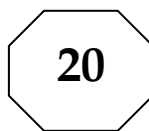
Which <u>four</u> coins would you use to buy these toys.
(You can use coins more than once).

i) Teddybear   ____   ____   ___   ____

ii) Sailboat   ____   ____   ___   ____

iii) Truck   ____   ____   ___   ____

John has £1. If he buys the football, how much change does he get?

Answer: _____p

Janet has 40p. She wants to buy the pram, how much <u>more</u>
money does she need?

Answer: _____p

END OF PAPER