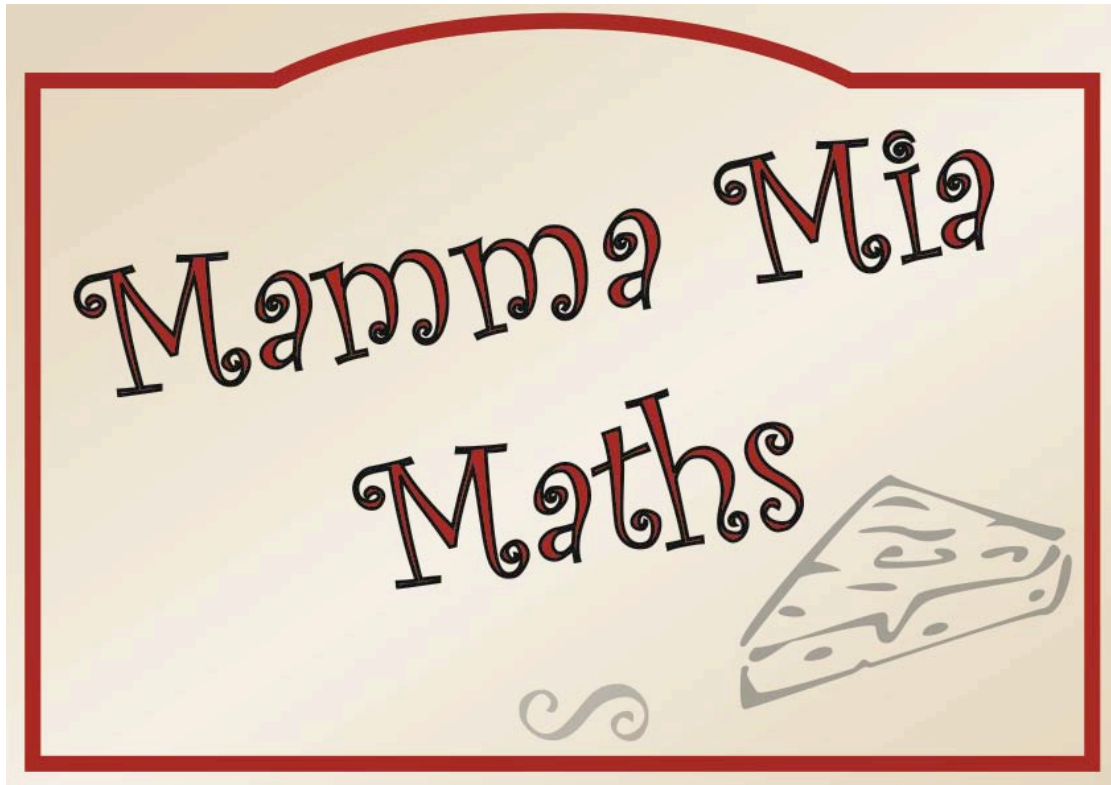


Mamma Mia Maths Show



Pre and Post Visit Materials 2007

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National Curriculum:

The Mamma Mia Maths show is aimed at pupils working at or between attainment levels 2-3. It covers the following topics:

- Fractions
- Number patterns and sequences
- Time and relationships
- Calculations with money
- Magic squares
- Counting, symmetry and pattern

The activities below are intended to prepare a group to experience this show and to reinforce some of the activities in the classroom after the visit. Each activity is stand-alone and may be used as either pre or post visit depending on your group or preference.

Suggested pre-visit activities:

Colour in the following charts; use a different colour for each fraction. Can you fill in the missing fractions?

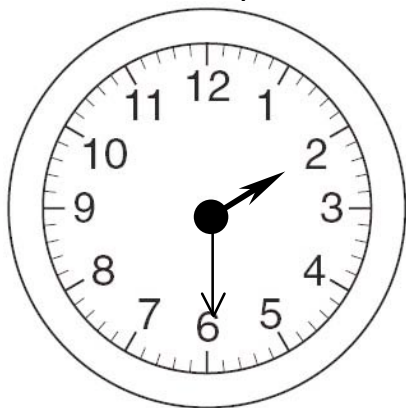
1							
1/2							
1/4				1/4		1/4	
1/8	1/8	1/8	1/8		1/8	1/	1/8

1											
1/3				1/3							
1/6				1/6		1/6		1/6		1/6	
1/12	1/12	1/12	1/12	1/12	1/12	1/12		1/12	1/12	1/12	1/12

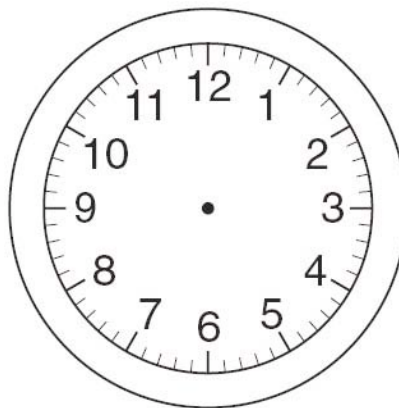
1											
1/2											
1/6				1/6		1/8				1/8	
1/8	1/8			1/8	1/12	1/12			1/12	1/12	1/12

Look at the various clocks; can you fill in the missing time by putting in the numbers or drawing the clock hands in the right places?

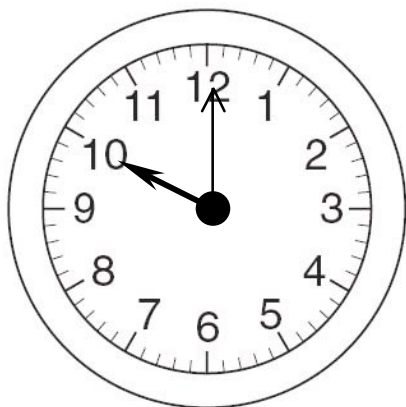
Here is one done for you:



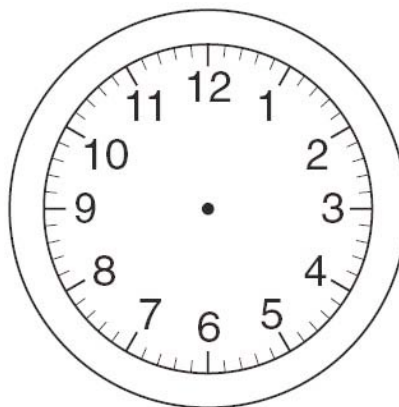
0	2	3	0
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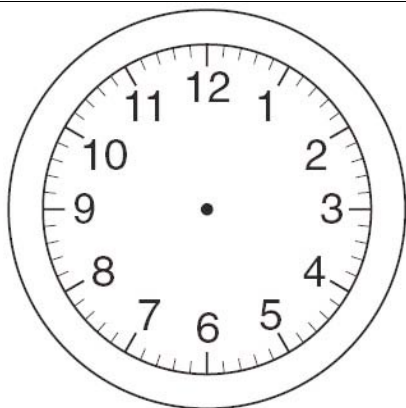
0	4	4	5
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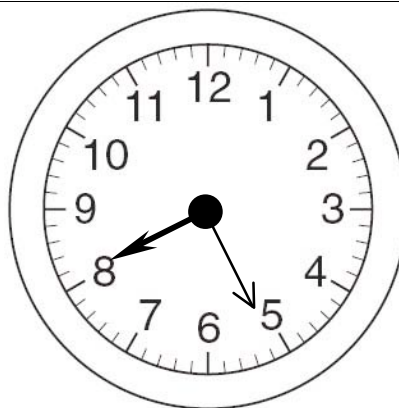
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0	8	1	5
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0	6	2	0
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Suggested post-visit activities:

Be a code breaker and find the missing numbers:
Each list below has some missing numbers, find the pattern that links the numbers and fill in the gaps.

Here is one that is complete:

2 **4** **6** **8** **10**

The pattern is based on the two times table, so the missing number is six.

Now try these:

1 **3** **5** **9**

3 **6** **9** **15**

5 **15** **20**

20 **12** **8**

1/2 **1** **1 1/4** **1 1/2**

6 **10** **18** **22**

Cut out the shapes below; can you make the three squares into two squares?

Try to fit the four parts of square A and square B into the square with the question mark.

You could try this with some graph paper and see if it will work for all right angled triangles.

