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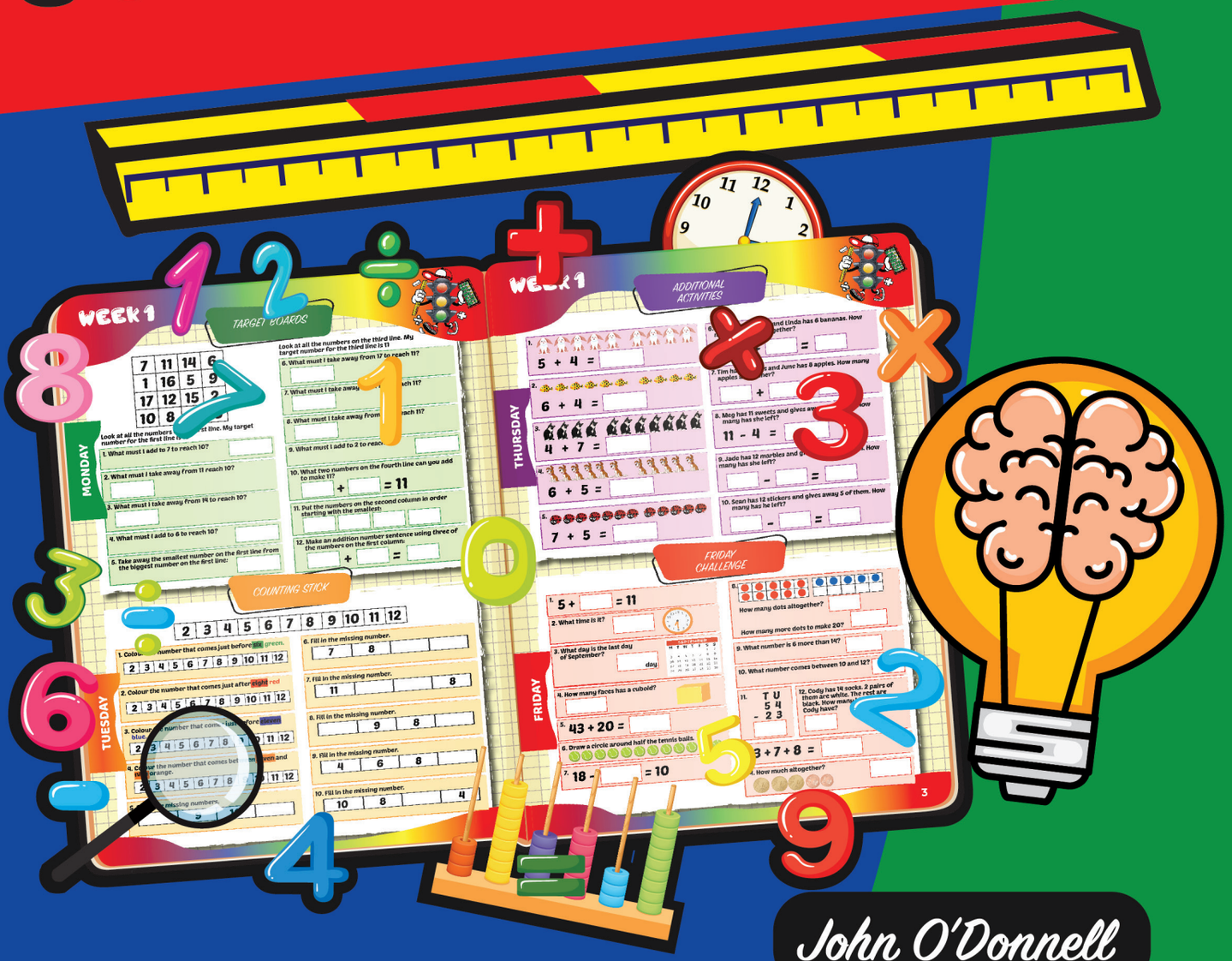
inspiring Ideas

READY STEADY GO!

5TH CLASS

MENTAL MATHS



John O'Donnell

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Design: **Nicolette Culloo**

HOW TO USE THIS BOOK

Ready Steady Go Maths is a Mental Maths programme for 1st to 6th Class primary school pupils. The programme is unique in that it actually teaches pupils the strategies and skills required to calculate and to solve mathematical problems mentally, thereby enabling pupils to fully engage with the Primary School Mathematics Curriculum.

Ready Steady Go Maths gives pupils a variety of approaches and strategies to make mental calculations using a step by step approach, appropriate to each class level and helps consolidate their problems solving skills.

The ***Ready Steady Go Maths*** programme is laid out in an easy to follow structure. The programme contains 160 units for each class level. There are 5 weekly lessons (Monday – Friday) rolled out over a period of 32 weeks each school year.

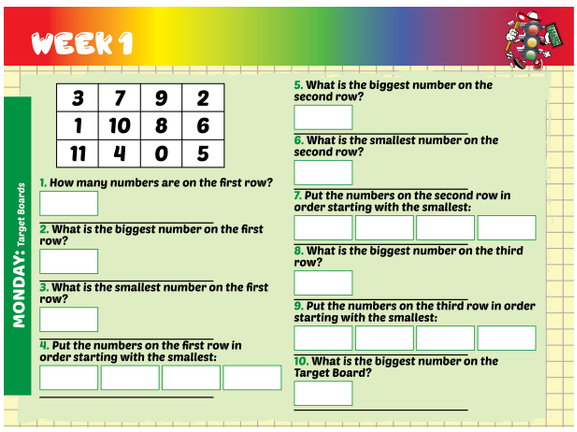
The ***Ready Steady Go Maths*** programme may be used as a warm-up ahead of existing daily Maths lessons. It may also be used as a stand-alone programme to teach Mental Maths or as assigned nightly homework. Whatever way Ready Steady Go Maths is used, the programme is the ideal complement to the Primary School Mathematics Curriculum.

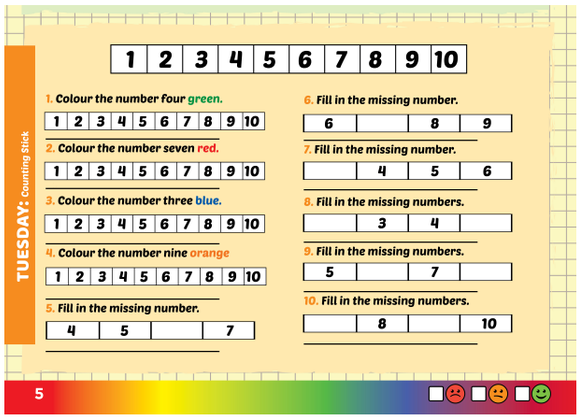
Self-assessment

At the end of each page there is a self-assessment section which gives pupils the opportunity to reflect on their learning and which provides useful feedback to the teacher on how each pupil is progressing.

Mondays

Monday lessons focus entirely on **Target Board** activities which are ideal for teaching the language of Mathematics in general and the language of **Number** and **Problem Solving** in particular, in a fun and stimulating way. Pupils are provided with opportunities to explore the relationship between numbers and to consolidate mathematical learning through a variety of easy to follow questions.





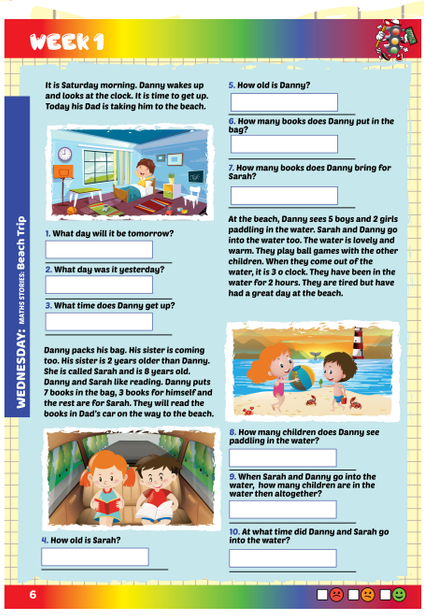
Tuesdays

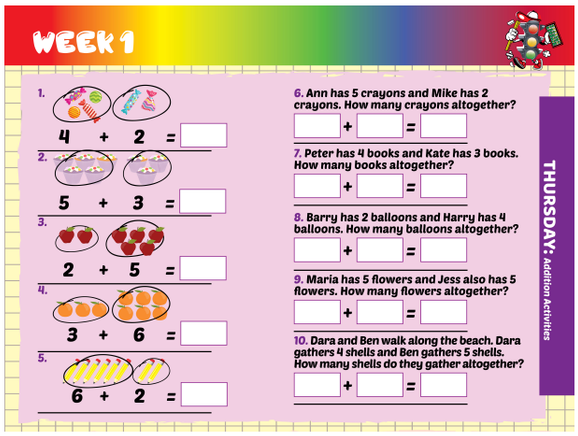
Tuesday lessons focus on the **Counting Stick**, **Number Strips** and the **Hundred Square.** Pupils are introduced to counting forwards and backwards and thereby exploring number patterns and the relationships between numbers.

HOW TO USE THIS BOOK

Wednesday

Wednesday lessons focus on **problem solving**. Pupils are introduced to the characters of Danny and Sarah through a series of interesting **Mathematical stories** and **word problems** based on these stories. They also learn strategies for problem solving and get the opportunities to practise these strategies through different types of problem solving such as **Practical Tasks, Puzzles** and **Word Problems.** In the 4th, 5th and 6th Class books, pupils are given a number of **real life problems** and investigations to research and solve online using information technology.



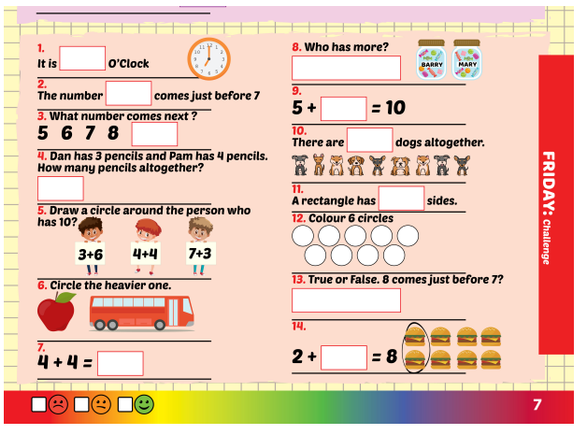


Thursday

Thursday lessons develop pupils' **mental maths skills** by teaching the pupils a variety of **strategies** for making **mental calculations.** The pupils are then provided with opportunities to apply these skills and strategies with **structured questions** based on the skill being developed.

Fridays

Friday lessons focus on developing pupils' **all round mental abilities** through a series of **simple but challenging questions** which consolidates work already done through the Ready Steady Go Maths programme.



Worked Examples

Pupils are provided with worked examples throughout the Ready Steady Go Maths programme to demonstrate the skills and strategies being developed and which enables pupils to work independently of the teacher

Supplementary Materials

Large Class Target Boards incorporating the Target Boards in the pupil books are available to teachers in order to conduct class lessons. These Class Target Boards also contain a series of new Target Boards and activities not available in the pupil books which are extremely valuable in consolidating learning and in **differentiating** for pupils according to ability.
There is also a supplementary Teacher Manual for each class level containing the answers to all questions in the respective class pupil books.

MONDAY: Target Boards

4625	3758	6429	4265
7394	5083	8207	3976
3175	6629	5736	9372

1. Put the numbers on the first row in order starting with the biggest.

If my target number is 5800, what must I do to each number on the first row?

2. To get from 4625 to 5800, I must

3. To get from 3758 to 5800, I must

4. To get from 6429 to 5800, I must

5. To get from 4265 to 5800, I must

If my target number is 8000, what must I do to each number on the second row?

6. To get from 7394 to 8000, I must

7. To get from 5083 to 8000, I must

8. To get from 8207 to 8000, I must

9. To get from 3976 to 8000, I must

If my target number is 2100, what must I do to each number on the third row?

10. To get from 3175 to 2100, I must

11. To get from 6629 to 2100, I must

12. To get from 5736 to 2100, I must

13. To get from 9372 to 2100, I must

TUESDAY: Counting Stick

1. Fill in the missing numbers.

9									90

2. Fill in the missing numbers.

7									70

3. Fill in the missing numbers.

5									50

4. Fill in the missing numbers.

6									60

5. Fill in the missing numbers.

12									39

6. Fill in the missing numbers.

27									108

7. Fill in the missing numbers.

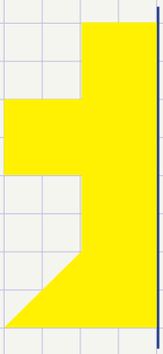
12									66

8. Fill in the missing numbers.

25									70

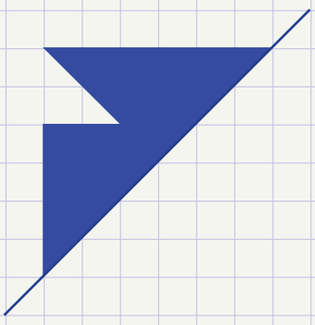
Complete the symmetrical image of each of the following shapes.

A.

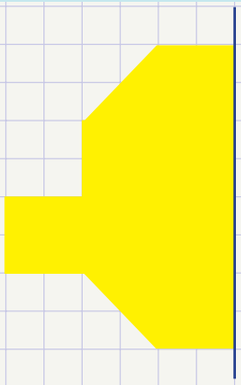


B.

C.

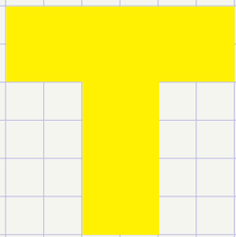


D.

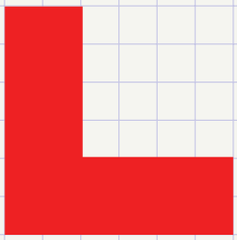


Draw in the line of symmetry for each of the following shapes.

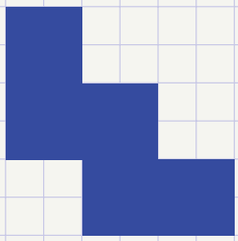
A.



B.



C.



D.

Complete the symmetrical image for each of the following shapes. Then name the shapes. Finally, draw in any other lines of symmetry these shapes have and write the total number of lines of symmetry for each shape.

A.

B.

A. Name of shape = _____

Total number of lines of symmetry = _____

B. Name of shape = _____

Total number of lines of symmetry = _____

WEEK 1

THURSDAY: Addition

Example: 2513 + 4352 = ?
Change both numbers into thousands, hundreds, tens and units
2000 + 4000 = 6000
500 + 300 = 800
10 + 50 = 60
3 + 2 = 5
6000 + 800 + 60 + 5 = 6865

1. 4172 + 3714 = ?

4000 + 3000 = ☐
100 + ☐ = ☐
70 + ☐ = ☐
2 + ☐ = ☐
☐ + ☐ + ☐ + ☐ = ☐

2. 6354 + 3235 = ?

6000 + ☐ = ☐
300 + ☐ = ☐
50 + ☐ = ☐
4 + ☐ = ☐
☐ + ☐ + ☐ + ☐ = ☐

3. 5238 + 2451 = ?

☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ + ☐ + ☐ = ☐

4. 4062 + 3517 = ?

☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ + ☐ + ☐ = ☐

5. 3462 + 6034 = ?

☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ = ☐
☐ + ☐ + ☐ + ☐ = ☐

FRIDAY: Challenge

1.
264 + 325 = ☐

2. Make €1.77

○ ○ ○ ○ ○

3. What is ⅓ of 24?

☐

4. Write the time shown in digital form.

☐ : ☐

5.
847 - 233 = ☐

6. What is ⅜ of 56?

☐

7.
(5 x 9) + 7 = ☐

8. What is the perimeter of the rectangle?

7cm

☐ cm ■ 4cm

9.

$$\frac{36}{100} = \frac{\square}{10} + \frac{\square}{100}$$

10. If ⅕ of a number is 8, what is the number?

☐

11. If Dave leaves school at 2:50 and arrives home 35 minutes later, what time does he arrive home?

☐ : ☐

12.

$$4\overline{)37}$$

☐ R ☐

WEEK 2

MONDAY: Target Boards

3526	6243	4390	5735
5489	6142	7338	2422
6228	2655	2045	3107

If my target number is 4000, what must I do to each number on the first row?

1. To get from 3526 to 4000, I must _____

2. To get from 6243 to 4000, I must _____

3. To get from 4390 to 4000, I must _____

4. To get from 5735 to 4000, I must _____

5. What is the sum of the biggest and smallest numbers on the first row? _____

6. What is the sum of the biggest and smallest numbers on the second row? _____

7. What is the sum of the biggest and smallest numbers on the third row? _____

8. What is the sum of the biggest and smallest numbers on the first column? _____

9. What is the sum of the biggest and smallest numbers on the second column? _____

10. What is the sum of the biggest and smallest numbers on the third column? _____

11. What is the difference between the biggest and smallest numbers on the fourth column? _____

TUESDAY: Counting Stick

1. Fill in the missing numbers.

80									8

2. Fill in the missing numbers.

40									4

3. Fill in the missing numbers.

90									9

4. Fill in the missing numbers.

60									6

5. Fill in the missing numbers.

39									12

6. Fill in the missing numbers.

96									24

7. Fill in the missing numbers.

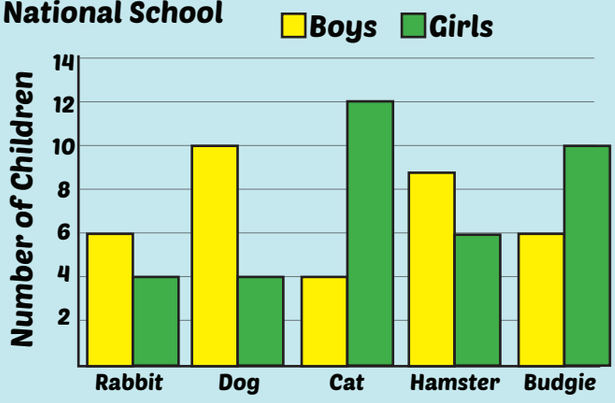
56									20

8. Fill in the missing numbers.

72									18

This is a multiple bar chart. It shows information for two groups of people – the boys and girls in Carnmore National School. Look at the chart and then complete the table.

Number of Boys and Girls in Carnmore National School

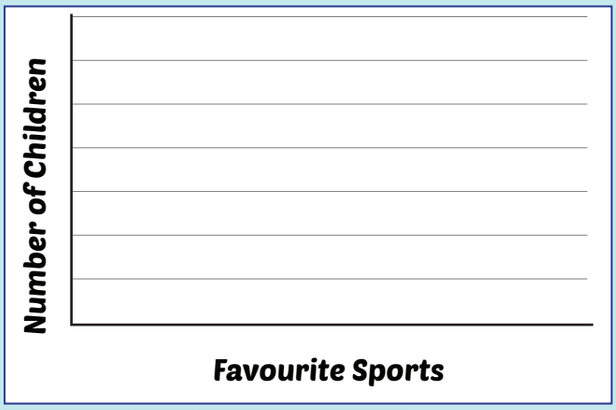


Pets	Boys	Girls	Total
Rabbit	6	4	
Dog			
Cat			
Hamster			
Budgie			

Use the information in the table below to create a multiple bar chart showing the favourite sports of the boys and girls in Ballybeg National School.

Sports	Boys	Girls	Total
Football	14	10	24
Hurling	12	6	18
Athletics	8	12	20
Swimming	5	9	14
Gymnastics	8	12	20

Number of Boys and Girls in Ballybeg National School



Survey the pupils in your classroom. Find out the numbers of boys and girls who have summer, autumn, winter and spring birthdays and input your results into the table below. Then create a multiple bar chart to represent the data.

Seasons	Boys	Girls	Total
Summer			
Autumn			
Winter			
Spring			

WEEK 2

THURSDAY: Addition:

Example: 5318 + 1241 = ?
Change the second number into thousands, hundreds, tens and units

5318 + 1000 = 6318
6318 + 200 = 6518
6518 + 40 = 6558
6558 + 1 = 6559

1. 2673 + 3125 = ?

2673 + 3000 = ____
____ + 100 = ____
____ + 20 = ____
____ + 5 = ____

2. 3827 + 5132 = ?

3827 + 5000 = ____
____ + 100 = ____
____ + 30 = ____
____ + 2 = ____

3. 1645 + 7323 = ?

1645 + 7000 = ____
____ + 300 = ____
____ + ____ = ____
____ + ____ = ____

4. 5304 + 2413 = ?

5304 + 2000 = ____
____ + ____ = ____
____ + ____ = ____
____ + ____ = ____

5. 6027 + 2632 = ?

6027 + ____ = ____
____ + ____ = ____
____ + ____ = ____
____ + ____ = ____

6. 4433 + 5345 = ?

4433 + ____ = ____
____ + ____ = ____
____ + ____ = ____
____ + ____ = ____

7. 4016 + 3642 = ?

4016 + ____ = ____
____ + ____ = ____
____ + ____ = ____
____ + ____ = ____

8. 7203 + 2545 = ?

7203 + ____ = ____
____ + ____ = ____
____ + ____ = ____
____ + ____ = ____

FRIDAY: Challenge

1.
352 + 516 = ____

2. Make €2.28

3. What is ⅐ of 42?

____

4. Write the time shown in digital form.

____ : ____

5.
675 - 341 = ____

6. What is ⅝ of 64?

____

7.
(6 x 8) + 9 = ____

8. What is the perimeter of the rectangle?

____ cm

9.
$\frac{72}{100} = \frac{\square}{10} + \frac{\square}{100}$

10. If ⅙ of a number is 7, what is the number?

____

11. If Bronagh starts her dinner at 4:52 and finishes 25 minutes later, what time does she finish her dinner?

____ : ____

12.

$6\overline{)45}$

____ R ____