



5TH
CLASS

MENTAL MATHS



WEEK 1

TUESDAY

1. Colour the number that comes just before **blue** green.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

2. Colour the number that comes just after **purple** red.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

3. Colour the number that comes before **purple** blue.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

4. Colour the number that comes between **purple** and **blue**.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

5. Colour the missing numbers.

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

6. Fill in the missing number.

7	8	
---	---	--

7. Fill in the missing number.

11		8
----	--	---

8. Fill in the missing number.

	9	8
--	---	---

9. Fill in the missing number.

4	6	8
---	---	---

10. Fill in the missing number.

10	8		4
----	---	--	---

WEDNESDAY

1. Look at all the numbers on the third line. My target number for the third line is 11.

7	11	14	6
1	16	5	9
17	12	15	2
10	8		

2. What must I take away from 11 to reach 10?

3. What must I take away from 14 to reach 10?

4. What must I add to 6 to reach 10?

5. Take away the smallest number on the first line from the biggest number on the first line.

6. Look at all the numbers on the third line. My target number for the third line is 11.

7. What must I take away from 11 to reach 10?

8. What must I take away from 11 to reach 10?

9. What must I add to 2 to reach 11?

10. What two numbers on the fourth line can you add to make 11?

11. Put the numbers on the second column in order starting with the smallest.

12. Make an addition number sentence using three of the numbers on the first column.

THURSDAY

1. $5 + 4 =$

2. $6 + 4 =$

3. $4 + 7 =$

4. $6 + 5 =$

5. $7 + 5 =$

6. $11 - 4 =$

7. Tim has 11 apples. He gives away 4. How many has he left?

8. Ming has 11 sweets and gives away 4. How many has she left?

9. Jade has 12 marbles and gives away 5. How many has she left?

10. Sean has 12 stickers and gives away 5 of them. How many has he left?

11. $5 + = 11$

12. What time is it?

13. What day is the last day of September?

14. How many faces has a cuboid?

15. $43 + 20 =$

16. Draw a circle around half the tennis balls.

17. $18 - = 10$

18. How many dots altogether?

19. How many more dots to make 20?

20. What number is 6 more than 14?

21. T U
5 4
- 2 3

22. Cody has 14 socks. 3 pairs of them are white. The rest are black. How many black socks does Cody have?

23. $3 + 7 + 8 =$

24. How much altogether?

FRIDAY CHALLENGE

1. Colour the number that comes just before **blue** green.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

2. Colour the number that comes just after **purple** red.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

3. Colour the number that comes before **purple** blue.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

4. Colour the number that comes between **purple** and **blue**.

2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	----	----	----

5. Colour the missing numbers.

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

6. Fill in the missing number.

7	8	
---	---	--

7. Fill in the missing number.

11		8
----	--	---

8. Fill in the missing number.

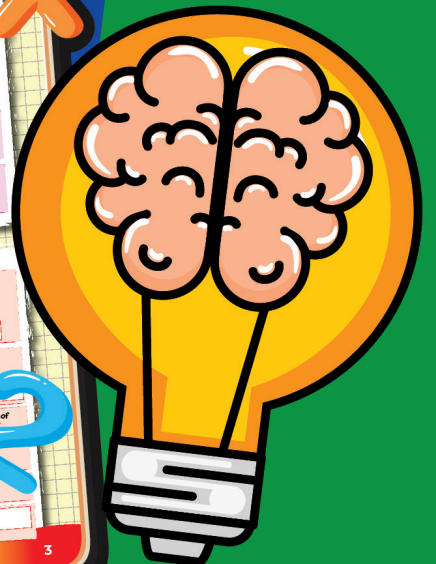
	9	8
--	---	---

9. Fill in the missing number.

4	6	8
---	---	---

10. Fill in the missing number.

10	8		4
----	---	--	---



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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.

WEEK 1

3	7	9	2
1	10	8	6
11	4	0	5

MONDAY: Target Boards

- How many numbers are on the first row?
- What is the biggest number on the first row?
- What is the smallest number on the first row?
- Put the numbers on the first row in order starting with the smallest:

- What is the biggest number on the second row?
- What is the smallest number on the second row?
- Put the numbers on the second row in order starting with the smallest:
- What is the biggest number on the third row?
- Put the numbers on the third row in order starting with the smallest:
- What is the biggest number on the Target Board?

1 2 3 4 5 6 7 8 9 10

TUESDAY: Counting Stick

- Colour the number four green.
- Colour the number seven red.
- Colour the number three blue.
- Colour the number nine orange.
- Fill in the missing number.
 4 7

- Fill in the missing number.
 6 8 9
- Fill in the missing number.
 4 5 6
- Fill in the missing numbers.
 3 4
- Fill in the missing numbers.
 5 7
- Fill in the missing numbers.
 8 10

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.

WEEK 1

It is Saturday morning. Danny wakes up and looks at the clock. It is time to get up. Today his Dad is taking him to the beach.



1. What day will it be tomorrow?
2. What day was it yesterday?
3. What time does Danny get up?

5. How old is Danny?

6. How many books does Danny put in the bag?
7. How many books does Danny bring for Sarah?

At the beach, Danny sees 5 boys and 2 girls paddling in the water. Sarah and Danny go into the water too. The water is lovely and warm. They play ball games with the other children. When they come out of the water, it is 3 o'clock. They have been in the water for 2 hours. They are tired but have had a great day at the beach.



Danny packs his bag. His sister is coming too. His sister is 2 years older than Danny. She is called Sarah and is 8 years old. Danny and Sarah like reading. Danny puts 7 books in the bag, 3 books for himself and the rest are for Sarah. They will read the books in Dad's car on the way to the beach.



4. How old is Sarah?

8. How many children does Danny see paddling in the water?

9. When Sarah and Danny go into the water, how many children are in the water then altogether?

10. At what time did Danny and Sarah go into the water?

WEEK 1

1. $4 + 2 = \square$
2. $5 + 3 = \square$
3. $2 + 5 = \square$
4. $3 + 6 = \square$
5. $6 + 2 = \square$

6. Ann has 5 crayons and Mike has 2 crayons. How many crayons altogether?
 $\square + \square = \square$
7. Peter has 4 books and Kate has 3 books. How many books altogether?
 $\square + \square = \square$
8. Barry has 2 balloons and Harry has 4 balloons. How many balloons altogether?
 $\square + \square = \square$
9. Maria has 5 flowers and Jess also has 5 flowers. How many flowers altogether?
 $\square + \square = \square$
10. Dara and Ben walk along the beach. Dara gathers 4 shells and Ben gathers 5 shells. How many shells do they gather altogether?
 $\square + \square = \square$

THURSDAY: Addition Activities

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.

1. It is \square O'Clock
2. The number \square comes just before 7
3. What number comes next?
5 6 7 8 \square
4. Dan has 3 pencils and Pam has 4 pencils. How many pencils altogether?
 \square
5. Draw a circle around the person who has 10?
 $3+6$ $4+4$ $7+3$
6. Circle the heavier one.
7. $4 + 4 = \square$
8. Who has more?
9. $5 + \square = 10$
10. There are \square dogs altogether.
11. A rectangle has \square sides.
12. Colour 6 circles
13. True or False. 8 comes just before 7?
 \square
14. $2 + \square = 8$

FRIDAY: Challenge

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.



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

MONDAY: Target Boards

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
----	--	--	--	--	--	--	--	--	--	----

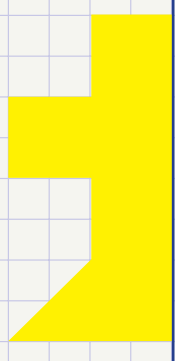
TUESDAY: Counting Stick





Complete the symmetrical image of each of the following shapes.

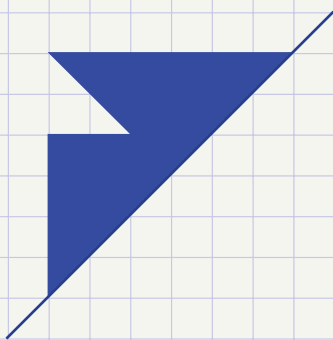
A.



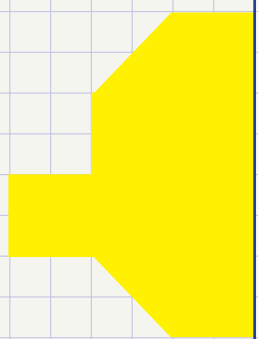
B.



C.

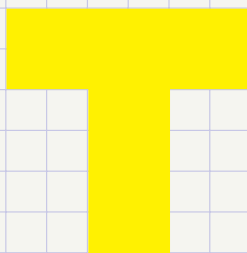


D.

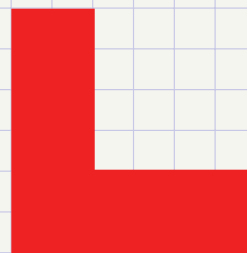


Draw in the line of symmetry for each of the following shapes.

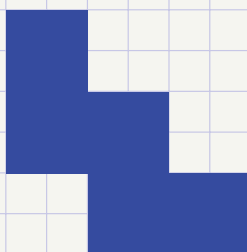
A.



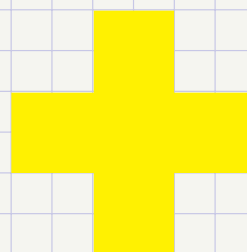
B.



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 =





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. $4172 + 3714 = ?$

$4000 + 3000 = \square$

$100 + \square = \square$

$70 + \square = \square$

$2 + \square = \square$

$\square + \square + \square + \square = \square$

2. $6354 + 3235 = ?$

$6000 + \square = \square$

$300 + \square = \square$

$50 + \square = \square$

$4 + \square = \square$

$\square + \square + \square + \square = \square$

3. $5238 + 2451 = ?$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square + \square + \square = \square$

4. $4062 + 3517 = ?$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square + \square + \square = \square$

5. $3462 + 6034 = ?$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square = \square$

$\square + \square + \square + \square = \square$

THURSDAY: Addition

1. $264 + 325 = \square$

2. Make €1.77

3. What is $\frac{1}{5}$ of 24?

\square

4. Write the time shown in digital form.



$\square : \square$

5. $847 - 233 = \square$

6. What is $\frac{3}{8}$ of 56?

\square

7. $(5 \times 9) + 7 = \square$

8. What is the perimeter of the rectangle?



\square cm \square cm

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

10. If $\frac{1}{5}$ of a number is 8, what is the number?

\square

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

$\square : \square$

12.

$4 \overline{) 37}$

\square R \square

FRIDAY: Challenge





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
----	--	--	--	--	--	--	--	--	--	----

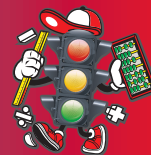
7. Fill in the missing numbers.

56										20
----	--	--	--	--	--	--	--	--	--	----

8. Fill in the missing numbers.

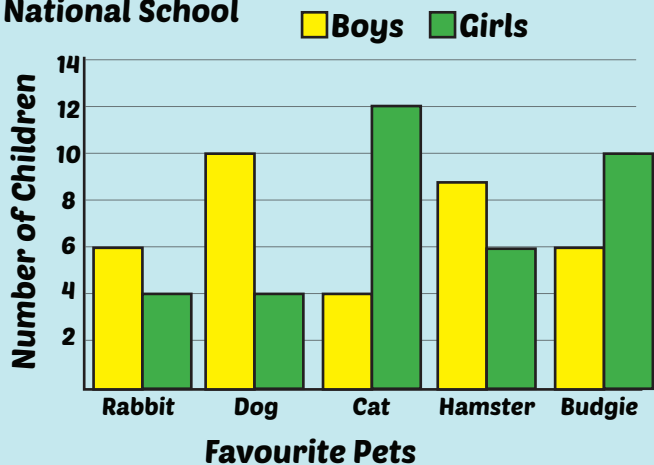
72										18
----	--	--	--	--	--	--	--	--	--	----





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

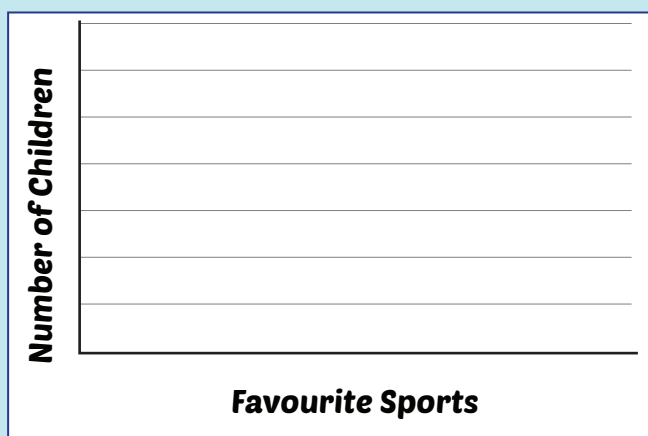


Pets	Boys	Girls	Total
Rabbit	6	4	
Dog			
Cat			
Hamster			
Budgie			

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			





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 $\frac{1}{7}$ of 42?

4. Write the time shown in digital form.

:

5. $675 - 341 =$

6. What is $\frac{5}{8}$ of 64?

7. $(6 \times 8) + 9 =$

8. What is the perimeter of the rectangle?

cm 9cm 3cm

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

10. If $\frac{1}{6}$ 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

