New Wave Mental Maths

1st Class

REVISED EDITION

SAMPLE - NOT FOR SALE

THURSDAY

The eyes are **below** **on top of** the fence.

Colour the numbers that come before 20.

11 23 9 14

Take 4 fish away.
How many are left? _____

Complete the table.

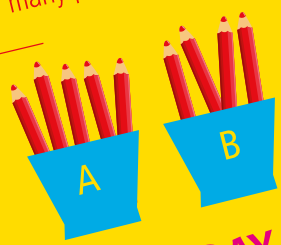
	How many?
Triangles	2
Squares	
Rectangles	
Total	

PROBLEM-SOLVING

MONDAY

Pat took away 3 pencils from Pot A and 2 pencils from Pot B. How many pencils are left?

_____

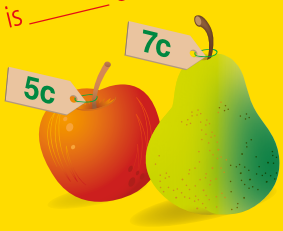


TUESDAY

A bucket can hold 10 litres. Half of it was filled with water. How many litres of water are in the bucket? _____

WEDNESDAY

The cost of a pear and an apple is _____ c.



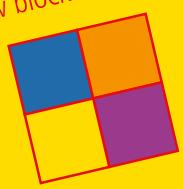
THURSDAY

Use 2, 3, 4 and 6 to make 9 across and down.

FRIDAY REVIEW

How many birds? _____

Tick the block on top of the yellow block.



There are 2 bowls with 4 apples in each bowl. How many apples altogether? _____

Colour the right arrow.

Tick the widest ice cream.

Tick the odd one out.

Colour the numbers that come after 20.

12 21 17 29

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Eddy Krajcar

FOREWORD

New Wave Mental Maths is a series of seven pupil workbooks, written to provide a comprehensive and structured daily mental maths programme for classes from Senior Infants to 6th Class. All strands and strand units of the mathematics curriculum are covered. The series has been updated and revised. Contemporary colour and appealing artwork have been added. Question types have been revised, reworded or rewritten. New to this edition is the inclusion of a separate problem-solving column in each week's unit of work, to enable teachers to focus on specific problem-solving skills and strategies.

New Wave Mental Maths is designed to:

- provide complete coverage of all mental maths-related strands and strand units of the mathematics curriculum;
- encourage and develop mental calculation concepts and skills;
- constantly revise the different strands and strand units;
- develop and reinforce problem-solving strategies;
- develop and maintain speed of recall; and
- introduce, practise and consolidate a range of mathematical vocabulary and language.

Assessment activities are provided for pupils to assess, monitor and record their own performance on a weekly basis. A separate ***Teachers Manual*** is available to accompany the ***New Wave Mental Maths*** series. This manual contains guidelines to help develop mental strategies; suggestions for classroom use; assessment material; list of concepts developed and answers for all the pupil workbooks.

CONTENTS

Pupil Record Sheet ..... iv–v
Week 1 2–3
Week 2 4–5
Week 3 6–7
Week 4 8–9
Week 5 10–11
Week 6 12–13
Week 7 14–15
Week 8 16–17
Week 9 18–19
Week 10 20–21
Week 11 22–23
Week 12 24–25
Week 13 26–27
Week 14 28–29
Week 15 30–31
Week 16 32–33
Week 17 34–35
Week 18 36–37
Week 19 38–39
Week 20 40–41
Week 21 42–43
Week 22 44–45
Week 23 46–47
Week 24 48–49
Week 25 50–51
Week 26 52–53
Week 27 54–55
Week 28 56–57
Week 29 58–59
Week 30 60–61
Week 31 62–63
Week 32 64–65
Week 33 66–67
Week 34 68–69
Week 35 70–71
Week 36 72–73
Week 37 74–75
Week 38 76–77
Week 39 78–79
Week 40 80–81
Maths Facts 82–84

SAMPLE - NOT FOR SALE

THURSDAY

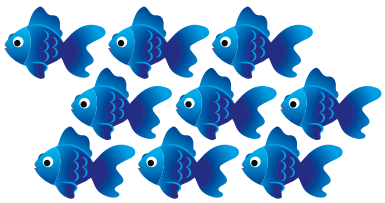
1. How many ? _____
2. How many ? _____
3. How many and altogether?

   _____

4. 8 + 1 = _____
5. 9 – 1 = _____
6. The eyes are **below** **on top of** the fence.

7. Tick the odd one out.

8. Take 4 fish away. How many are left? _____



9. Complete the table.

	How many?
Triangles	2
Squares	
Rectangles	
Total	

10. Colour the numbers that come before 20.

(11) (23) (9) (14)

PROBLEM-SOLVING

Monday

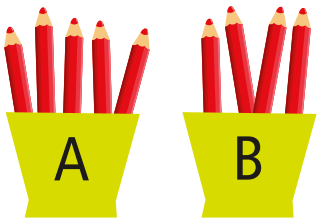
What coin is needed to make 5c?

_____ c

Tuesday

Pat took away 3 pencils from Pot A and 2 pencils from Pot B. How many pencils are left?

_____



Wednesday

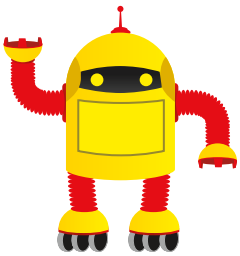
Ava has 3 marbles. Tim has 4 marbles. How many marbles have they altogether?

_____

Thursday

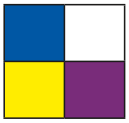
A toy robot has two feet. It has 3 wheels under each foot. How many wheels altogether?

_____

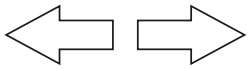


FRIDAY REVIEW

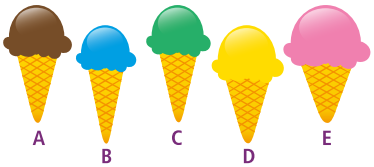
1. Tick the block on top of the yellow block.



2. Colour the **right** arrow.



3. 7 – 1 = _____
4. Tick the widest ice cream.

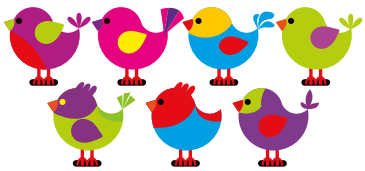


5. Tick the odd one out.

6. Colour the numbers that come after 20.

(12) (21) (17) (29)

7. 5, 6, 7, _____, _____, 10
8. 6 + 1 = _____
9. How many birds? _____



10. How many dogs? _____

11. Match.

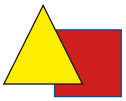
1	three
2	one
3	two
4	four

12. There are 2 bowls with 4 apples in each bowl. How many apples altogether?

_____

SAMPLE - NOT FOR SALE

THURSDAY

1.  The square is

(a) in front of the triangle. ☐

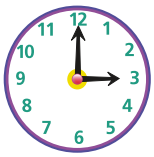
(b) behind the triangle. ☐

2. Match.

eighteen	20
nineteen	18
twenty	19

3. _____ o'clock

or _____.00

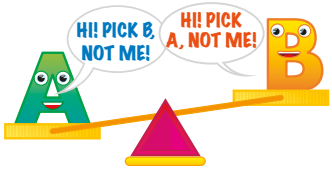


4. 5 + 5 = _____

5. 10 – 5 = _____

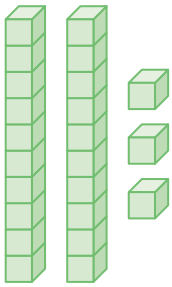
6. Which letter is heavier?

_____



7.

= _____ c

8.  = _____

9. 4 + 4 + 2 = _____

10. Circle the cup which holds the least.

A B C

PROBLEM-SOLVING

Monday

Dee has 15 marbles. She got a bag. She put 10 marbles into the bag. How many marbles are not in a bag?

_____

Tuesday

Tom wrote the number 8. Jill wrote the number that is 10 more than Tom's number. What number did Jill write?

_____

Wednesday

ruler	8c	pen	4c
marker	5c	pencil	5c

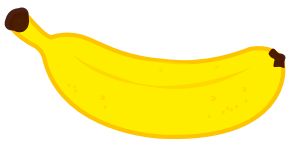
Laura has . She wants to buy a ruler and a pencil. Does she have enough money?

☐ Yes ☐ No

Thursday

There were 8 bananas in a bowl. Later there were 3. How many were taken?

_____



FRIDAY REVIEW

1. Which month is after February (January or March)?

_____

2. Colour the square underneath the triangle.

A	B	C	D	E
□	□	△	○	△
○	△	□	△	○

3. Draw squares to make 14.

4. 3 + 7 = _____

5. 10 – 4 = _____

6. Put these numbers in order.

7 2 23 16 31

2, _____, _____, _____, _____

7. Match.

15	seventeen
17	fifteen
19	nineteen

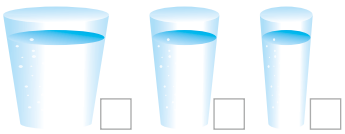
8. _____ o'clock

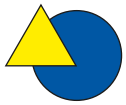
or _____.00

9. 38, 39, _____, 41

10. 1st, 2nd, _____, 4th, 5th

11. Tick which glass holds the least.



12.  The triangle is

(a) in front of the circle. ☐

(b) behind the circle. ☐

SAMPLE - NOT FOR SALE

Week 8

MONDAY

1. Colour the number that is the same as 30 + 6.

3 6 63 36 9

2. 5 + 6 = _____

3. Draw 3 circles in a line. Colour the middle one.

4. 11 – 6 = _____

5. _____ o'clock

or _____.00

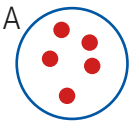
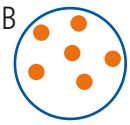
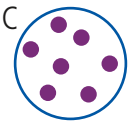
6. Which month comes after March?

☐ May ☐ April

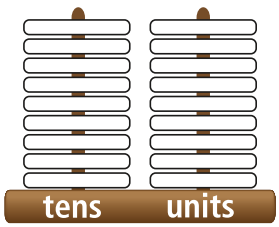
7.

8. 2, 4, 6, 8, _____

9. Which circle has the same as 8 take away 2? _____

A  B  C 

10. Colour the number 39 on the abacus.



TUESDAY

1. _____ o'clock

or _____.00

2. Draw a square on top of a semicircle.

3. 4 + 7 = _____

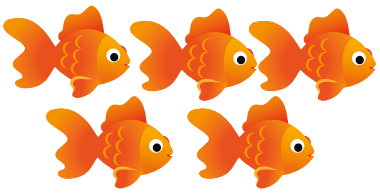
4. 11 – 4 = _____

5. Colour the month after April.

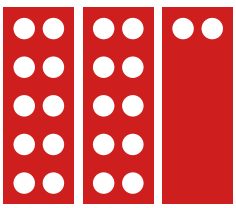
June	April	May

6. A lorry is
   - less than 1 metre long. ☐
   - about 1 metre long. ☐
   - more than 1 metre long. ☐

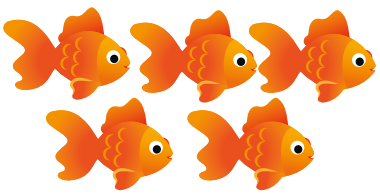
7. How many more to make 8 fish? _____



8. Tuesday is the **2nd** **3rd** **4th** day of the school week.

9.  = _____

10. How many more to make 7 fish? _____



WEDNESDAY

1. Draw a triangle under a circle.

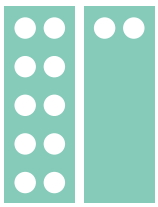
2. Colour the month after May.

June	April	July

3. 8 + 3 = _____

4. 11 – 8 = _____

5. Draw dots to make 20.

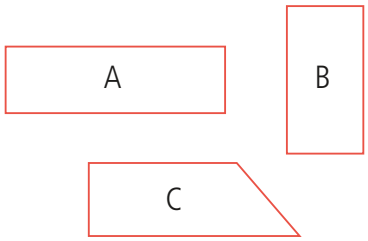


6. 48, 49, _____, _____, 52, 53

7. How many days is it until next Wednesday?

_____

8. Which shape is not a rectangle? _____



9. ← 18 | 19 | 20 | 21 | 22 →

20 – 1 = _____

10. _____ o'clock

or _____.00

SAMPLE - NOT FOR SALE

THURSDAY

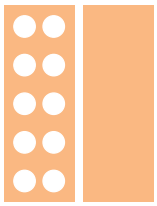
1. ← 28 | 29 | 30 | 31 | 32 →

   30 – 1 = _____

2. Which month comes after June?

   ☐ July ☐ August

3. Draw dots to make 18.



4. 11 – 10 = _____

5. _____ o'clock

   or _____.00

6. Draw a coin to make 10c.

7. A ruler is

   less than 1 metre long. ☐

   about 1 metre long. ☐

   more than 1 metre long. ☐

8. The missing number from 1 to 10 is _____.

   5 3 8 1 7

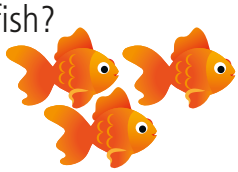
   10 4 2 6

9. Colour the 4th day of the school week.

Monday	Friday
Thursday	Tuesday

10. How many more to make 7 fish?

    _____

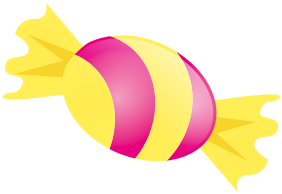


PROBLEM-SOLVING

Monday

Ava had 5 more sweets than Mia's 2 sweets. How many sweets did Ava have?

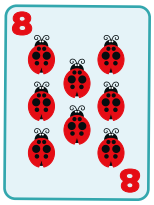
_____



Tuesday

Numbers 3 and 8 are missing from a pack of 10 cards. How many cards are left?

_____



Wednesday

Joe, Mary and Bill had a race. Mary came 1st. Bill was faster than Joe. Who came 3rd?

_____

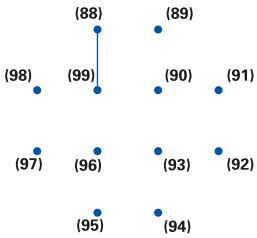
Thursday

The office had 8 phones. 3 were ringing. How many were silent?

_____

FRIDAY REVIEW

1. Join the dots.



2. Draw a circle above a semicircle.

3. 58, 59, _____, 61, 62

4. 3 + 8 = _____

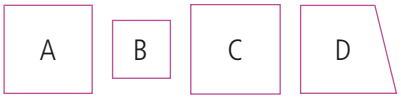
5. 11 – 3 = _____

6. _____ o'clock

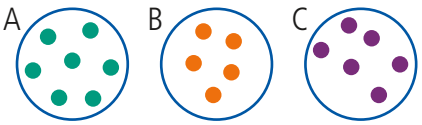
   or _____.00

7.

8. Which shape is not a square? _____



9. Which circle has the same as 9 take away 3? _____



10. Colour the 3rd day of the school week.

Monday	Friday	Wednesday

11. 10 – 1 = _____

12. = _____ c

SAMPLE - NOT FOR SALE

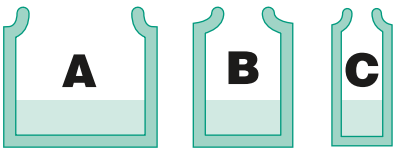
Week 9

MONDAY

1. 11 – 3 = _____

2. Which jar holds the least amount of water?

_____

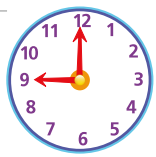


3. 4 + 6 = _____

4. 10 – 4 = _____

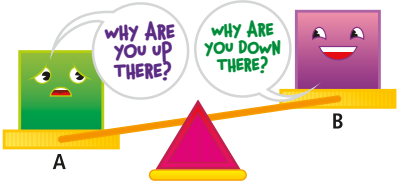
5. _____ o'clock

or _____.00



6. Which box is lighter?

_____



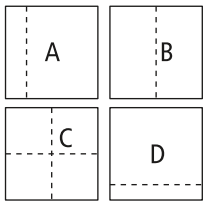
7. June, July,

October	August

8. Match.

5	2 + 5 + 1
8	3 + 6 + 1
10	2 + 1 + 2

9. Tick the sheet of paper that has been folded in half.



10. _____ 10 _____

before between after

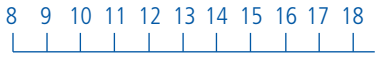
TUESDAY

1. _____ o'clock

or _____.00

2. Start on 8. Count on in 2s four times. What number are you on?

_____



3. _____ 20 _____

before between after

4. 7 + 3 = _____

5. 10 – 3 = _____

6. The number at A is

_____.

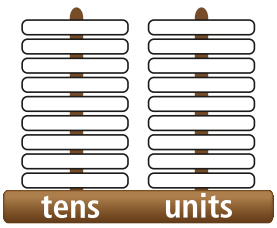
7. The number at B is

_____.

8. How many coins will make 10c? _____

9. Tick the tallest hat.

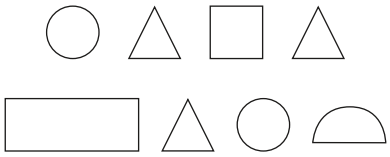
10. Colour the number 29 on the abacus.



WEDNESDAY

1. 8 + 3 = _____

2. Colour the shapes with curved lines.



3. 10, 20, 30, _____

4. Which block is under green?

☐ orange ☐ purple

5. 5 + 5 = _____

6. 10 – 5 = _____

7. To go to Dublin, turn

☐ left. ☐ right.

8. To go to Cork, turn

☐ left. ☐ right.

9. The closer city to travel to is

☐ Cork. ☐ Dublin.

10. _____o'clock

or _____.00

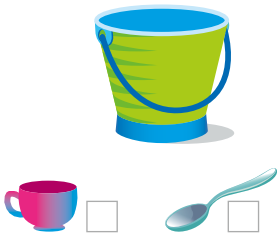
SAMPLE - NOT FOR SALE

THURSDAY

1. ← 48 | 49 | 50 | 51 | 52 →

   50 – 1 = _____

2. Which of these would better fill a bucket with water?



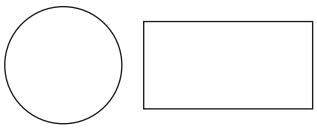
3. _____ o'clock

   or _____.00

4. 16 has _____ ten and

   _____ units.

5. Colour half of each shape.

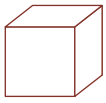


6. 5, 10, 15, _____

7. Write fourteen. _____

8. 3 + 8 = _____

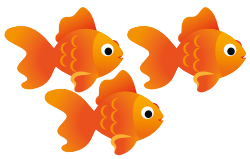
9. This is a



   ☐ square. ☐ rectangle.

   ☐ sphere. ☐ cube.

10. Add 8 more = _____

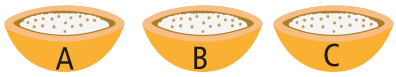


PROBLEM-SOLVING

Monday

6 spoonfuls of porridge are shared equally among the 3 bowls. How many spoonfuls are in each bowl?

_____



Tuesday

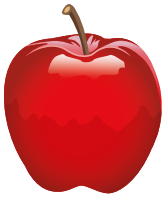
Fiona had 3 small boxes. In each box, she hid 5 sweets. How many sweets had Fiona altogether?

_____

Wednesday

Apples cost 10c each. Alex spent 50c. How many apples did he buy?

_____



Thursday

1st Class had 8 computers. 2nd Class had 3 more computers than 1st Class. How many computers had 2nd Class?

_____

FRIDAY REVIEW

1. 50 + 1 = _____

2. Which of these would better fill a bath with water?

3. August comes after

   June. ☐ July. ☐

4. _____ o'clock

   or _____.00

5. 2 + 5 = _____

6. Write nineteen. _____

7. 11 – 3 = _____

8. 24 has _____ tens and

   _____ units.

9. 10, 15, _____, 25

10. Start on 12. Count on in 2s three times. What number are you on?

    _____

    12 13 14 15 16 17 18 19

11. Liam has 4 marbles in one bag and 4 marbles in another. How many marbles has he altogether?

    _____

12.

    = _____ c

SAMPLE - NOT FOR SALE