

2nd Class Maths

Remote Learning Weeks 3&4

April 27th – May 8th 2020

A Menu of Work



Week 3: Area & Revision of fractions

Parents, here's what we would like your boys to be able to do by the end of this week;

- Estimate and measure area using non-standard units how many playing-cards, postcards or workbooks cover the table? Which shape is the most suitable?
- Measure the area of the same surface several times with different units. Which surface has more wood, the table-top or the window-sill? Children suggest ways of finding out estimate, discuss, measure and record.
- The child should be enabled to establish and identify halves and quarters of sets to 20 discuss relationship between a half and a quarter.



Mental Maths

- **Master My Maths:** If you have it at home and complete one double page each week using the Monday- Thursday sections. Then on Fridays, choose the next test in the back section of the book.
- **Figure it Out:** If you have this at home, there are several 'Mental Problems' sections throughout the book. Do 6 questions each day.
- **I have none of these at home!** Try the word problems from the next slide. You can do one each day, or try the challenge problems at the end of this file.



Word Problems 1

| Day | Daily Problem | Number Sentence & Answer |
|-----------|--|--------------------------|
| Monday | Tom had 7 marbles. Sam gave him 5 more marbles. How many marbles does Tom have now? | |
| Tuesday | Niamh has 19 flowers. She gave 4 of them to Ruby. How many flowers does Niamh have now? | |
| Wednesday | There were 12 birds in a tree. 4 more birds came along to join them. How many birds are in the tree? | |
| Thursday | Jake ate 4 slices of pizza. Mary ate 5 slices of pizza. How many slices of pizza were eaten? | |
| Friday | Sophia collected 17 sea shells. She gave 5 of them to Amy. How many sea shells does Sophia have now? | |



Area

Area is the size of a surface.

For example, a table top, the floor, school books, grass in a garden...

We measure area with **square units**.

However, we can also measure area with other things too.



Activity 1: Area of Your Name

Using this squared paper, write out your name in squared writing and colour it in.
What is the area of your name? Work it out by counting the squares you coloured in.

Print the following squared paper;
<https://www.twinkl.ie/resource/t-n-4357-1cm-squared-editable-paper>

Or draw some squared paper yourself!



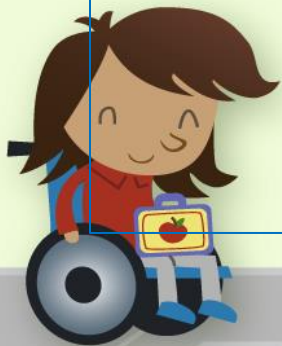
Christopher's name has an area of 143 squares! Each square is 1cm squared.



Activity 2: Shapes

On another piece of squared paper, draw the following shapes;

1. A red rectangle with an area of 10 squares.
2. A green square with an area of 16 squares.
3. A purple rectangle with an area of 6 squares.
4. An orange square with an area of 9 squares.
5. A blue rectangle with area of 6 squares and a 2nd blue rectangle of 12 squares, stuck together to make an L shape.



Activity 2 Questions

1. Which colour shape has the largest area?
2. Which colour shape has the smallest area?
3. Which 2 shapes together would have the same area as the green square?
4. Which colour shape has an area of exactly half of the blue L shape?
5. Challenge! What would the total area of all the of all the shapes added together be? Give your answer in squares.



Activity 3: Area Investigation

We are going to measure the area of your kitchen table. Choose 3 objects such as a book, a lunchbox or a magazine.

Let's find out how many of them would cover your kitchen table!

Don't forget to estimate before you start.

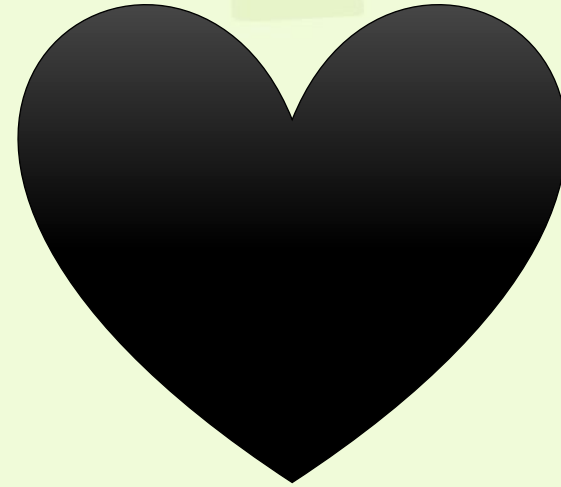
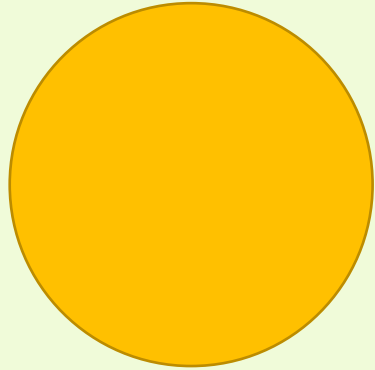
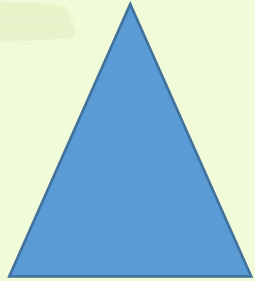
| Object | Estimate | Area |
|--------|----------|------|
| | | |
| | | |
| | | |



Activity 4: True or False?

Look at the shapes below...

Are the following statements about area true or false?




1. The heart covers a larger area than the circle.
2. The circle covers a smaller area than the square.
3. The square and the pentagon have a similar area.
4. The triangle, the square and the pentagon would all fit inside the area of the heart.



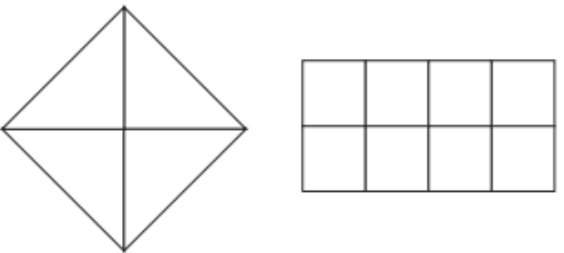
Activity 5: Fraction Revision

Introducing Fractions
Finding Quarters

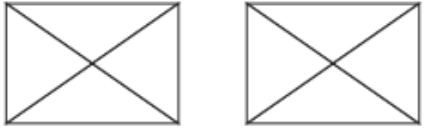
Shade **one quarter** of these shapes.



Shade **one quarter** of these shapes.



Find two ways to shade **one quarter** of this shape.



Let's remind ourselves of halves and quarters.

A fraction is an even piece of something.

$\frac{1}{2}$ is one whole split into 2 equal parts.

$\frac{1}{4}$ is one whole split into 4 equal parts.

$\frac{1}{4}$ is half of $\frac{1}{2}$.

Find $\frac{1}{4}$ of the shapes on this worksheet and colour them in. How many quarters are left uncoloured?

Print link: <https://www.twinkl.ie/resource/t-he-697-introducing-fractions-finding-one-quarter-differentiated-activity-sheet>



Additional work & Textbooks

If you have some of your textbooks at home with you, here are our topic pages. You may have some of these pages finished already or you may not.

Different classes are at different stages of their learning, or perhaps your teacher used different materials to help you learn!

| Topic | Book | Pages |
|-----------|---------------|-------------------|
| Area | Planet Maths | 119-120 & 139-140 |
| | Figure it out | 70 |
| Fractions | Planet Maths | 66-70 |
| | Figure it out | 44-47 |



Week 4: Money & Revision of Rounding

Parents, here's what we would like your boys to be able to do by the end of this week;

- Recognise, exchange and use coins up to the value of €2.
- Write the value of a group of coins; record money amounts as cents.
- Round to the nearest ten by looking at the unit in a number and deciding whether to round up or down.



Word Problems 2

| Day | Daily Problem | Number Sentence & Answer |
|-----------|--|--------------------------|
| Monday | Stephen found 26 coins in his pocket on Monday. He found another 9 coins in his bag on Tuesday. How many coins does Stephen have altogether? | |
| Tuesday | Simon baked 34 cookies in the oven. He ate 23 of them. How many cookies were left? | |
| Wednesday | Sarah counted 48 leaves on the ground. She saw 16 more leaves fall to the ground. How many leaves are now on the ground? | |
| Thursday | There were 27 people on the bus. 7 more people got on the bus. How many people are now on the bus? | |
| Friday | John had 78 sweets. Mark gave him 28 more. How many sweets does John have now? | |



Our Money

In Ireland we use the Euro as our currency.
We have 8 different coins & 7 different notes!
Each has a different colour and size.

Euro coins



one cent
1c



two cents
2c



five cents
5c



ten cents
10c



twenty cents
20c



fifty cents
50c



one euro
€1



two euros
€2

Activity 1: Coin rubbings

Can you find any of these coins around your home?

Using some paper and a crayon, make some coin rubbings by placing the paper on top of the coin and colouring over it with a crayon. Remember to push down hard! The shape and markings of your coin should appear.



Activity 2: Pocket Money

Imagine you are going to Paddy's shop after school on a Friday! Your parents have allowed you 3 coins to buy jellies and other sweets. Lucky you!

Use the worksheet to work out what totals of money you might be able to spend on sweets in Paddy's. Use 3 different coins each time.

- How many totals can you make?
- And which total will you be hoping to spend on yourself?

Print link:

<https://www.twinkl.ie/resource/t-n-1428-adding-euro-coins-worksheet>



Adding Euro Coins Worksheet



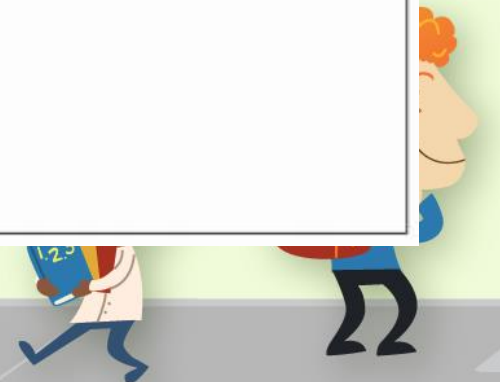
Name: Date:

Using 3 different coins each time, how many totals can you make?



Example:

$$50c + 2c + 5c = 57c$$



Activity 3: Sale!



Flash Sale!

Smyth's Toys are having a flash sale and you have €2 to spend

| | |
|-----------------------|-------------------|
| Giant Jenga 50c | Operation €1 |
| Minecraft €1.50 | Archery set 80c |
| Mini pool table 20c | Giant Teddy €1.25 |
| Harry Potter Lego 30c | Footballs 75c |

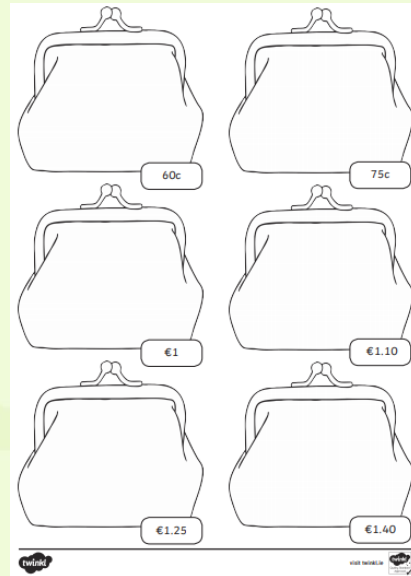
What would you buy?

Find 5 ways you could spend your money up to a total of €2.

Write them in your copy.



Activity 4: How much is in Granny Smith's Purse?



Granny Smith doesn't go anywhere without her purse!

Draw the coins that she might have in her purse each time, making up the total.

You also colour, cut and stick the coins from the following link:

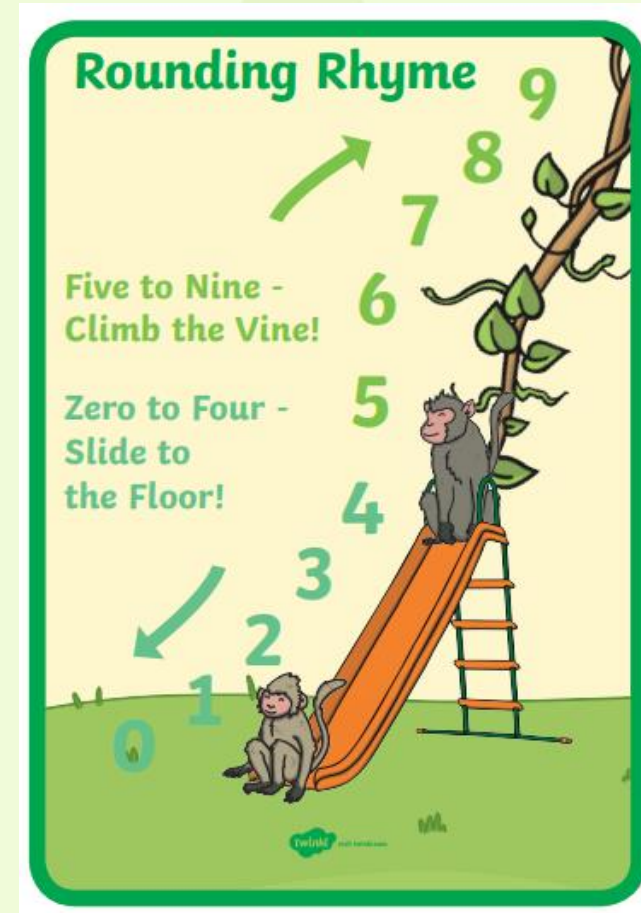
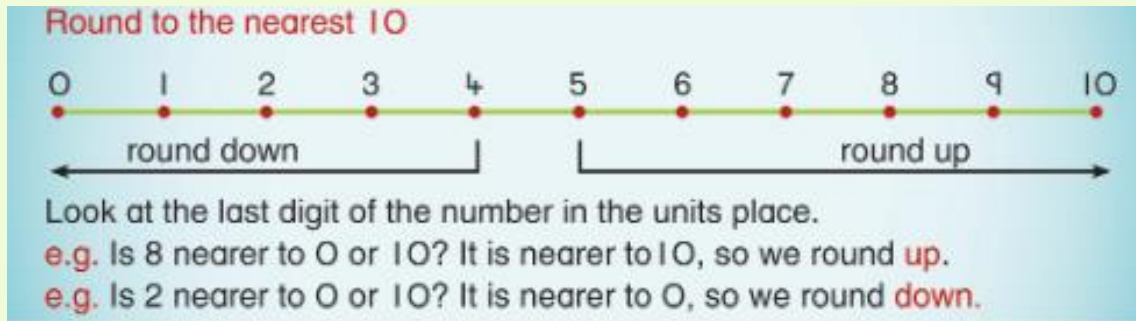
Print link: <https://www.twinkl.ie/resource/roi-n-5585-second-class-cut-and-stick-euro-activity-sheet>



Revision of Rounding/ Estimation

Rounding is when we look for the closest 10 to a number to help us estimate or guess a little more easily.

Look at the following number line from your Planet Maths book. This explains the rules of rounding.



Activity 5

Here are some rounding activities. Use the rounding rules and the rounding rhyme to help you.

Rounding to the Nearest 10
Can you round these two-digit numbers to the nearest 10? Use the number lines to help you.

20 28 30
28 to the nearest 10 = 30

30 40
32 to the nearest 10 = _____

40 50
46 to the nearest 10 = _____

50 60
54 to the nearest 10 = _____

60 70
66 to the nearest 10 = _____

70 80
71 to the nearest 10 = _____

80 90
88 to the nearest 10 = _____

90 100
93 to the nearest 10 = _____

40 50
45 to the nearest 10 = _____

40 50
44 to the nearest 10 = _____

70 80
76 to the nearest 10 = _____

twinkl twinkl.co.uk

Superhero Themed Rounding to 10
Round the numbers below to the nearest 10. The first one has been done for you.

52 → 50 55 → _____

68 → _____ 41 → _____

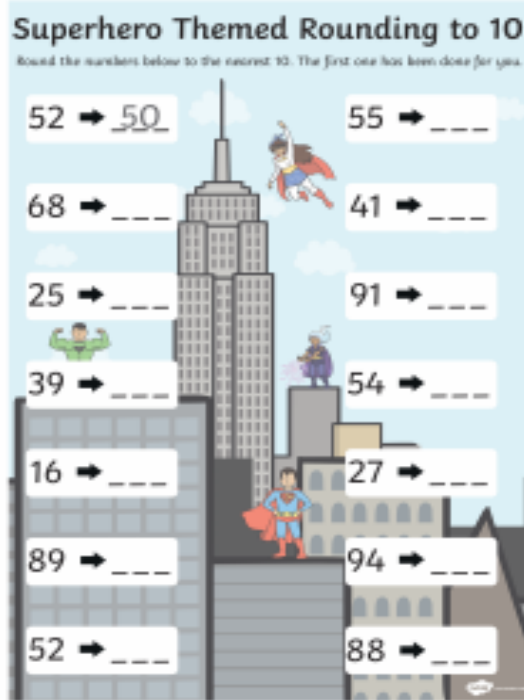
25 → _____ 91 → _____

39 → _____ 54 → _____

16 → _____ 27 → _____

89 → _____ 94 → _____

52 → _____ 88 → _____



Print links:

<https://www.twinkl.ie/resource/cfe2-m-90-rounding-to-10-differentiated-activity-sheets>

<https://www.twinkl.ie/resource/t-t-17271-superhero-themed-rounding-to-10-worksheet>



Additional work & Textbooks

There is no pressure to any of this additional work. We are providing it for anyone who might like some extra work.

| Topic | Book | Pages |
|----------------------|---------------|-------------------|
| Money | Planet Maths | 76-88 & 150-154 |
| | Figure it out | 22-23,30-31,64-65 |
| Rounding/ Estimation | Planet Maths | 86,87 |
| | Figure it out | 20-21 |



Challenge! 2 Step Word Problems

| Day | Daily Problem | Number Sentence & Answer |
|-----------|---|--------------------------|
| Monday | Matthew had 37 Pokemon cards. He got 16 new ones from his aunt and then he gave 25 to his sister. How many does he have in the end? | |
| Tuesday | There were 65 passengers on the Luas to Dublin city centre. The Luas stopped at Stillorgan and 24 people got off and 17 more got on. How many were on the Luas then? | |
| Wednesday | 23 children were playing in Cabinteely Park. 14 more came along. Then 19 had to go home for their lunch. How many were in the park then? | |
| Thursday | Harry and Jake had 45 Lego bricks between them. Harry's brother Ollie stole 29 from the pile. Shortly afterwards his other brother Sam gave them 17 back. How many were left? | |
| Friday | Éoghan made a picture by 36 sticking beads onto a sheet of paper. 27 of them fell off but he managed to stick 19 back on! How many beads survived? | |

