Maths
Year 4

WEEK COMMENCING

13.07.20

Overview for the Week:

Please ONLY complete the work on the day's specified below!					
	Monday	Tuesday	Wednesday	Thursday	Friday
Group A English	Live Lesson- prefixes and suffixes	Homophones	Apostrophes and direct speech	Standard English and improving our writing	Catch up day for this week's work. Don't forget Bug club!
Group A Maths	Coin purse challenge	Mixed measure problems	Live lesson- Sequencing numbers and number patterns	Weight problem solving	Catch up for this week's work.
Group B	Catch up day for last weeks work. Don't forget Bug club!	Live Lesson- prefixes and suffixes	Homophones	Apostrophes and direct speech	Standard English and improving our writing
Group B Maths	Catch up for last week's work.	Coin purse challenge	Mixed measure problems	Live lesson- Sequencing numbers and number patterns	Weight problem solving

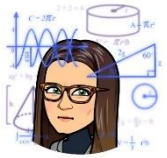

DAY
1

Day 1- Coin Purse Challenges

Task 1- recap:
Please start by completing pages of your 4 & 5 **maths activity pack.**

Task 2-recap:
Now complete pages of the 12 & 13 **times tables activity book**.

Task 3- practice and apply
Now complete a variety of problems on the next few slides, recapping everything we have learnt throughout year 4.



Match the equivalent fractions.

$\frac{1}{2}$	$\frac{9}{12}$	$\frac{2}{5}$	$\frac{2}{10}$	$\frac{3}{6}$
$\frac{4}{10}$	$\frac{2}{8}$	$\frac{1}{5}$	$\frac{1}{4}$	$\frac{3}{4}$

Moving on

I have 8 coins and 3 bags. How many ways can I split the coins so that each bag has at least 1 coin in it?

Bag A	Bag B	Bag C	Total coins

Challenge - investigate

If she only had 3 bags, what is the maximum amount that she could make, including all the amounts up to that amount?

What amount would you need in a fifth bag, to be able to make as many amounts as possible over 15p?

DAY 2

Day 2- Mixed Measure Problems

Task 1- recap:
Please start by completing pages 6 & 7 of your **maths activity pack.**

Task 2-recap:
Now complete pages 14 & 15 of the **times tables activity book**.

Task 3- practice and apply
Now complete a variety of problems on the next few slides, recapping everything we have learnt throughout year 4.

To Start

Match the digital time to the analogue time

6:45 11:05 11:20 3:40 2:25

Pizza Time!

Calculate when the pizzas will be ready. Look at the time now and work out when they will be cooked. One has been done for you.

Pepperoni for Mr French

Time now: 4.15pm
Cooking time: 15 mins
Pizza will be ready: 4.30pm

Hawaiian for Miss Shaw

Time now: 5.12pm
Cooking time: 20 mins
Pizza will be ready: _____

Four Cheeses for Mrs Land

Time now: 7.50pm
Cooking time: 25 mins
Pizza will be ready: _____

Chicken Tikka for Mr Nolan

Time now: 7.05pm
Cooking time: 45 mins
Pizza will be ready: _____

Nice n Spicy for Mr Jones

Time now: 7.55pm
Cooking time: 20 mins
Pizza will be ready: _____

Meat Feast for Miss Jenkins

Time now: 7.55pm
Cooking time: 15 mins
Pizza will be ready: _____

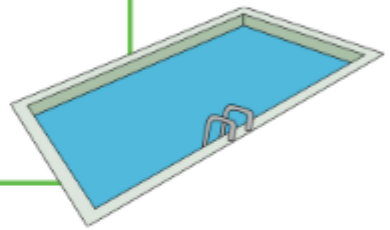
Length!

Calculate the answers to the length based problems. Remember to convert where you need to.

The length of a swimming pool is 25m.

I swim 200m every morning.
How many lengths is this?

_____



Nottingham to Birmingham is about 83.6km

How many metres is it between the two cities?

_____

At the weekend I walked 2.5km.

My Dad walked 900m further
How far did he walk in km?

_____

James is 1.53m tall

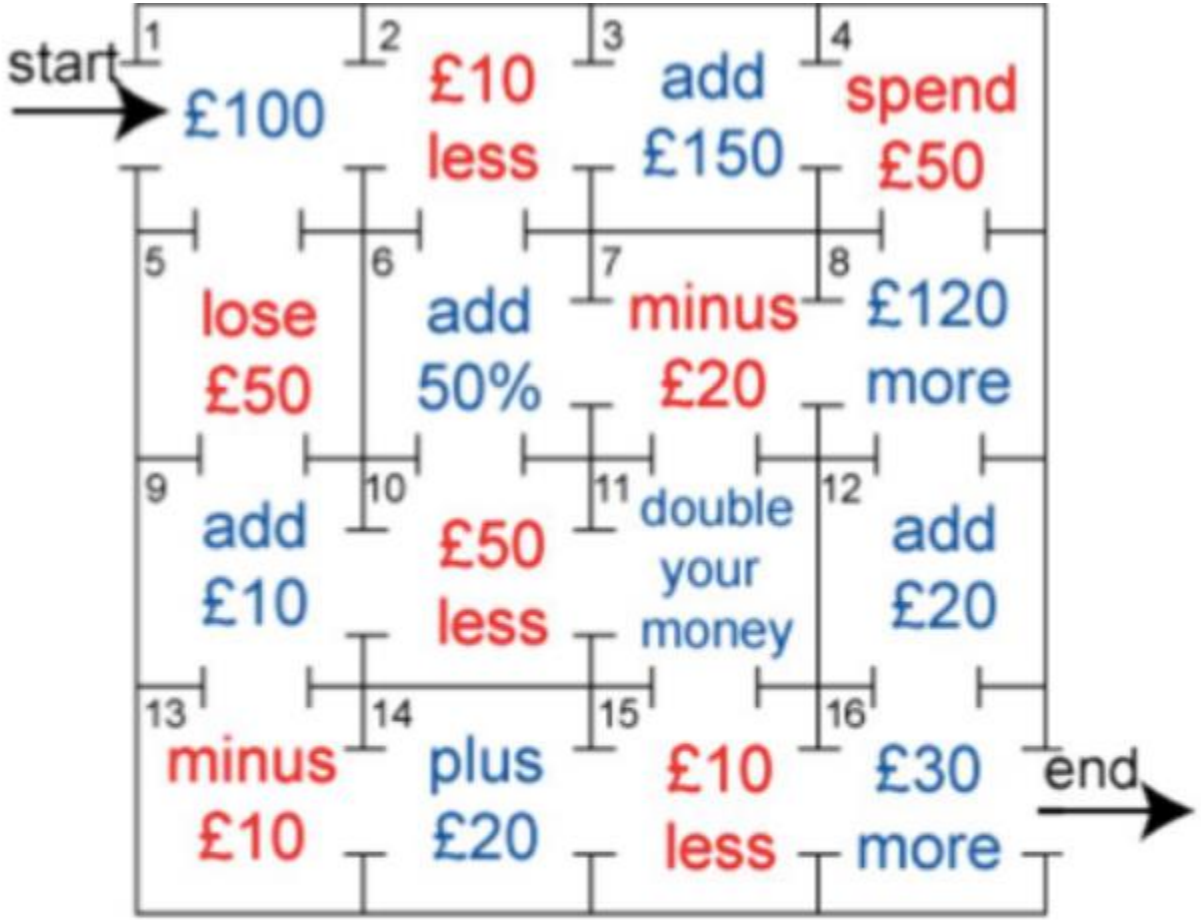
Jodie is 135cm.
How much taller is James than Jodie? (in m)

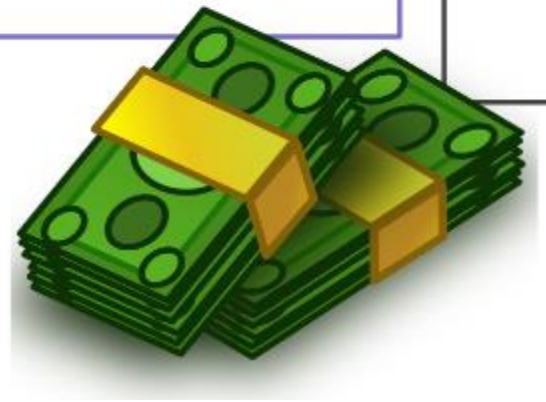
_____

Money Maze Challenge

Make your way through the maze collecting and spending money as you go.

- What is the largest amount of money you can be left with?
- What is the smallest amount of money you can be left with?





DAY 3

Group A – Live Lesson!
Group B – Live Lesson!

Do not complete the work on the following slides as we will be doing these in our live lesson.

<u>Please print any necessary slides in advance!</u>

Day 3- Live Lesson ☺

Group A – Live Lesson!
Group B – Live Lesson!

Day 3- Sequencing numbers and number patterns

Task 1- recap:
Lets start by completing pages 10 & 11 of your **maths activity pack** together.

Task 2 - practice and apply
Now lets try and complete a variety of problems on the next few slides, recapping everything we have learnt throughout year 4.

Task 3-recap:
Now complete pages 16 &17 of the **times tables activity book**.

Times tables speed challenge

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

Moving on

Can you remember the Roman Numerals for these numbers?

Arabic Numeral	Roman Numeral	Arabic Numeral	Roman Numeral
100		**25**	
54		**36**	
48		**13**	

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXVIX	XC
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

Main Task

Can you work out the rule for each of these sequences and fill in the missing terms.

a) 86, 92, 98, _____, _____,

b) 7.7, 7.5, 7.3, _____, _____,

c) -2, -4 ___, -8, ___

d) _____, 3002, 2502, 2002, _____

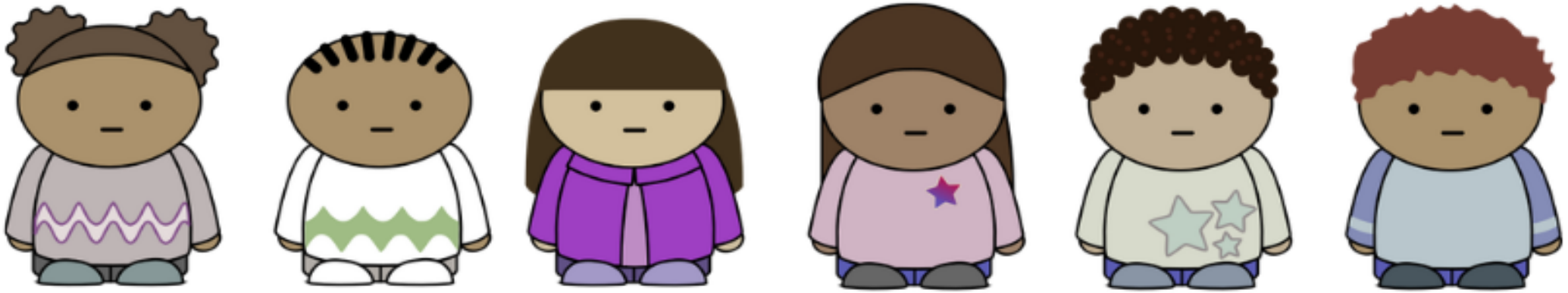
e) 0.9, _____, _____, 0.3, 0.1

f) -6, _____, -2, 0, _____, _____,

g) 374, 365, ___, ___, 338

h) 3, 1, ___, ___, -5

i) ___,___, 18, ___, 24



Main Task

You can see different coloured numbers. They form 5 different sequences. Can you arrange them into increasing sequences.

36	- 6	5.2	69	76
3	5.4	12	62	- 8
6	41	46	- 2	5.6
15	5	0	48	66
56	55	4.8	- 4	9

Challenge.....

Continue this Fibonacci Series by adding the last 2 numbers to make the next one:

0, 1, 1, 2, 3, 5, 8, _____

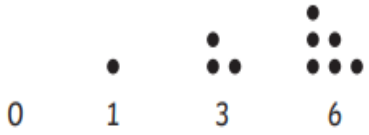
Now use the grid below to write Pascal's triangle by adding the adjacent numbers and writing the answer in the space below.

1										
1	1									
1	2	1								
1			1							
1				1						
1					1					
1						1				
1							1			
1								1		
1									1	
1										1

Challenge.....

Triangles

Here is a pattern of dots as triangles.



Note: the first triangle has no dots.

Write the number of dots and find the difference between each number. Continue the pattern for the next 4 triangles.

0	1	3	6				
							

difference:

What do you notice about the difference in the number of dots in each triangle?

Can you explain why?

4

DAY

Day 4- Weight Problem Solving

Task 1- recap:
Please start by completing pages 8 & 9 of your **maths activity pack.**

Task 2-recap:
Now complete pages 18 & 19 of the **times tables activity book**.

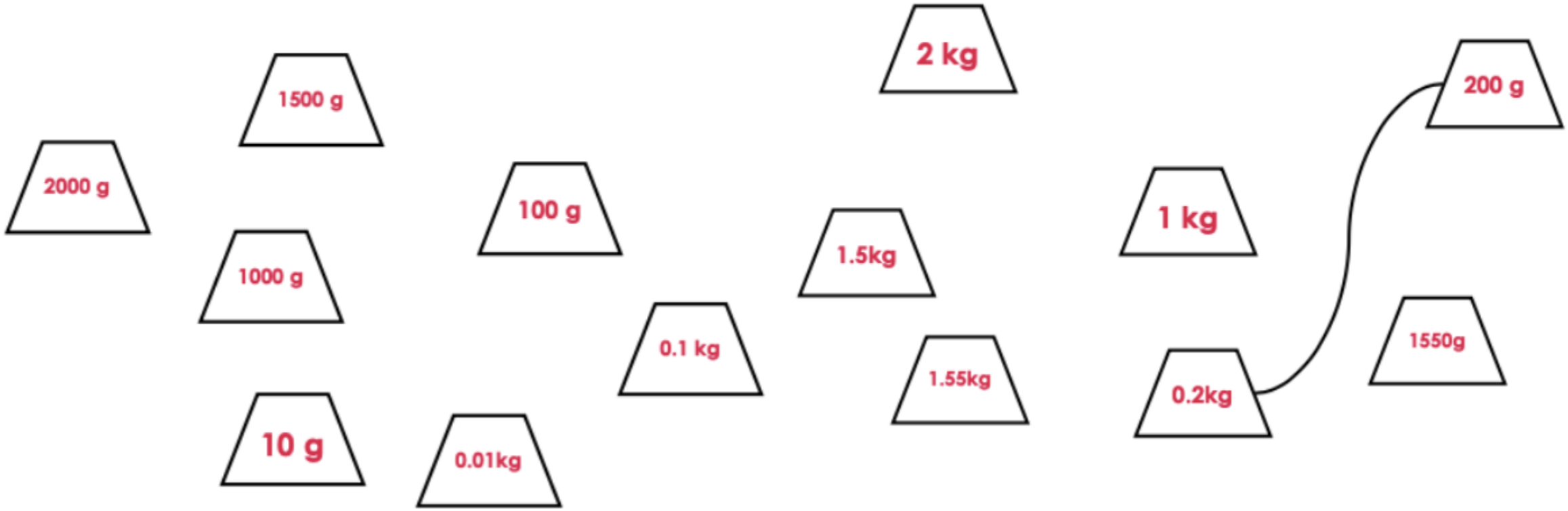
Task 3- practice and apply
Now complete a variety of problems on the next few slides, recapping everything we have learnt throughout year 4.

To Start

Complete the times tables challenge

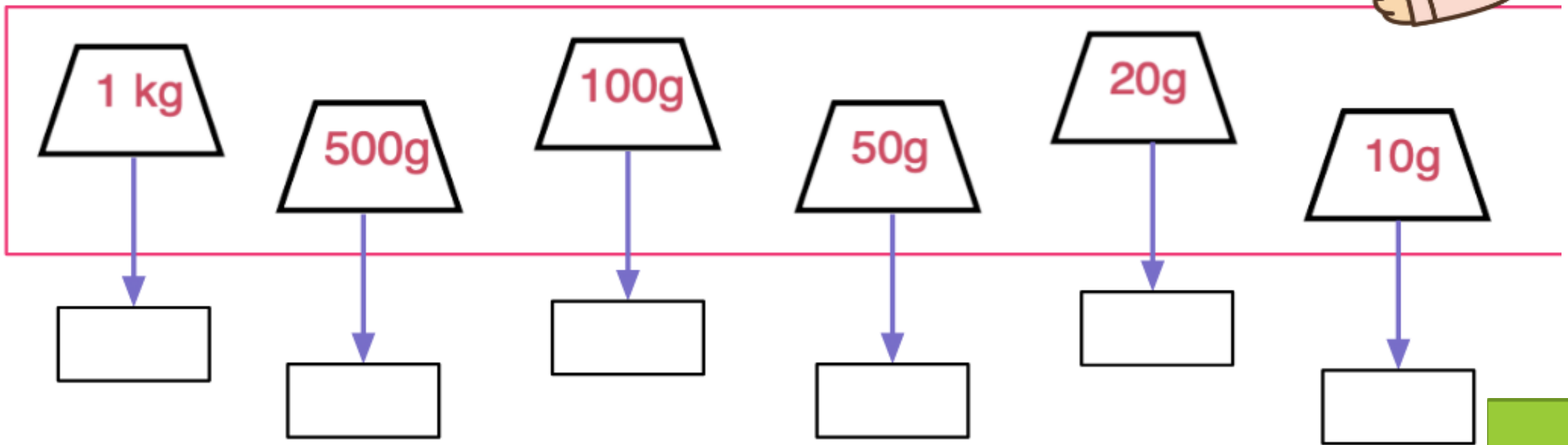
X	2	4	3	8	7	9	6
4							
2							
3							
5							
8							
12							
7							

Converting weights: Match the pairs



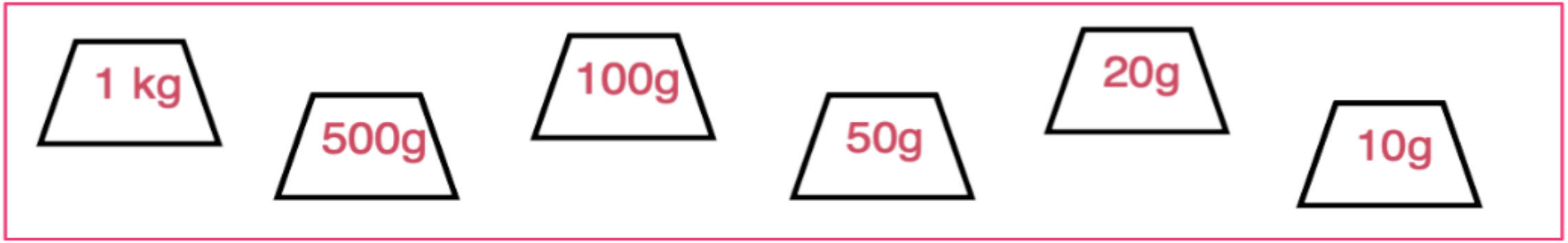
Moving on.

Can you change the measurements in Kg to g and the measurements in g to Kg?



Main Task!

Ria has a selection of weights:



She selects 10 different weights, however there is one size of weight which she does not use any of.
The total weight of them is 2.7 kg.

? Which was the weight that she did not use?

? How many of each weight did she use?

Challenge Task

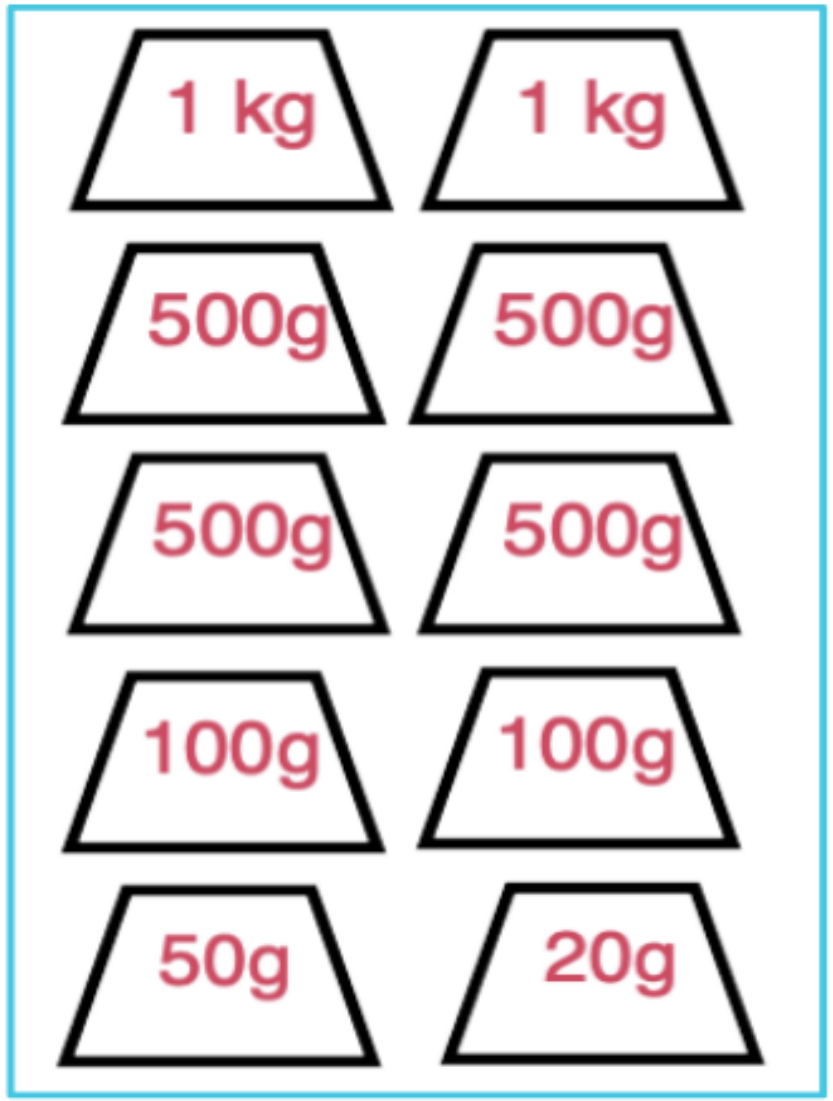
What would the total weight be if she had:

- Two 1 kg weights
- Four 500 g weights
- Two 100 g weights
- One 50 g weight
- One 20 g weight?

Can you answer in two ways?

KG=_____ G= _____

How many more g would she need to make 5kg?_____




BYE!