Year 3
Maths Lesson

21.1.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- Answers from yesterday's work
- 1 warm up activity
- 1 maths lesson

Remember – you can get Dojos for posting pictures of your work on Class Dojo!

Warm Up Activity 1.

Convert these kg in g and vice versa.

Remember 1000g = 1 kg

You did this yesterday so you should be getting good at them!

Easier

1. 4000g
2. 3500g
3. 1400g
4. 8700g
5. 3200g
6. 1250g
7. 1750g
8. 4250g
9. 7250g
10. 9250g

1. 1 kg and 200g
2. 2 kg and 300g
3. 3kg and 400g
4. 5kg and 900g
5. 6kg and 450g
6. 3 kg and 700g
7. 5 kg and 640g
8. 8kg and 990g
9. 6kg and 330g
10. 5kg and 750g

Harder

1. 5550g
2. 7750g
3. 3220g
4. 4330g
5. 5670g
6. 8990g
7. 2345g
8. 1898g
9. 6758g
10. 10020g

1. 2kg and 56g
2. 3kg and 89g
3. 7kg and 76g
4. 9kg and 11g
5. 6kg and 1g
6. 9 kg and 2g
7. 3kg and 14g
8. 5kg and 19g
9. 8kg and 8g
10. 10kg and 20g

Warm Up Activity 1.

Convert these kg in g and vice versa.

Remember 1000g = 1 kg

You did this yesterday so you should be getting good at them!

Easier

1. 4kg
2. 3kg 500g
3. 1kg 400g
4. 8kg 700g
5. 3kg 200g
6. 1kg 250g
7. 1kg 750g
8. 4kg 250g
9. 7kg 250g
10. 9kg 250g

1. 1 200g
2. 2300g
3. 3400g
4. 5900g
5. 6450g
6. 3700g
7. 5 40g
8. 8990g
9. 6330g
10. 5750g

Harder

1. 5kg 550g
1. 7kg 750g
2. 3kg 220g
3. 4kg 330g
4. 5kg 670g
5. 8kg 990g
6. 2kg 345g
7. 1kg 898g
8. 6kg 758g
9. 10kg 20g

1. 2056g
2. 3089g
3. 7076g
4. 9011g
5. 6001g
6. 9002g
7. 3014g
8. 5019g
9. 8008g
10. 10020g

21.01.21

Can I use a written method to add and subtract units of weight?

Yesterday you were adding and subtracting weights. The answers to yesterday's work are on the next few slides. Take a look at how you got on. If you got some wrong, see if you can spot where you went wrong.

White Rose Maths

1 Teddy is measuring the weight of some fruit.
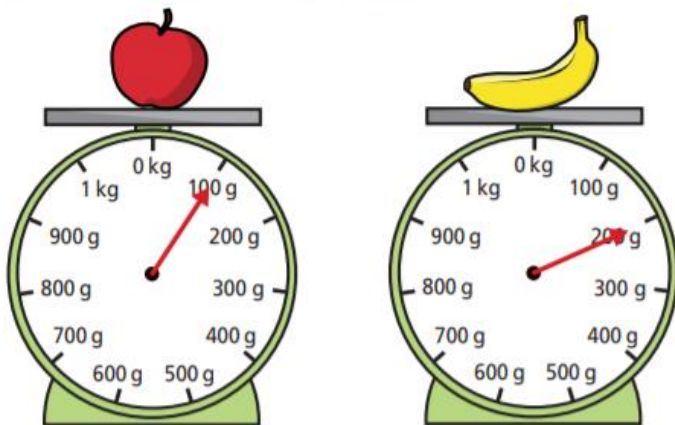
a) What is the weight of the apple? `100` g

b) What is the weight of the banana? `200` g

c) Teddy puts both pieces of fruit on the same scale.
What is the total weight of the
apple and the banana? `300` g

2 Alex is measuring the weight of some ingredients.

4 kg Flour   2 kg Sugar   1 kg chocolate chips

What is the total weight of the ingredients?

`7` kg

3 Ron is measuring the mass of some objects in the classroom.
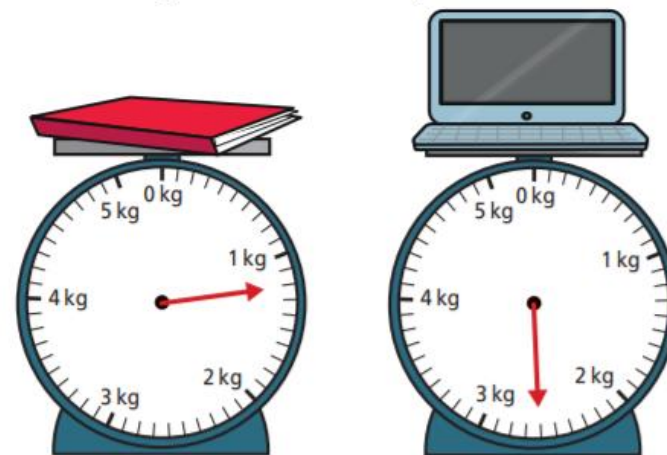
Ron puts both objects on the same scale.

What is the total mass of the objects?

`3` kg and `800` g

4 Aisha is weighing out some cereal.

First she puts the bowl on the scales. Then she pours out some cereal.
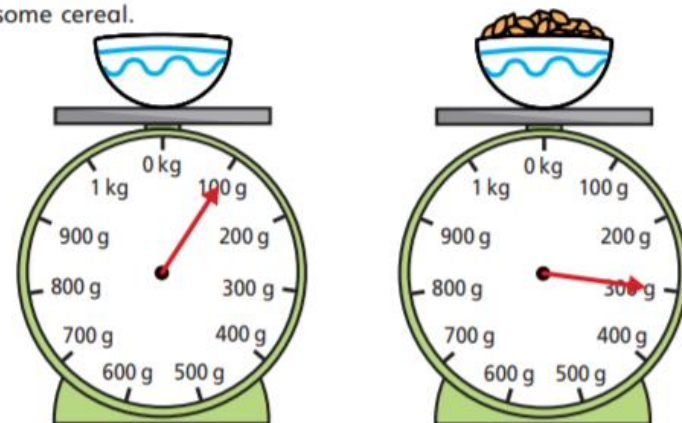
What is the weight of the **cereal** in the bowl? `200` g

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5 A dog weighs 8 kg and 200 g when it is 8 weeks old.

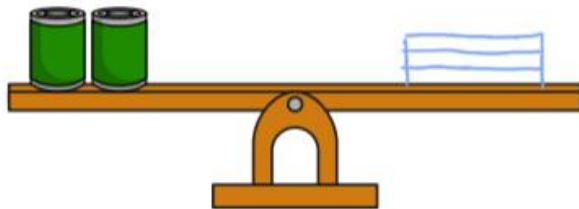The same dog weighs 12 kg and 900 g when it is 12 weeks old.

What is the difference in the dog's weight between 8 and 12 weeks?

| 4 | kg and | 700 | g |

6 The mass of a tin is 450 g.

The mass of a book is 300 g.

450 g

300 g

Draw books on the scales to balance the tins.

7 Complete the number sentences.

a) 1 kg 250 g + 5 kg 300 g = | 6 | kg | 550 | g

b) 3 kg 450 g + 8 kg 120 g = | 11 | kg | 570 | g

c) 15 kg 960 g – 11 kg 270 g = | 4 | kg | 6 9 0 | g

d) 36 kg 317 g – 21 kg 199 g = | 15 | kg | 118 | g

e) 1 kg – | 800 | g = 200 g

8 Tommy and Rosie are working out the total weight of the box and the suitcase.

1 kg 700 g

4 kg 500 g
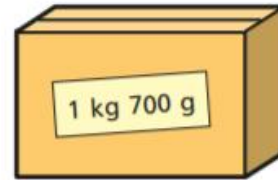
The total weight is 5 kg and 1,200 g.

Tommy

The total weight is 6 kg and 200 g.

Rosie

Who is correct? _Both_

Talk about it with a partner.

Today you are going to add and subtract weights using a written method. Remember the methods you have learned in class.

	T	U
=	4	8
+	3	8
	8	6
		1

Addition

	T	U
	$\cancel{3}$	$^{1}4$
−	2	6
	6	8

Subtraction

TARGET To add or subtract weights using written methods.

Examples

```
    g
   587
 + 326
   913
   1 1
```

```
  kg  g
  4 1 6 1
  5 1 7 0
- 2 8 5 6
  2 3 1 4
```

A

Copy and complete.

① g
34
+ 26

② g
43
+ 18

③ g
67
+ 25

④ kg
52
+ 44

⑤ kg
39
+ 35

⑥ kg
46
+ 17

⑦ g
36
− 23

⑧ g
84
− 32

⑨ g
58
− 18

⑩ kg
72
− 44

⑪ kg
95
− 39

⑫ kg
60
− 16

⑬ Ida has two suitcases. One weighs 35 kg and the other weighs 18 kg. What is the weight of the two suitcases together?

⑭ A salt pot holds 80 g. 55 g is used. How much is left?

B

Copy and complete.

① g
248
+ 123

② g
653
+ 186

③ g
327
+ 158

④ kg g
5 950
+ 2 420

⑤ kg g
4 060
+ 1 580

⑥ kg g
3 740
+ 2 390

⑦ g
450
− 127

⑧ g
729
− 263

⑨ g
574
− 335

⑩ kg g
9 410
− 780

⑪ kg g
6 060
− 2 480

⑫ kg g
8 320
− 5 590

⑬ The lighter of two parcels weighs 2 kg 670 g. The other parcel weighs 1 kg 560 g more. What is the weight of the heavier parcel?

⑭ A bag holds 6 kg 500 g of potatoes. 3 kg 720 g is used. How much is left?

C

Copy and complete.

① kg g
1 485
+ 357

② kg g
3 729
+ 648

③ kg g
5 066
+ 1 259

④ kg g
6 394
+ 2 725

⑤ kg g
4 853
+ 3 794

⑥ kg g
2 617
+ 1 874

⑦ kg g
3 163
− 728

⑧ kg g
4 049
− 2 392

⑨ kg g
8 183
− 4 654

⑩ kg g
6 327
− 937

⑪ kg g
7 531
− 3 475

⑫ kg g
9 248
− 562

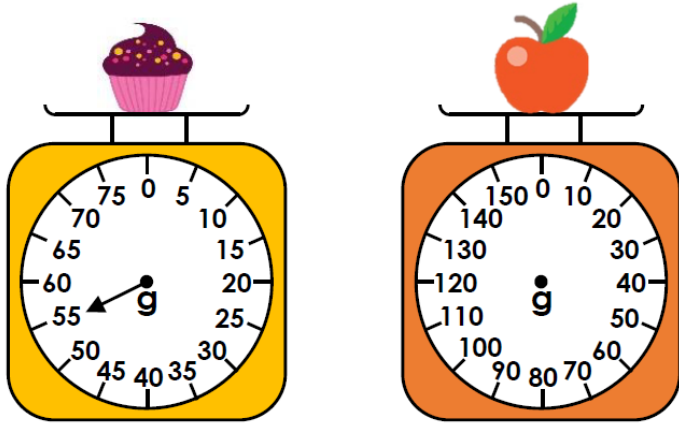⑬ Bobby weighs 8 kg 140 g. Buster weighs 3 kg 457 g. How much heavier is Bobby than Buster?

Complete section A or B using a written method (A is the easiest)
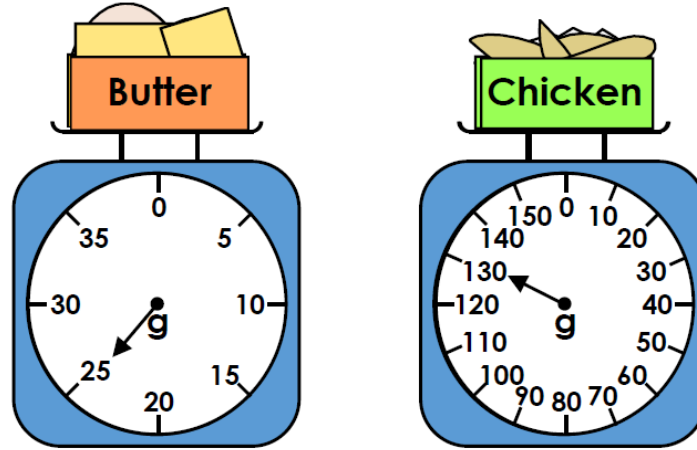
Section C is a challenge! Why not have a go!

Challenges (easier)

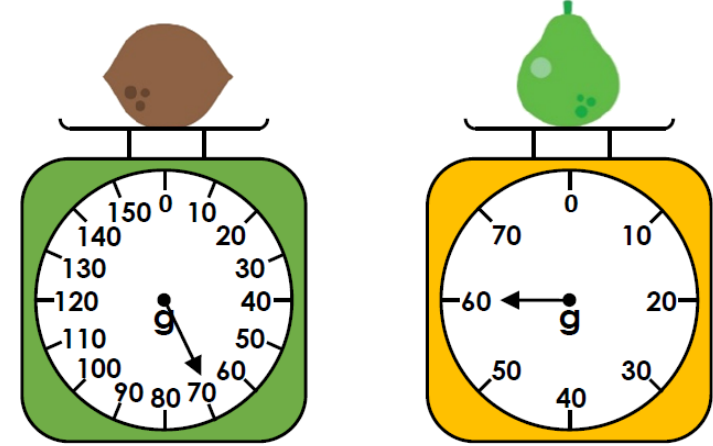1a. If two cupcakes weigh the same as one apple, draw an arrow on the scale to show the weight of the apple.

2a. Matt is making a pie. He needs 30g of butter and 150g of chicken.

Butter

Chicken

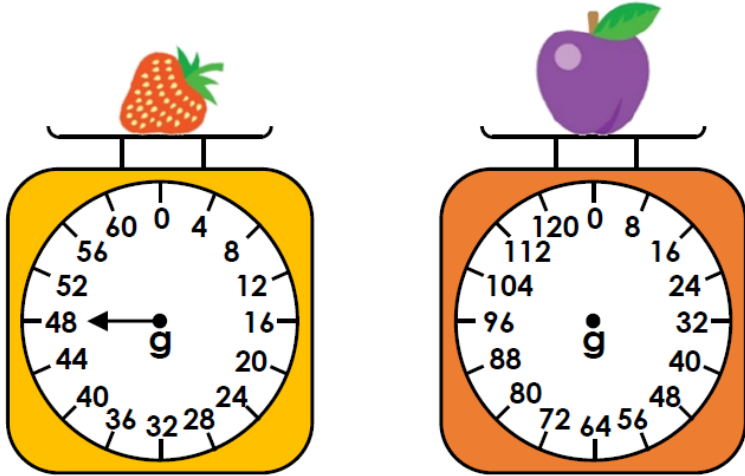How much more of each ingredient does he need?

3a. Hafsa is weighing different items. She says the pear is heavier because the arrow on the scale is further around.
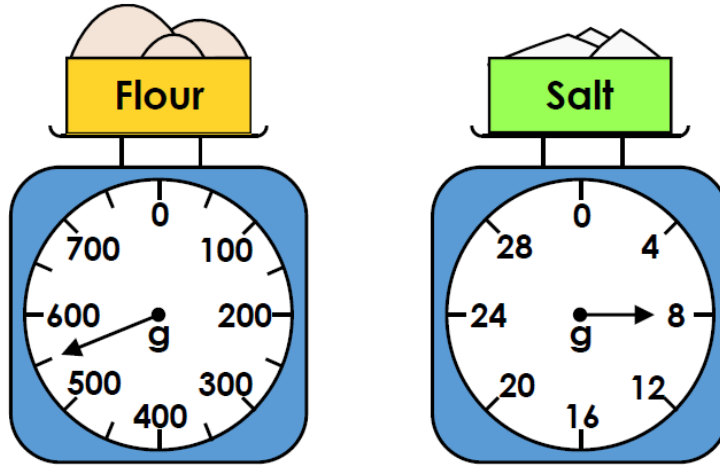
Is she correct? Explain how you know.

Challenges (harder)

4a. If two strawberries weigh the same as one plum, draw an arrow on the scale to show the weight of the plum.
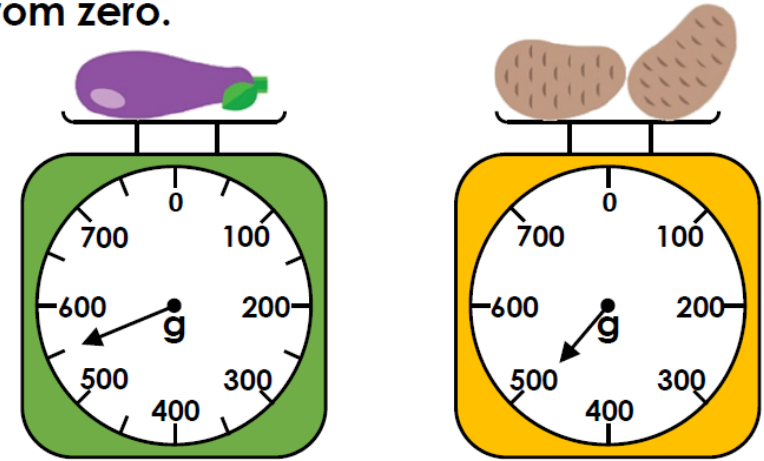
5a. Reema is making a bread. She needs 650g of flour and 10g of salt.
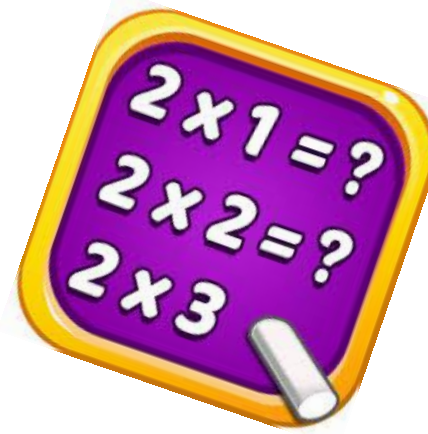
How much more of each ingredient does she need?

6a. Steph is weighing different items. She says the potatoes are heavier because the arrow on the scale is further away from zero.

Is she correct? Explain how you know.

If you have time...

Try making something that requires you to weigh out ingredients e.g making bread. Look at the weights you are using.

Make sure you ask a parents permission first! We would love to see what you have made on dojo!