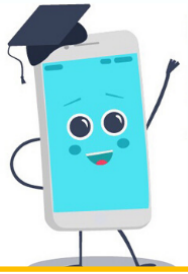
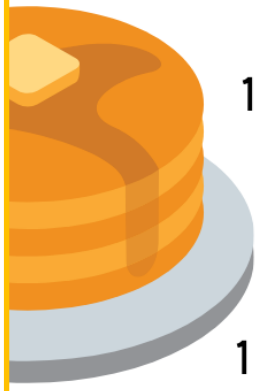


Pancake Day Maths

www.pocketprivatetutor.co.uk

12 servings

Recipe



100g plain flour

2 large eggs

300ml milk

1 tbsp oil (15ml)

Flour £1.20 per kg

Eggs £2.70 per dozen

Milk £1.40 per 2litres

Oil £2 per litre

How much do the ingredients for 12 pancakes cost?

- 100g plain flour = £
- 2 large eggs = £
- 300ml milk = £
- 1 tbsp oil (15ml) = £

Total = £

Jayden only had 60ml of milk.
How much flour would be needed?
How many pancakes could be made?

Nina wanted to make 18 pancakes.
How much flour would be needed?
How many eggs would be needed?

Rayon's recipe uses 5 eggs.
How many ml of oil is used?
How many pancakes can be made?

There were 80 pancakes.

- 3/5 of them were topped with chocolate sauce
- 15% of them were topped with lemon & sugar
- The rest of them were topped with maple syrup

What fraction of the pancakes had maple syrup topping?

A pancake with a radius of 7.5cm was tossed into the air. The distance it rose was 8x greater than its diameter. How high did it rise in metres?

It took 12 minutes to prepare some pancake mixture for a family of 6.

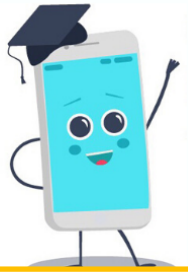
Each person ate an average of 3 pancakes.

Each pancake took an average of 130 seconds to cook. (including time between each pancake)

The last pancake was ready to eat at 9.15am.

What time did the pancake making begin?

A pancake was burnt on the bottom.
It was tossed in the air and flipped 1260°
Did it land burnt side up or down?



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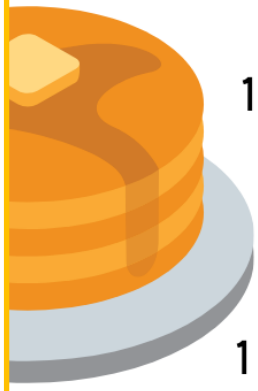
12 servings

Recipe



100g plain flour

2 large eggs

300ml milk

1 tbsp oil (15ml)

Flour £1.20 per kg

Eggs £2.70 per dozen

Milk £1.40 per 2litres

Oil £2 per litre

How much do the ingredients for 12 pancakes cost?

- 100g plain flour = £0.12
- 2 large eggs = £0.45
- 300ml milk = £0.21
- 1 tbsp oil (15ml) = £0.03

Total = £0.81

Jayden only had 60ml of milk.
20g flour would be needed.
(2.4) 2 full pancakes could be made

Nina wanted to make 18 pancakes.
150g flour would be needed.
3 eggs would be needed.

Rayon's recipe uses 5 eggs.
37.5ml oil would be needed.
30 pancakes could be made.

80 pancakes.
3/5 of them were topped with chocolate sauce (48)
15% of them were topped with lemon & sugar (12)
The rest of them were topped with maple syrup.
What fraction of the pancakes had maple syrup topping? (20 = 1/4)

Radius = 7.5cm
Diameter = 15cm
8 x 15 = 120
Height it rose was 120cm or 1.2m

It took 12 minutes to prepare some pancake mixture for a family of 6.

Each person ate an average of 3 pancakes. (3 x 6 = 18)

Each pancake took an average of 130 seconds to cook. (130 x 18 = 2340 secs/39 mins)

The last pancake was ready to eat at 9.15am.
What time did the pancake making begin?
9.15 am - 39 mins = 8.36am

1260° ÷ 360 = 3 and a half rotations
It landed burnt side up!