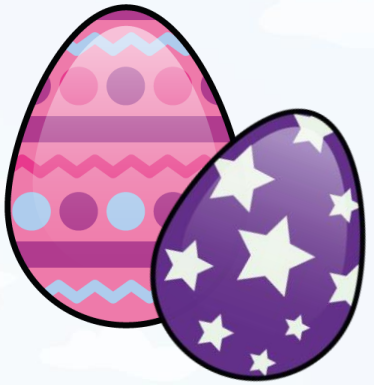
#MathsEveryoneCan

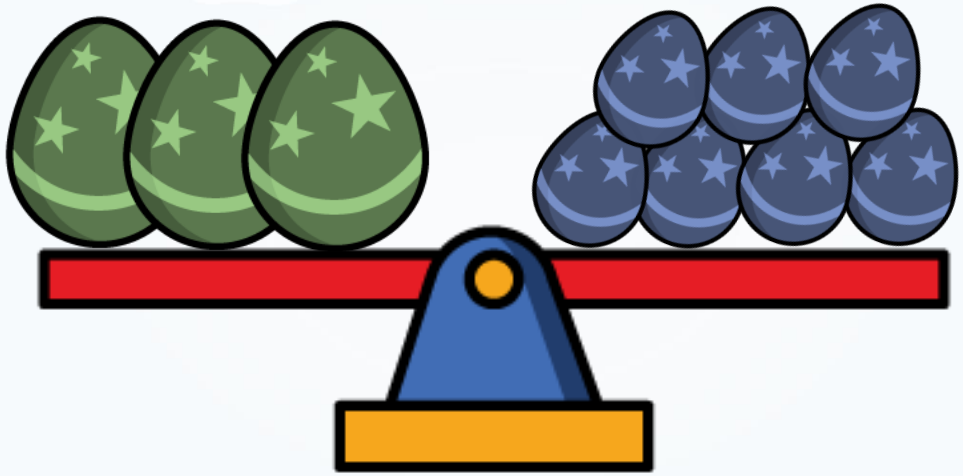


I'M EGG-CITED FOR ACTIVITY WEEK - ARE YOU?

White Rose Maths

Some chocolate eggs are shown on the balance scale.

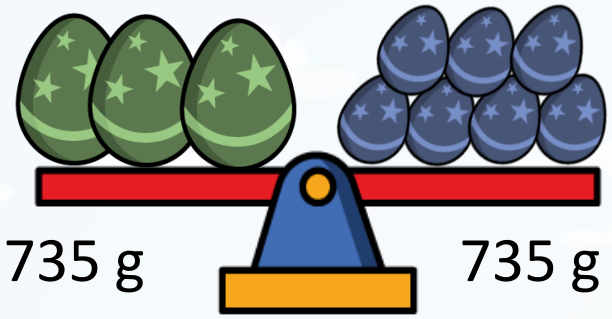
A large egg has a mass of 245 g.

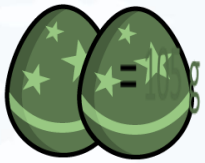


What is the mass of one small egg?

Have a think

A large egg has a mass of 245 g.

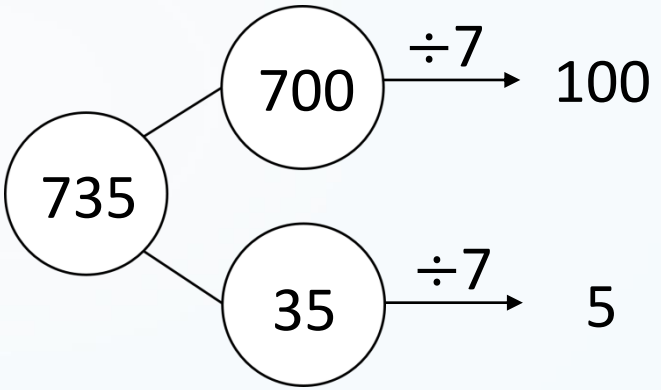




	2	4	5
×			3
	7	3	5
	1	1	

= 735 g

= 735 g ÷ 7



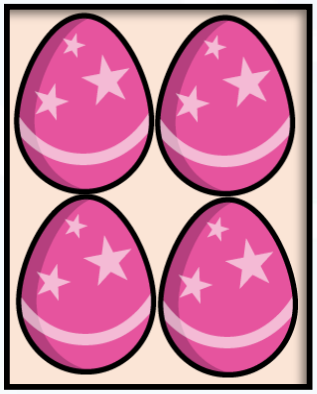
What is the mass of one small egg?

= 105 g

Chocolate eggs can be bought in three different ways.

Single egg
£1 and 40p

Pack of 3
£4



Pack of 4
£4.99

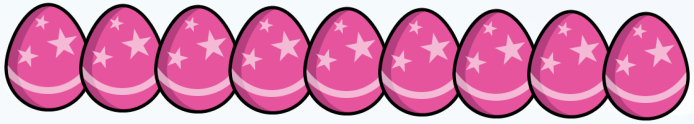
Annie needs to buy 9 chocolate eggs.

What is the cheapest way of doing this?

Have a think

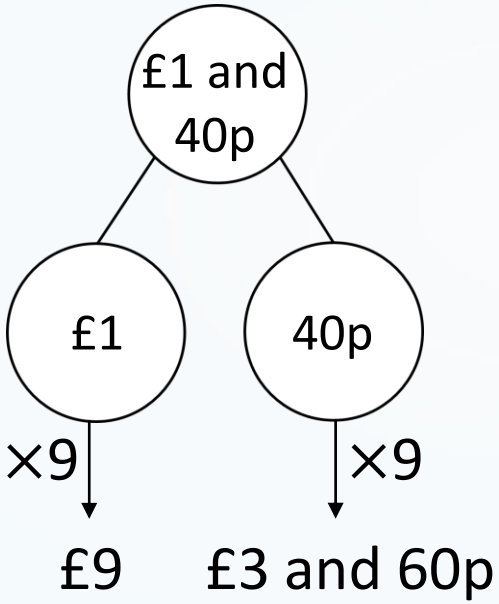
Single egg

£1 and 40p



Buy 9 single eggs

£12 and 60p



$9 \times 4 = 36$

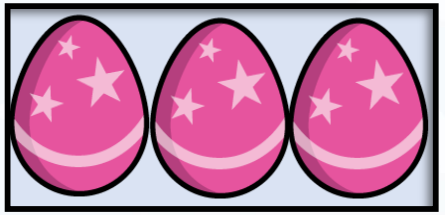
$9 \times 40 = 360$

$100p = £1$

$360p = £3 \text{ and } 60p$

Buy 9 single eggs

£12 and 60p

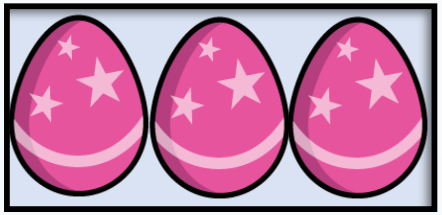


Pack of 3

£4

Buy 3 packs of 3 eggs

£12



£4

£4

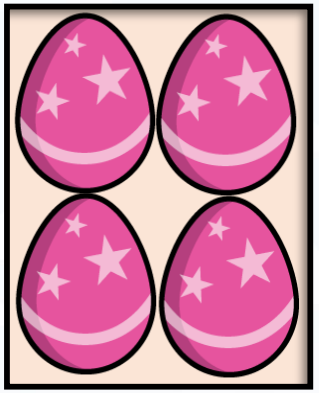
£4

Buy 9 single eggs

£12 and 60p

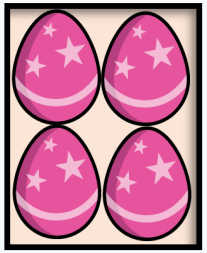
Buy 3 packs of 3 eggs

£12

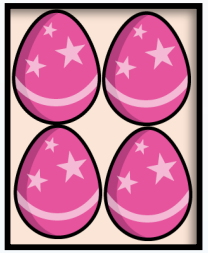


Pack of 4

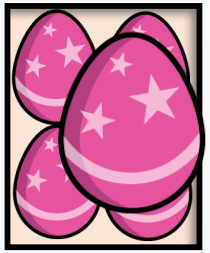
£4.99



£4.99



£4.99



Single egg

£1 and 40p

Too many eggs
but is it cheaper?

£9.98 + £1.40 = £11.38

£5 × 3 = £15

£15 − 3p = £14.97

£5 × 2 = £10

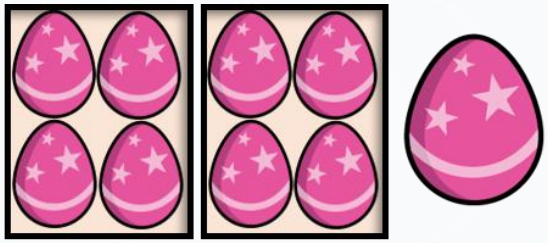
£10 − 2p = £9.98

Buy 9 single eggs

£12 and 60p

Buy 3 packs of 3 eggs

£12



Buy 2 packs of 4 and a single egg

£11 and 38p

Cheapest way to buy 9 eggs!

Single egg
£1 and 40p

Pack of 3
£4

Pack of 4
£4.99

Mr Rose has £30 to spend.

What is the greatest amount of eggs he can buy?

Rosie buys some chocolate eggs.

She buys packs of 3 because they worked out cheaper.

How many eggs could Rosie have bought for this to happen?

Alex is making chocolate nests.
She has fewer than 30 eggs.

Alex wants to put the same amount of eggs into each nest.

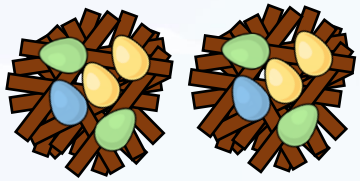
She puts 5 in each nest and has 2 left over.
She puts 8 in each nest and has 3 left over.

Have a think

How many eggs does Alex have?
Is there a way to put an equal number of eggs into each nest with no remainders?

$1 \times 5 + 2 = 7$

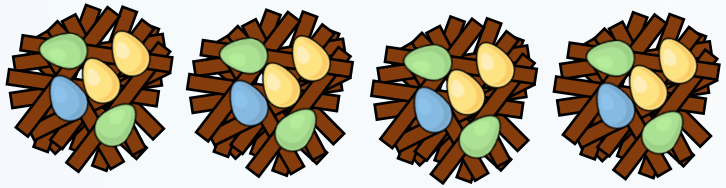
Alex puts 5 in each nest and has 2 left over.



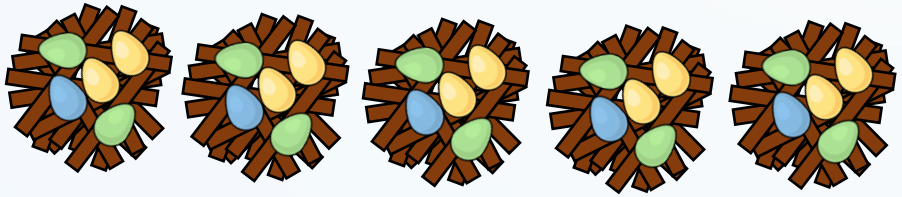
$2 \times 5 + 2 = 12$

7, 12, 17, 22, 27

$3 \times 5 + 2 = 17$



$4 \times 5 + 2 = 22$



$5 \times 5 + 2 = 27$

Alex puts 8 in each nest and has 3 left over.

11, 19, 27,

Alex puts 5 in each nest and has 2 left over.

7, 12, 17, 22, 27

Alex has 27 eggs.

Is there a way to put an equal number of eggs into each nest with no remainders?

$1 \times 8 + 3 = 11$

$2 \times 8 + 3 = 19$

$9 \times 3 = 27$

Alex could put 3 eggs into each nest.

$3 \times 8 + 3 = 27$

Alex could put 9 eggs into each nest.