

Monday 20th April - Number

Here are four number cards.



Layla uses each card once to make a four-digit number.

She places:

- 4 in the tens column
- 2 so that it has a higher value than any of the other digits
- the remaining two digits so that 7 has the higher value.

Write a digit in each box to show Layla's number.

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$$33,630 = 354 \times 95$$

Use this multiplication to complete the calculations below.

$354 \times 9.5 =$

$3,540 \times 95 =$

$3,363 \div 95 =$

Write the number that is five less than **ten million**.

Write the number that is one hundred thousand less than **six million**.

It is divided into equal sections.



Write the letter of the section where each of these numbers belongs.

The number 99 has been done for you.

number	section
99	J
29	
-83	
-15	
44	

Use the digits **2**, **3** and **4** once to make the multiplication which has the **greatest product**.

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Tuesday 2st April 2020 - Four operations

Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.

She makes **68** bracelets.

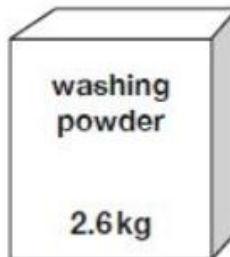


Each necklace has **105** beads.

She makes **34** necklaces.

How many beads does Layla use **altogether**?

A box contains 2.6 kg of washing powder.



Jack uses 65 grams of powder for each wash.

He uses all the powder.

How many washes did Jack do?

In March, Ken collects 2, 3 or 4 eggs each day from his hens.

In the first 20 days, Ken collects 57 eggs altogether.

There are 31 days in March.

What is the **greatest** number of eggs Ken can collect in March?

Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £ 20 note.

Her change is £14.96

What is the cost of posting **one** letter?

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

A **square** number and a **prime** number have a total of 22

What are the two numbers?

$$\boxed{} + \boxed{} = 22$$

square number prime number

Look at these numbers.

$\frac{3}{4}$ of a million

2,099,999

2,101,999

80,000

2,109,000

What is the largest number?

What is the smallest number?

Wednesday 22nd April 2020 – Fractions, decimals and percentages

Jack has £400

He spends **35%** of his money on a new bike.



How much does Jack spend on his new bike?

£

A book has 276 pages.

Amina has read $\frac{1}{3}$ of the book.

How many pages are **left** for Amina to read?

In each box, circle the number that is **greater**.

$$1\frac{1}{2}$$

1.2

$$1\frac{1}{4}$$

1.3

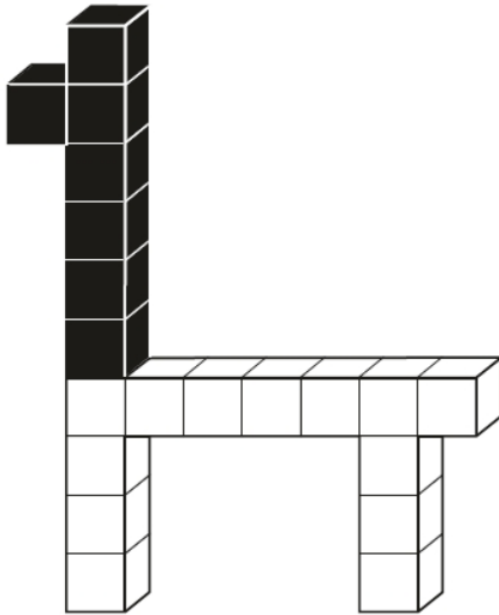
$$1\frac{5}{100}$$

1.4

$$1\frac{3}{5}$$

1.5

This model is made with 20 cubes.



What **percentage** of the cubes in the model is black?

r

Thursday 23rd April 2020 - Algebra

A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets \times 3 + 24

☐

number of tickets \times 24 + 3

☐

number of tickets + 3 \times 24

☐

number of tickets + 24 \times 3

☐

I had £10

I gave some money away.



Which expression shows how much money Dev has left?

a is the amount of money, in pounds, that Dev gave away.

Tick **one**.

$10 + a$

☐

$10 \div a$

☐

$a - 10$

☐

$10 - a$

☐

$a \times 10$

☐

Here is a rule for the time it takes to cook a chicken.

**Cooking time = 20 minutes plus an extra
40 minutes for each kilogram**

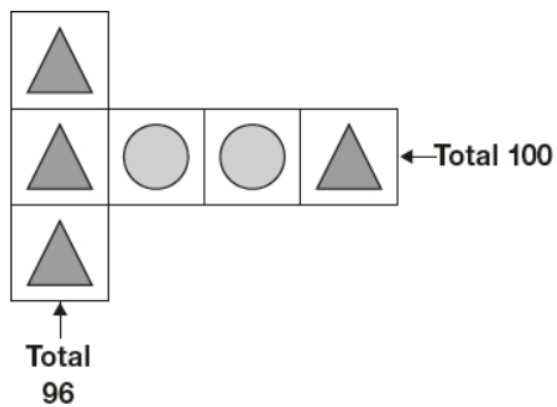
How many minutes will it take to cook a 3 kg chicken?

minutes


What is the mass of a chicken that takes 100 minutes to cook?


kg

Each shape stands for a number.



Work out the **value** of each shape.

 = _____

 = _____

Maria bakes cakes and sells them in bags.



She uses this formula to work out how much to charge for one bag of cakes.

$$\text{Cost} = \text{number of cakes} \times 20\text{p} + 15\text{p for the bag}$$

How much will a bag of 12 cakes cost?

£

1 mark

Olivia buys a bag of cakes for £5.15

Use the formula to calculate how many cakes are in the bag.

What is the value of $4x + 7$ when $x = 5$?

Friday 24th April 2020 - Measurement

Here are the temperatures in four cities at midnight and at midday.

City	Temperature	
	At midnight	At midday
Paris	-4°C	-2°C
Oslo	-13°C	-7°C
Rome	3°C	10°C
Warsaw	-6°C	2°C

At **midnight**, how many degrees colder was Paris than Rome?

degrees

Which city was 6 degrees colder at midnight than at midday?

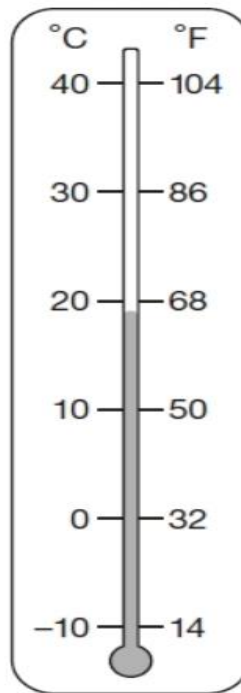
A packet contains 1.5 kg of oats.



Every day Maria uses 50 g of oats to make porridge.

How many days does the packet of oats last?

This thermometer shows temperatures in both °C and °F.



Work out what **25°C** is in °F.

Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?

minutes

Mr Evans is at Fordham at 10:30

What is the **earliest** time he can reach Tremont on the bus?

One gram of gold costs £32.94

What is the cost of **half a kilogram** of gold?

Here is part of the morning bus timetable from Winton to Yansley.

Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

minutes

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

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