testbase

Snow Day Maths

Name: _____

Class: _____

Date: _____

Time:

Marks: **37 marks**

Comments:

1

Liam hires a bike.

He has to return it by 3 pm.

The time is 2:25 pm.

How many minutes has he got left?

	minutes

1 mark

Amy hires a bike for 45 minutes.

She takes the bike out at 3:30 pm.

At what time must she return the bike?

	pm

1 mark

2

Circle the number that is **10 times** greater than nine hundred and seven.

9,700   907   9,007   970   9,070

1 mark

3

Write the missing numbers to make this **multiplication** grid correct.

×	☐☐	
9	63	54
☐	56	48

1 mark

4 Megan and Chen are washing cars.

Megan gets £39 and Chen gets £55

They share what they get **equally** between them.

How much does each of them get?

Show your method

£

2 marks

5 Write these numbers in order of size, starting with the **smallest.**

1.9   0.96   1.253   0.328

smallest

1 mark

6 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?

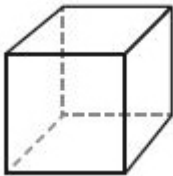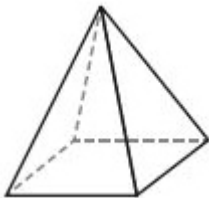|	
	kg

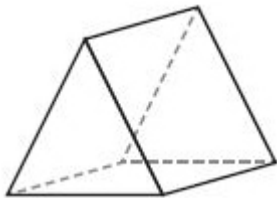**7** Here are diagrams of some 3-D shapes.
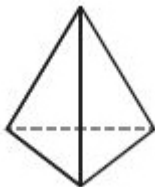
Tick each shape that has the same number of faces as vertices.
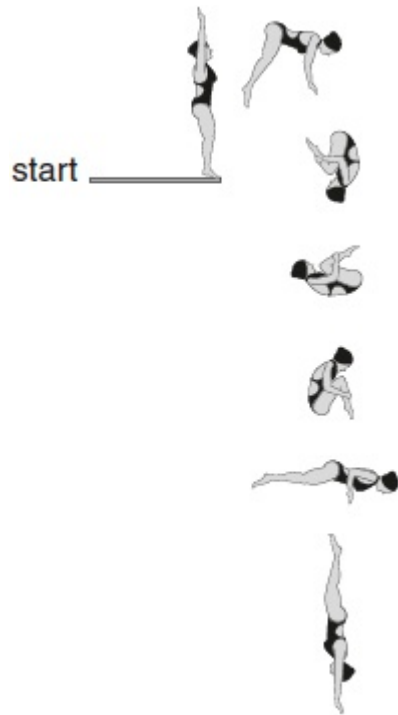
Cube ☐

Square-based pyramid ☐

Triangular prism ☐

Triangular-based pyramid ☐

8 Layla completes one-and-a-half somersaults in a dive.

start _____

How many **degrees** does Layla turn through in her dive?

| | ° |

1 mark

9 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?

Show your method

£

2 marks

10 William wants to travel to Paris by train.

He needs to arrive in Paris by **5:30 pm**.

Circle the **latest time** that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

1 mark

11 Write three factors of 30 that are **not** factors of 15

2 marks

12 Here is a doubling sequence.

Write the three missing numbers.

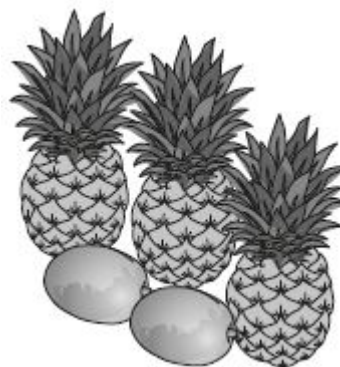×2　　×2　　×2　　×2

	38		152	
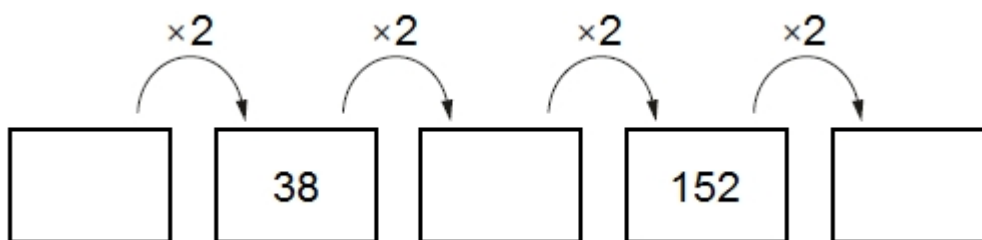
2 marks

13

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

Show your method

£

2 marks

14

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

What are the two numbers?

	+		**= 22**

square number   prime number

15

Dev thinks of a **whole** number.

He multiplies it by 4

He rounds his answer to the nearest 10

The result is 50

Write **all** the possible numbers that Dev could have started with.

_____

16

This table shows the temperature at 9 am on three days in January.

1st January	8th January	15th January
+5°C	−4°C	+1°C

What is the difference between the temperature on 1st January and the temperature on 8th January?

°C

On 22nd January the temperature was 7 degrees lower than on 15th January.

What was the temperature on 22nd January?

°C

17

Here is part of the timetable for Class 6 on a Monday.

am			pm		
10:35	10:55	11:45	12:20	1:15	2:15
break	History	Science	lunch	PE	

Look at the timetable.

How long is it from the **end** of break to the **start** of lunch?

1 mark

Nisha leaves the Science lesson after 25 minutes.
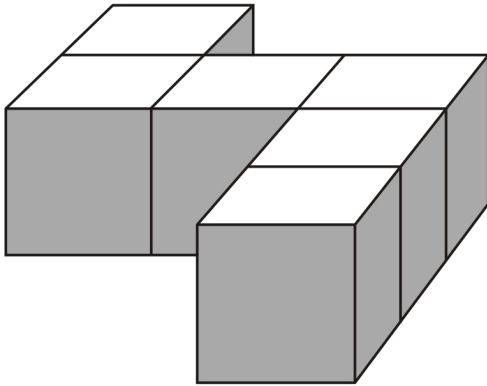
Then she goes to the dentist.

What time does she leave the Science lesson?

1 mark

18 Emily has 6 cubes.

She sticks them together to make this model.

She paints the sides of the model grey all the way round.

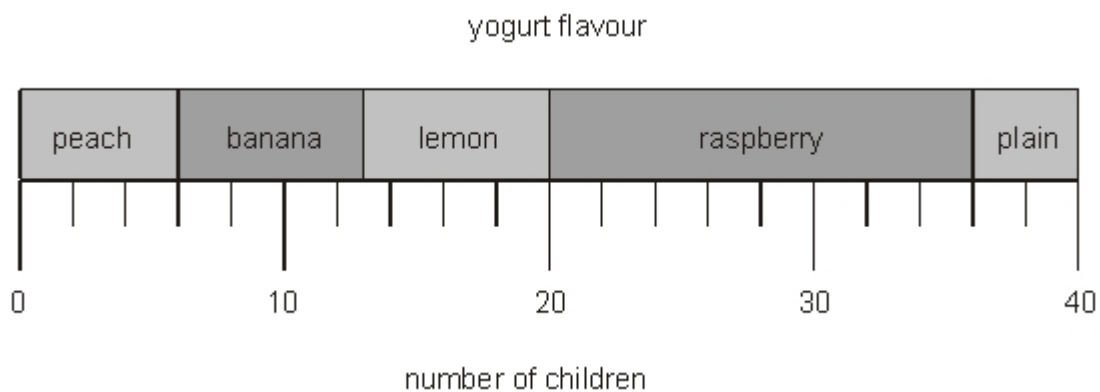She leaves the top and the bottom of the model white.

How many of the cubes in the model have **exactly two** faces painted grey?

1 mark

19 40 children each chose their favourite flavour of yogurt.
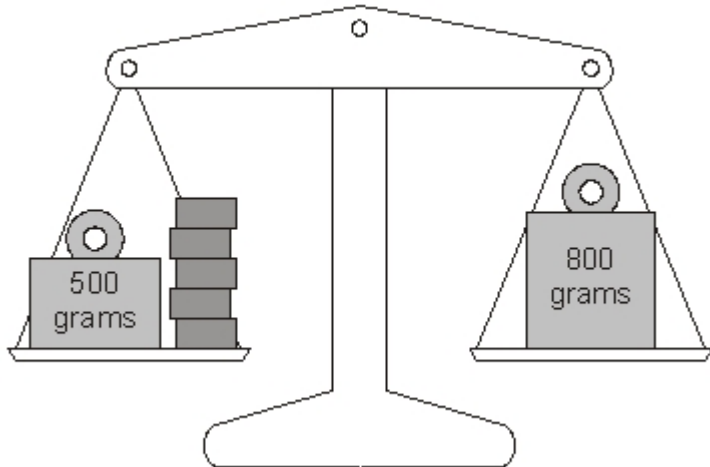
This chart shows the results.

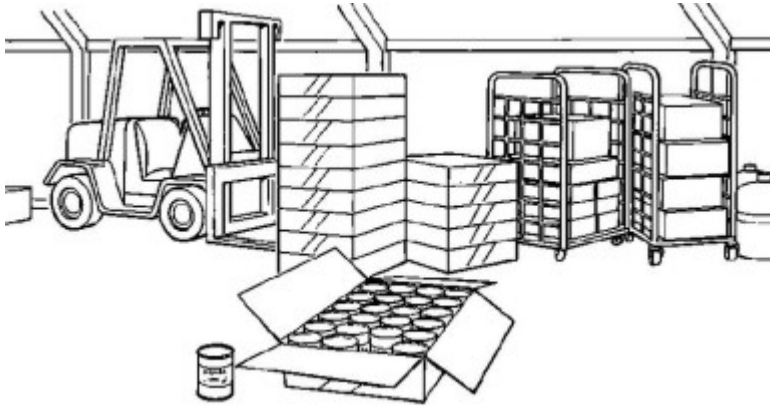How many children chose **lemon** yogurt?

1 mark

How many more children chose **raspberry** than **plain** yogurt?

[   ]

1 mark

20 Lin has five blocks which are all the same.

She balances them on the scale with two weights.

Calculate the weight of **one** block.

Show your method

[   ]

2 marks

21

In a supermarket storeroom there are

      7 boxes of tomato soup

      5 boxes of pea soup

      4 boxes of chicken soup

There are **24 tins** in every **box**.

How many **tins** of soup are there **altogether**?

Show your method

2 marks

22

The temperature **inside** an aeroplane is **20 °C**.

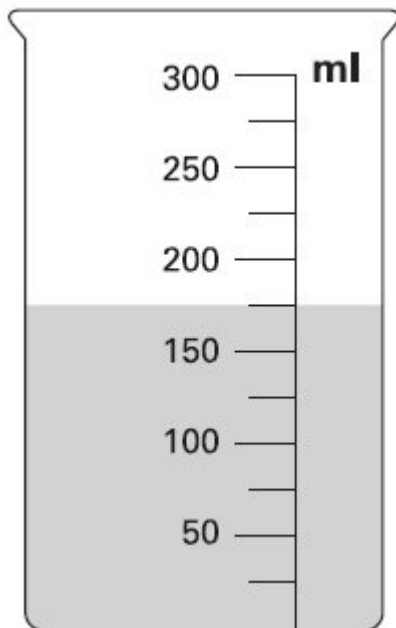The temperature **outside** the aeroplane is **–30 °C**.

What is the **difference** between these temperatures?

degrees

1 mark

23 David puts this amount of water in a container.

Then he pours **50 millilitres** of the water out.

How much water is left in the container?

ml

<div align="right">1 mark</div>