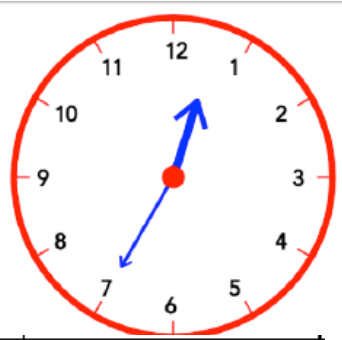


Geography – percentages

Mental maths

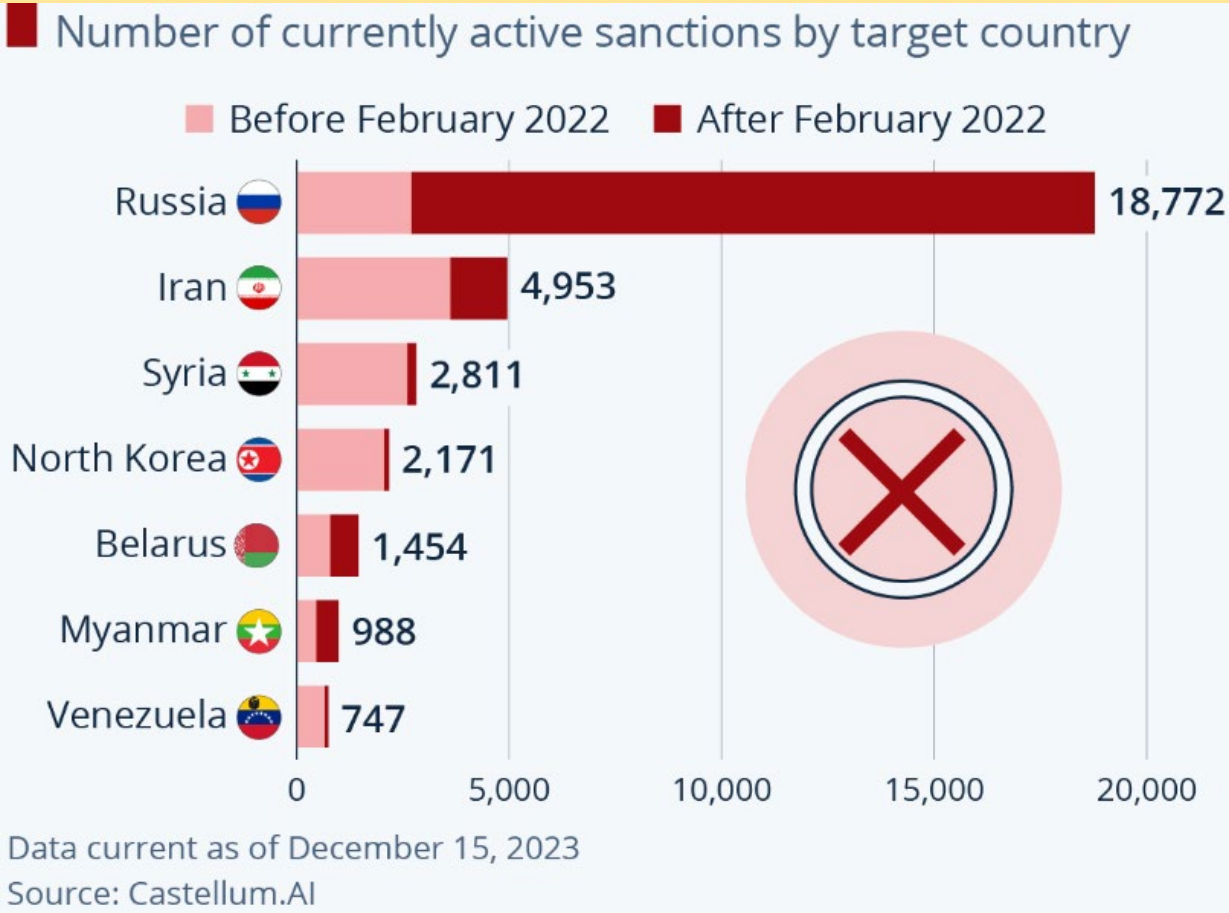
1	$10 = \square + 3$	
2	$20 = 15 + \square$	
3	What is double 34?	
4	$168 + 10 = \square$	
5	$117 - 70 = \square$	
6	$4 = 3 + \square$	
7	$51 - 10 = 51 - 1 - \square$	
8	$3 + 3 = \square \times 3$	
9	What time is shown on the clock?	am
10	What time was it 59 minutes before 4:00 pm?	



1	$7 \times 10 = \square$
2	$9 \div 3 = \square$
3	$\square \div 7 = 4$
4	$8 \times \square = 48$
5	$4 \times \square = 24$
6	$\square \div 2 = 5$
7	$5 \times \square = 30$
8	$10 \times 5 = \square$
9	$70 \div \square = 7$
10	$\square \times 10 = 80$

Goal-Free

Write what you know:



Russia is now the target of significantly more international sanctions than any other nation. Why has this grown so rapidly since Feb 2022?

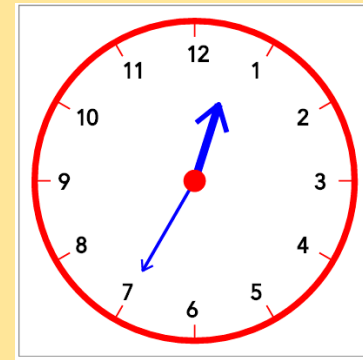
What do we mean by international sanctions?

What do we know about the countries on this list? Are there similarities/differences?



Week 21 Session 2

Mental Strategies Answers



Q	Question	Answer
1	$10 = \square + 3$	7
2	$20 = 15 + \square$	5
3	What is double 34?	68
4	$168 + 10 = \square$	178
5	$117 - 70 = \square$	47
6	$4 = 3 + \square$	1
7	$51 - 10 = 51 - 1 - \square$	9
8	$3 + 3 = \square \times 3$	2
9	What time is shown on the clock?	12:35 am
10	What time was it 59 minutes before 4:00 pm?	3:01 pm



Week 21 Session 2

Timestables Answers

Q	Question	Answer
1	$7 \times 10 = \square$	70
2	$9 \div 3 = \square$	3
3	$\square \div 7 = 4$	28
4	$8 \times \square = 48$	6
5	$4 \times \square = 24$	6
6	$\square \div 2 = 5$	10
7	$5 \times \square = 30$	6
8	$10 \times 5 = \square$	50
9	$70 \div \square = 7$	10
10	$\square \times 10 = 80$	8

Learning Objectives:

Calculate percentages for Geography

I do...

Visualising

The data below shows the results of a survey of 40 students based on how they travel to school.

Walk – 29

Cycle – 3

Car – 6

Bus – 2

What percentage walk to school?

Making
conjectures

Specialising

Making
distinctions

I do...

The data below shows the results of a survey of 40 students based on how they travel to school.

Walk – 29

Cycle – 3

Car – 6

Bus – 2

What percentage walk to school?

Visualising

Visualising

Making
conjectures

Making
conjectures

Specialising

Specialising

Making
distinctions

Making
distinctions

You do...

Visualising

The data below shows the results of a survey of 40 students based on how they travel to school.

Walk – 29

Cycle – 3

Car – 6

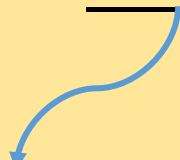
Bus – 2

Making conjectures

Specialising

Making distinctions

1. What percentage cycle to school?

$$\frac{3}{40} = \underline{\hspace{2cm}}$$


$$\underline{\hspace{2cm}} \times 100 = \underline{\hspace{2cm}}\%$$

2. What percentage travel to school by car?

$$\frac{\hspace{1cm}}{40} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 100 = \underline{\hspace{2cm}}\%$$

3. What percentage travel to school by bus?

$$\frac{\hspace{1cm}}{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}\%$$

You do...

The data below shows the results of a survey of 60 students based on how they travel to school.

Walk – 18

Cycle – 24

Car – 6

Bus – 12

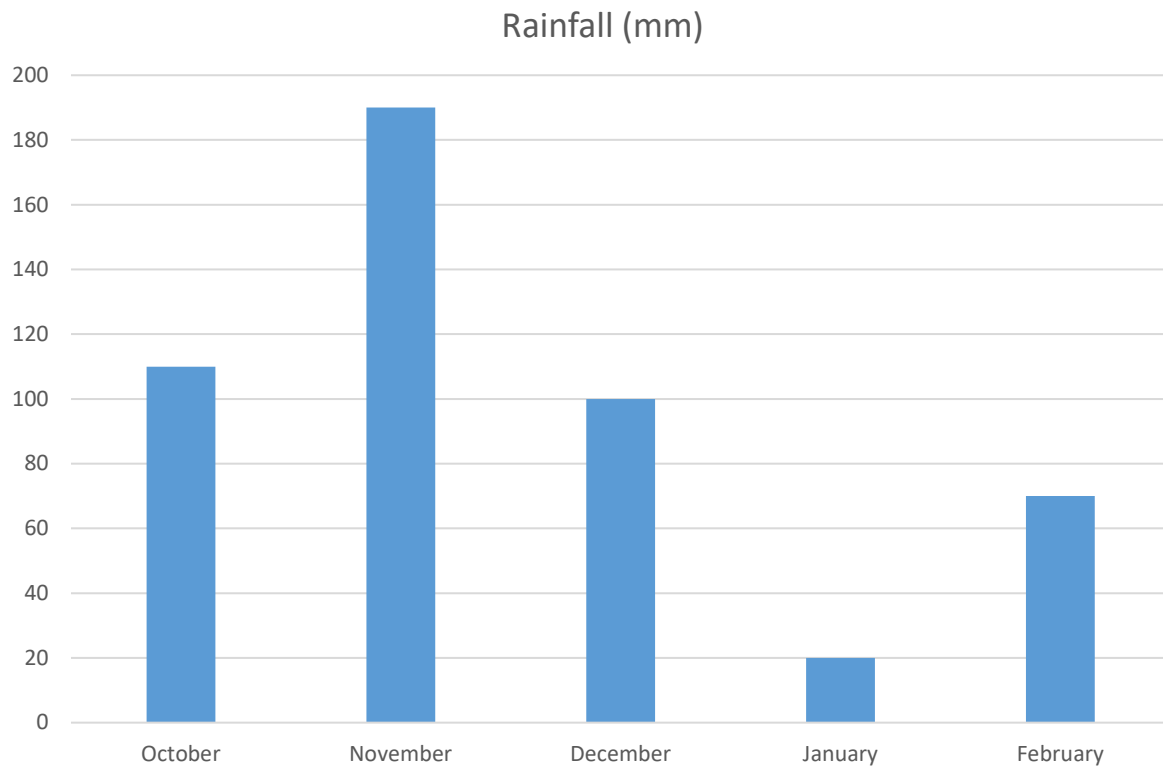
1. What percentage cycle to school?

2. What percentage travel to school by car?

3. What percentage travel to school by bus?



The graph below shows the rainfall in Thornbury from October – February.



Calculate what percentage of the total rainfall fell in each month (to 2dp):
(you will need to find the total first)

Total = 490mm

October: 22.45% (2dp)

November: 38.78% (2dp)

December: 20.41% (2dp)

January: 4.08% (2dp)

February: 14.29% (2dp)