

WTS 1: You do

Paris	London
-2°C	8°C

How many degrees warmer is it in London?

WTS 2: You do

A ship sits in the sea.

The base of the ship is 6m below sea level.

The top of the ship is 12m below sea level.

How tall is the ship?

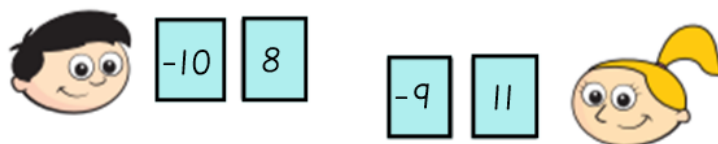
How can you show this visually?

WTS 3: You do

Dexter and Eva are playing a game.

They each choose 2 cards and add up their total points.

The winner is the person with the highest total.



Who has won the game and by how many points?

What evidence do you have to prove this?

WTS 4: You do

This table show how the temperature changed in 3 areas. Complete the table to how how the temperature changed over 3 months.

Town	January	Temperature change	February	Temperature change	March
Longford Road	-4°C	$+3^{\circ}\text{C}$	$\text{---}^{\circ}\text{C}$	$+5^{\circ}\text{C}$	$\text{---}^{\circ}\text{C}$
Bursledon Crescent	-2°C	$\text{---}^{\circ}\text{C}$	-7°C	$\text{---}^{\circ}\text{C}$	2°C
Maple Drive	-10.5°C	$\text{---}^{\circ}\text{C}$	-16.2°C	$\text{---}^{\circ}\text{C}$	-6°C

WTS 5: You do

It's 15°C inside and -3°C outside so the difference in temperature is 19°C .



Is Hilda, the hippo, right or wrong?
Can you prove it?

EXS 1:

True or False?

$$3 - 5 = -(5 - 3)$$

Prove it!

EXS 2:

The table shows the temperatures in four cities in the world.

Leeds	Barcelona	Chicago	Sydney
-5°C	7°C	-8°C	16°C

- How many degrees colder is it in Barcelona than Sydney?
- How many degrees warmer is it in Leeds than Chicago?
- How many degrees colder is it in Leeds than Sydney?
- What is the difference between the temperature in Barcelona and Chicago?
- The temperature in Leeds increases by 4°C .
What is the new temperature?
- The temperature in Chicago decreases by 3°C .
What is the new temperature?

EXS 3:

An explorer was investigating a deep crater.

On day one, she travelled -5.6m down the crater. On day two, she travelled a further -4.8m down the crater. On day three, she travelled 6.8m back up the crater to collect some more supplies. On day four, she travelled another -9.7m back down the crater. On day five, she travelled all the way back up to the top of the crater to return to the surface.

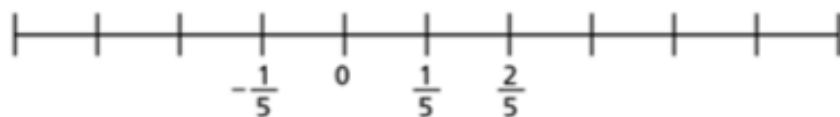
How far did she need to travel on day five to return to the surface?



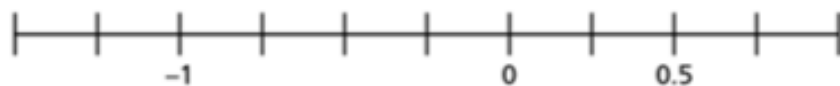
EXS 4:

| Complete the number lines.

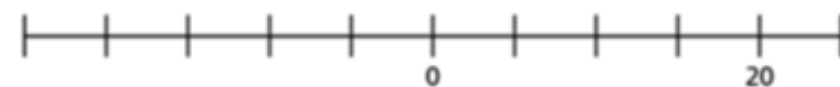
a)



b)



c)

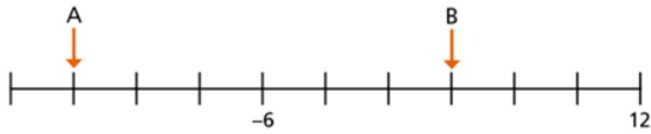


d)



EXS 5:

Work out the values of A and B.



$$A = \square \quad B = \square$$

Complete the calculations.

$$A + B = \square$$

$$A - B = \square$$

GDS 1:

Jai measured the morning temperature of the school playground for one week. On day one, the temperature was -6.5°C . On day two, the temperature increased by 5.7°C . On day three, it dropped by 5.3°C . On day four, it increased by 6.9°C and on day five, it dropped by 1.8°C .

What was the temperature by the end of day 5? _____

Can you prove it?

GDS 2:



= A positive or negative number



= A positive or negative number

Investigate finding the possible values of and if:



+



= 15

Can you use any decimal numbers to make 15?

Is it possible to have two positive or two negative numbers to complete the calculation?

GDS 3:

How do you calculate sums like these?

$$3 - - 2 =$$

$$2 - + 4 =$$

$$5 + - 1 =$$

$$6 - - 3 =$$

Are there any rules to follow?

Investigate this and present what you find to your teacher!

GDS 4

1. Calculate the following:

a. $4 - 5$

e. $-4 + 3$

i. $-2 - -8$

m. $11 - 20$

b. $2 + -6$

f. $-7 + 11$

j. $10 - -9$

n. $43 - 56$

c. $10 - 12$

g. $-4 + -8$

k. $-2 - -16$

o. $-21 + -15$

d. $-10 + 2$

h. $-2 + -3$

l. $7 - -4$

Complete the table.

+	-2	-1	2	5	10
-6				$-6 + 5 = -1$	
-10	$-10 + -2 = -12$				
2					
3			$3 + 2 = 5$		
-4					

