



**Joyfulmathswithruth**

# Functional Skills i/GCSE Foundation

Edexcel

**Unit 1: Number**  
**Lesson 2 - Multiplying**



**To join in please bring:**



**A Glass o water**  
**Some ice cubes**  
**A thermometer**  
**An empty bowel**  
**A calculator**

# Start thinking:

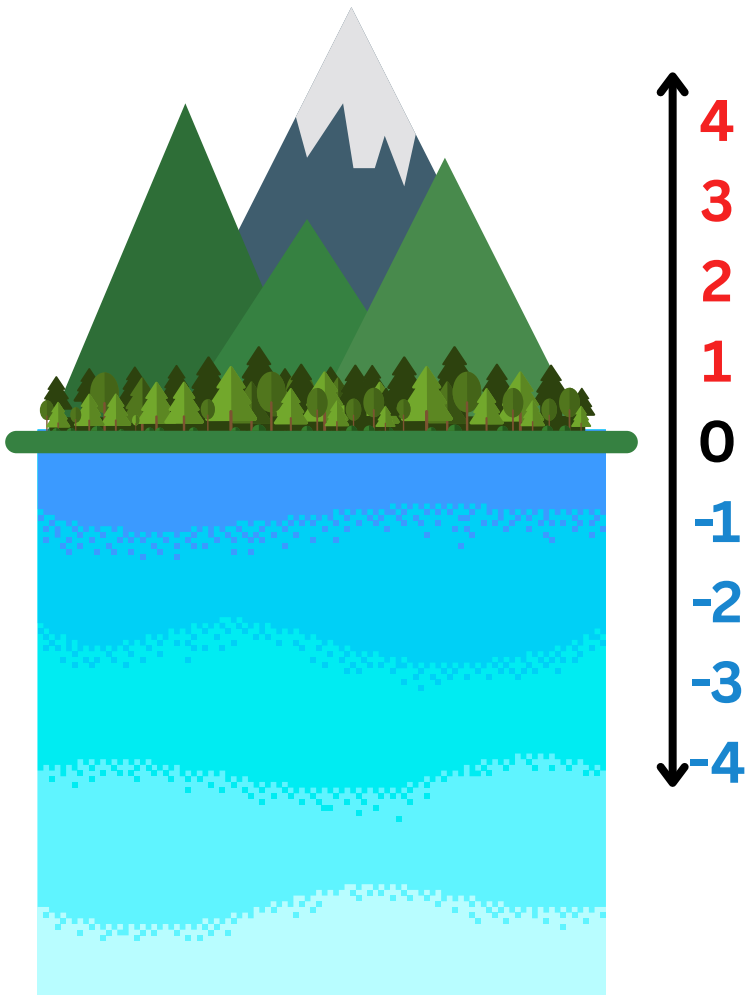
## Start thinking:

-432, 42, 43.2, -4, 42300, 0.32, 4230

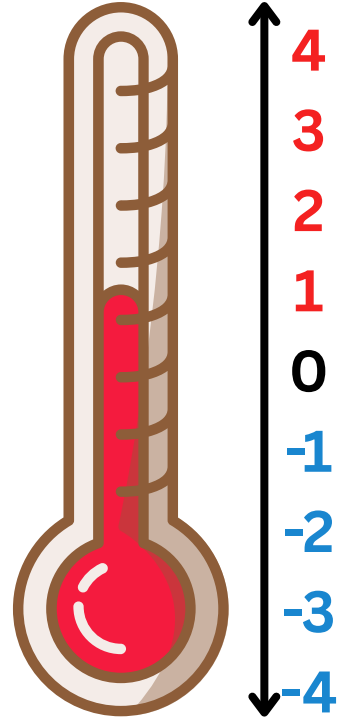
Order these numbers from smallest to largest  
Explain how you did it like you are explaining to a  
very small child

# Below water

If someone starts at 3m above sea level and dives in to -2m below sea level, what is the change in their height?



# Quiz:



Q1:

Q2:

Q3:

What do you notice?

$$45 \times 10$$

$$45 \times 100$$

$$45 \times 1000$$

$$45 \times 10000$$

$$45 \times 100000$$

$$0.32 \times 10$$

$$0.32 \times 100$$

$$0.32 \times 1000$$

$$0.32 \times 10000$$

$$0.32 \times 100000$$

$$243 \times 6$$



600 people went to a charity ice hockey match.

Adult tickets are £7 each. Child tickets are £5 each.

Out of the 900 people at the match, 421 are children.

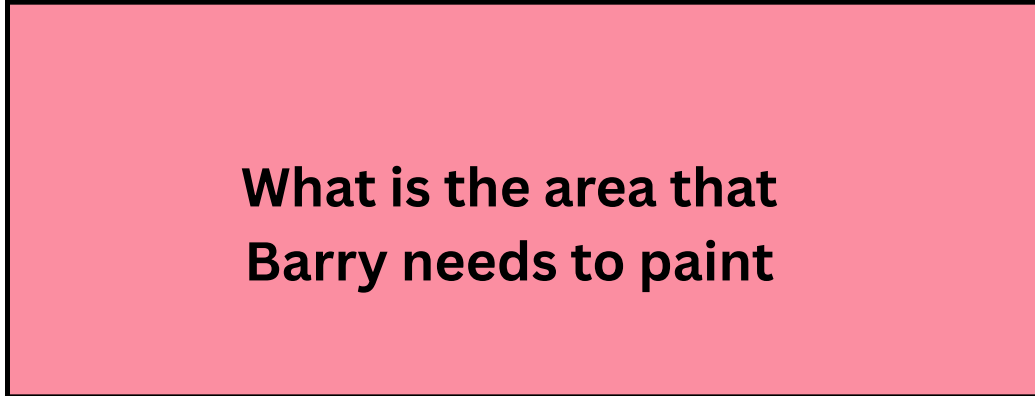
Work out how much money is raised for charity





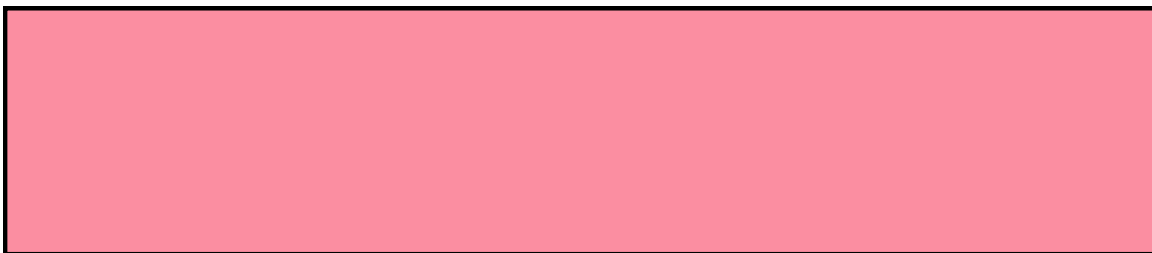
# Painting

24 m



13 m

34m



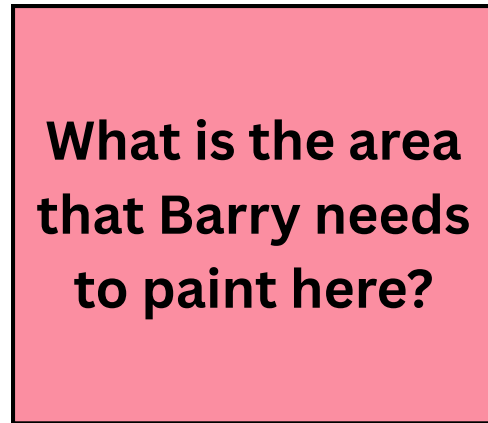
12 m





# Squares

11 m



11 m

$$5^2 =$$

$$9^2 =$$

$$14^2 =$$

$$21^2 =$$

# Quiz time

Question	True	False
1		
2		
3		

# At home:



I only have  
time to do 3  
questions

1. This is the temperature of 5 cities on a day in January. Put them in order from coldest to warmest

Newcastle	York	Carlisle	Manchester	Liverpool
-2	1	5	-3	2

2. A coffee shop sells cups of coffee in 0.3 litre cups. In one day they sell 100000 cups of coffee.  
How many litres of coffee do they sell?

3. Timothy saves £34 a week.  
Calculate how much money Timothy will save in one year.

4. Find the value of 43 squared



## **At home:**

A mug weighs 381g A shelf can safely support up to 2kg.  
Work out if 6 mugs can be placed on the shelf?



## Practice questions

### At home:

Try these on [Transum.org](https://www.transum.org)  
Mental Strategies

It is also worth looking at the many different ways you can do multiplication on Nrich [here](#) and using my Number Sense Videos [here](#)

*Remember - if you do 1 question 3 ways you will make more brain connections than doing 10 questions 1 way*