

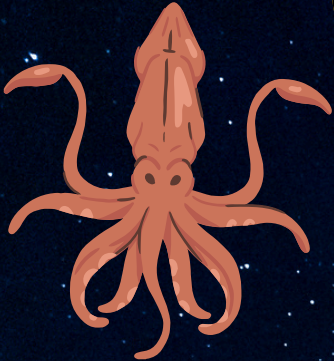


**Joyfulmathswithruth**

**Maths In ~~Motion~~**

**The ocean**

**The midnight zone**



**To join in please bring:**

↓

**Some tape, cushions, long thing to mark out a start and finish line on the floor**

## Something to think about:

If Joe runs 2 miles in 30 minutes and Sally runs 3 miles in 30 minutes, who finishes first?



Joe



Sally

Space for your thoughts or a picture



# Experiment

Measure out 2 m

What changes? 

What stays the same? 

**Speed**

**Distance**

**Time**

**Run**

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**Walk**

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**Sally**

**Speed**

**Distance**

**Time**

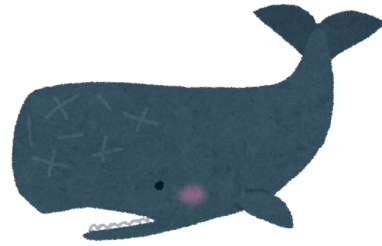
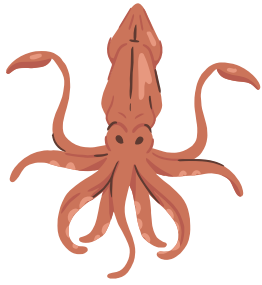



**Joe**

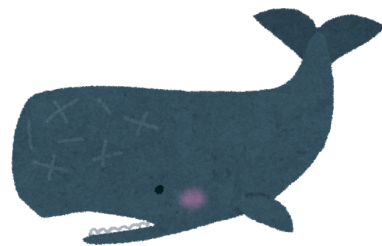
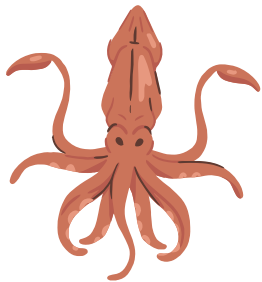
$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

# Colossal Squid Vs Sperm Whale

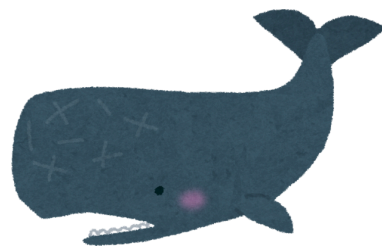
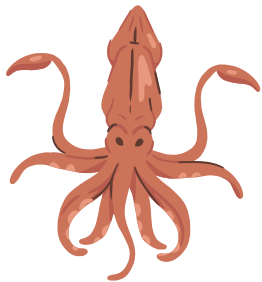
1



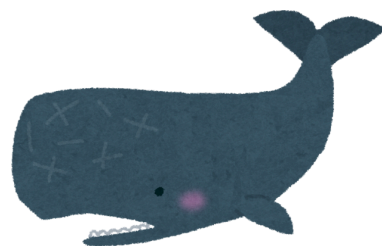
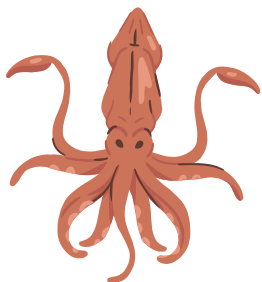
2



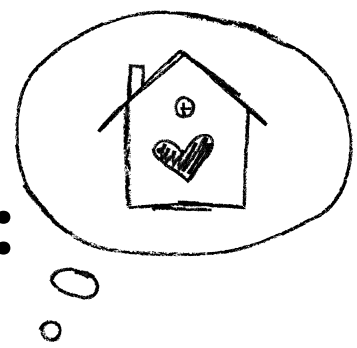
3



4

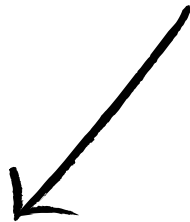


# Explore at home:

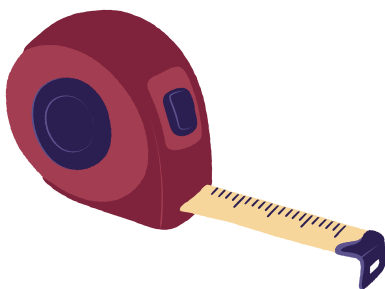


Family and friend races

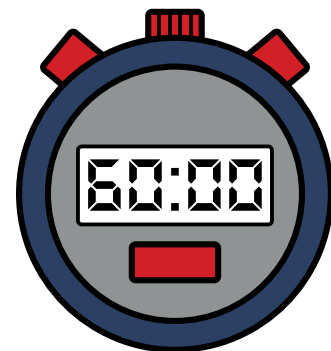
$$\text{Speed} = \text{distance} \div \text{time}$$



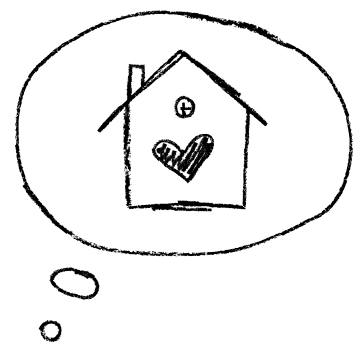
You will need to  
decide on a distance,  
measure it out and  
mark it



You will need  
something to time it  
with



# Explore at home:



Use the chart on the next page to calculate what or who would win the race!

Check out race ideas below or come up with your own!

**Dropping stones  
into water**

**Egg and Spoon**

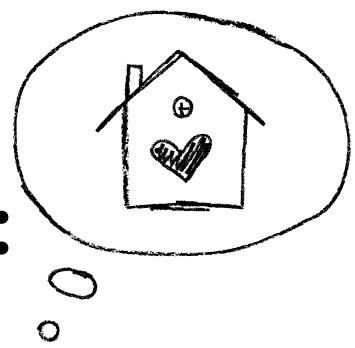
Race ideas

**Water  
balloons**

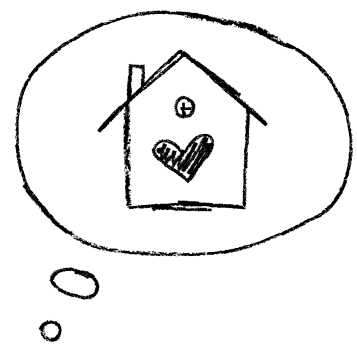
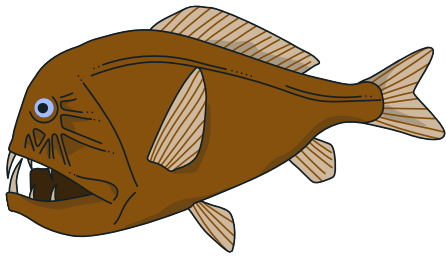
**Paper  
aeroplanes**

Fill each balloon with a different amount of water and throw them out of a window!

**Explore at home:**



<b>Name</b>	<b>Distance</b>	<b>Time</b>	<b>Speed</b>



## Explore at home:

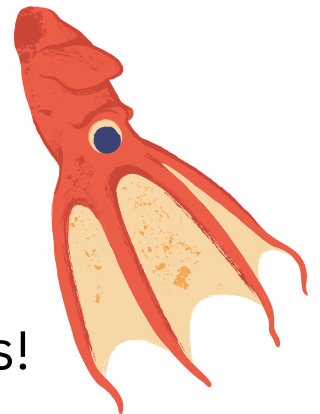
### Midnight zone fact file:

Choose an animal from the midnight zone to make a fact file about! Print out pictures, write down facts, draw their habitat - I would love to see what you do!

Or

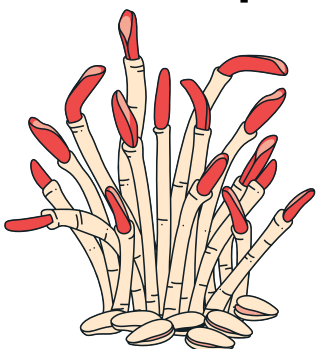
### Get creative:

Create an animal from the midnight zone !  
I would love to see your amazing creations!



You can look up information in a book or use a website like this one:

<https://thekidshouldseethis.com/post/ocean-midnight-zone-mbari-video>



**Joyfulmathswithruth**

# Joyful maths fact file



**Creature Name:**

**Size and appearance**

**Lifespan**

**Diet**

**Fascinating Facts!**

# Habitat

