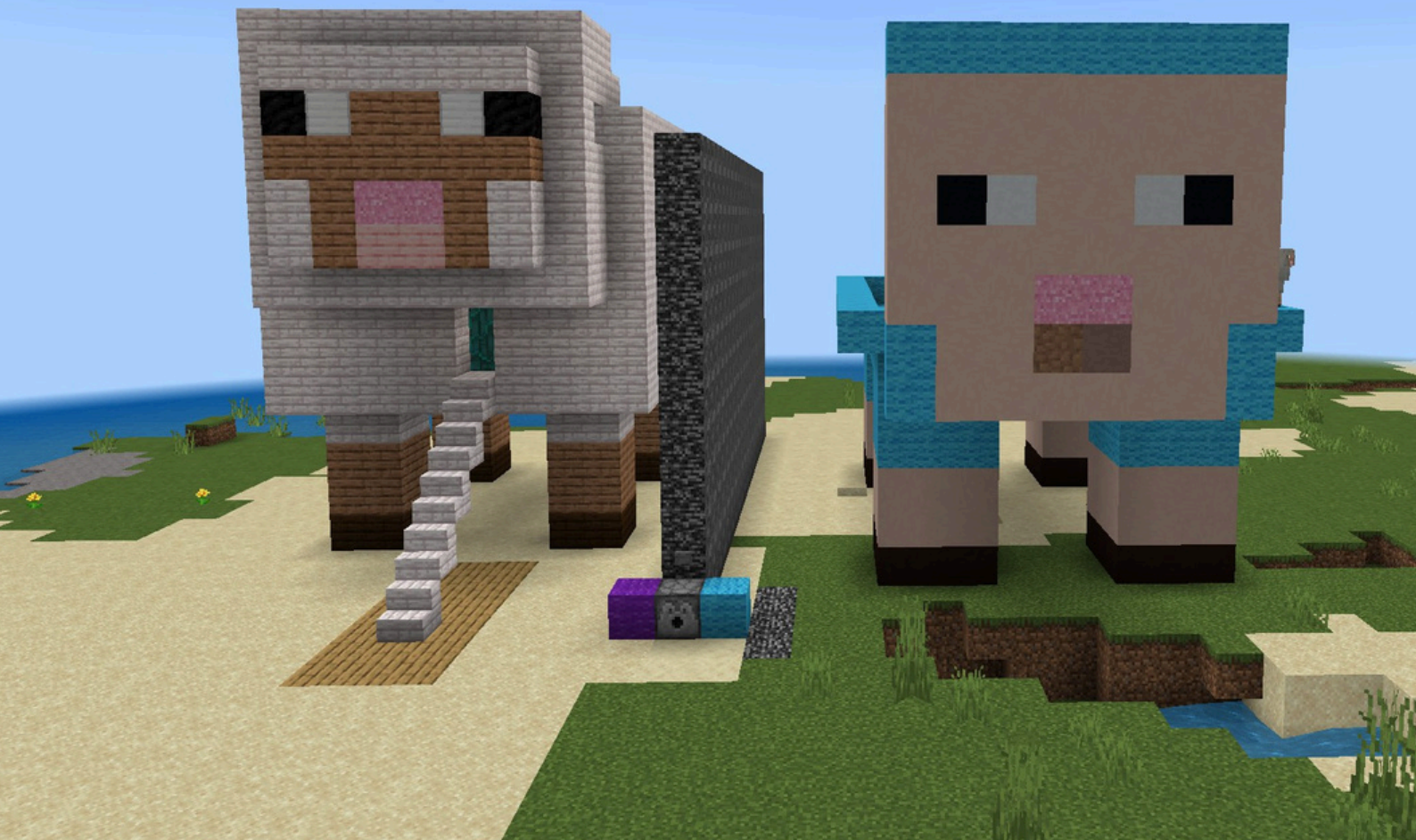


Maths In Motion

MINECRAFT

Workbook

Lesson 5: Build battles



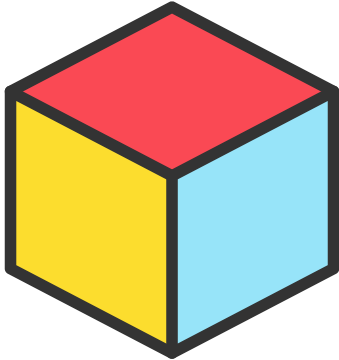
Scoring system

Decide what you want to score you battle on and put them here

What will your score each category out of? Put it here

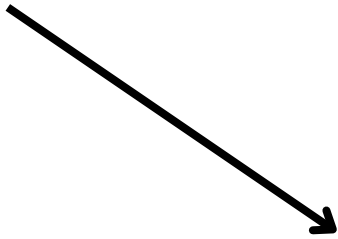
Categories	Score out of.....

Start with 1 block

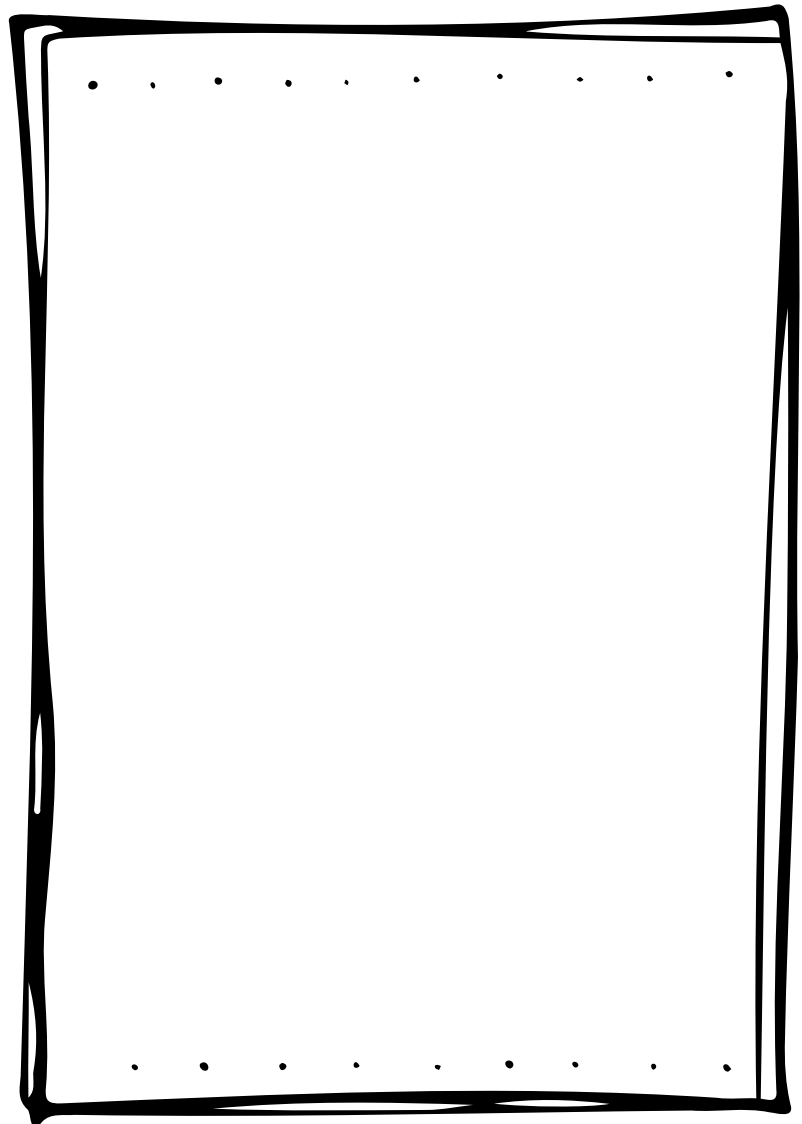


I want to double the length of this cube. How many cubes do I need?

Draw it here



What do you notice?



Length - tape measure



length

Area - piece of paper

width



length

Volume - cube

height



width



length



Method 1:

Replace every block with a bigger block



If you look at the original torch, it is made up of tiny cubes

I replaced every tiny cube, with a larger cube to make a scale version



Build battle - sheep/sheep house

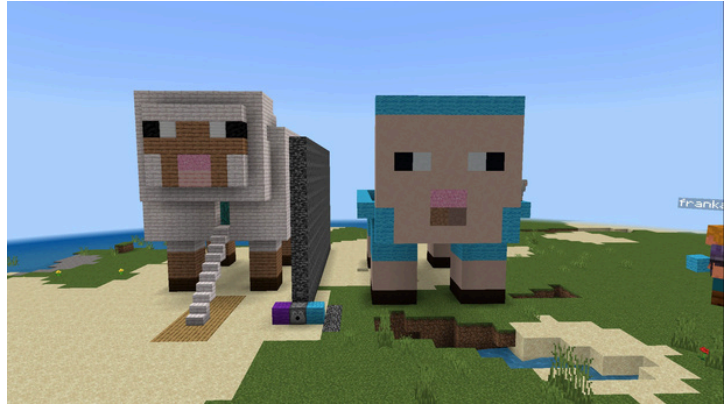
TOP TIPS!

1. Build a huuuge wall - this will ensure you can't cheat by taking a sneaky look at each others builds (make it bigger than you think you will need)
2. Create a random battle generator.
 - Use an anvil to rename some pieces of paper with your different build battle ideas on them.
 - Place them in a dispenser with a button on top
 - Use the button to dispense a random build



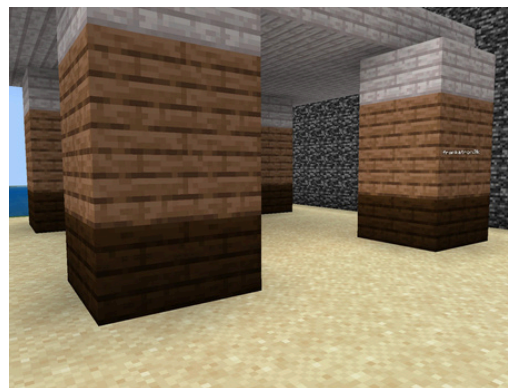
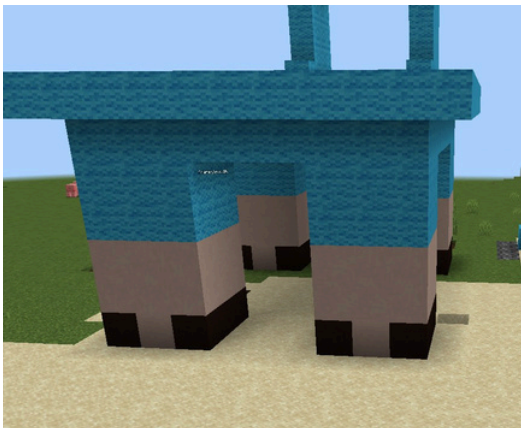
Method 2: Estimate

What do you notice about the height of our 2 sheep?



What do you notice about the width of the legs of our sheep?

Look at the hooves on these:



What would you go for - details or speed?




Method 3: Scale

Grab your toy or teddy to measure



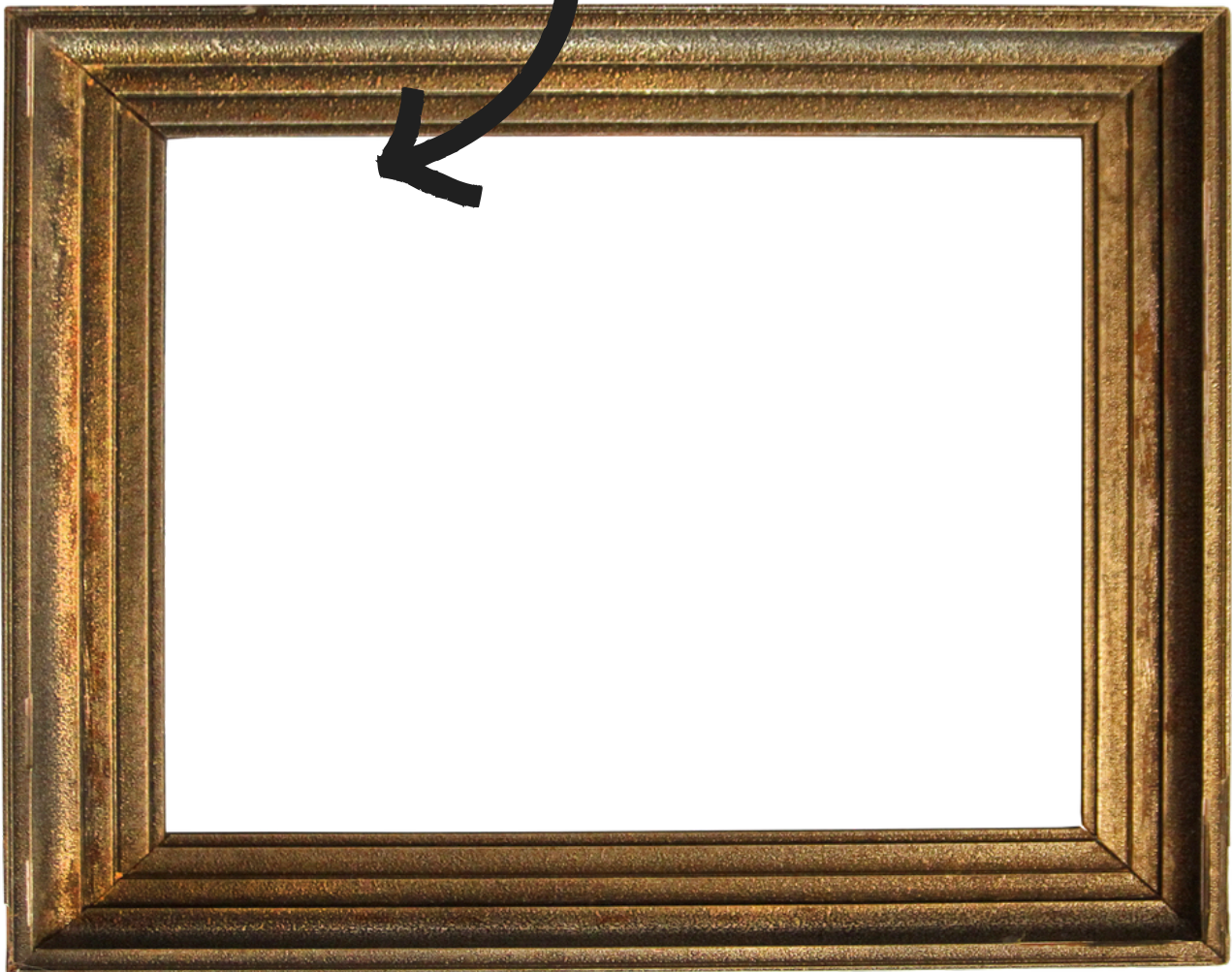
1:3

We are going to use the scale 1:3
which means we need to multiply
every length by 3

Maths Mob Monkey	Put your measurements here	Put your scale measurements here (x3)
Height 		
Width 		
Length 		

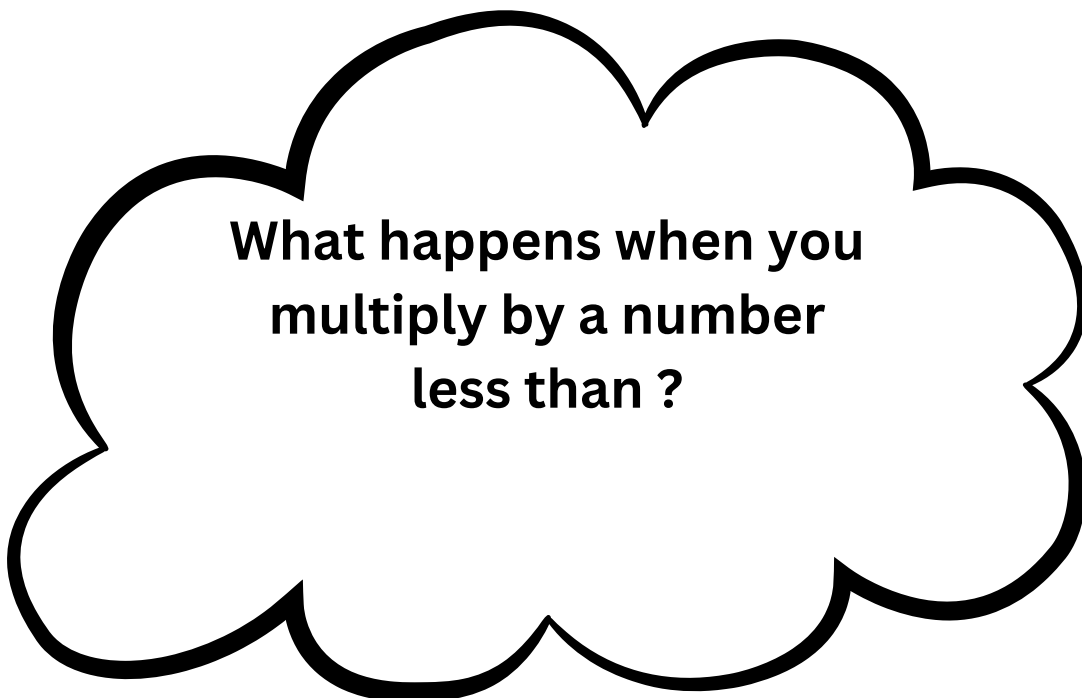
Method 3: Scale

Take a photo of your scale build
and put it here



Quiz!! - What would I multiply by?

Question	Answer



Home challenge:

Decide on and do your own build battle.

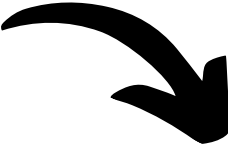
Questions to think about:

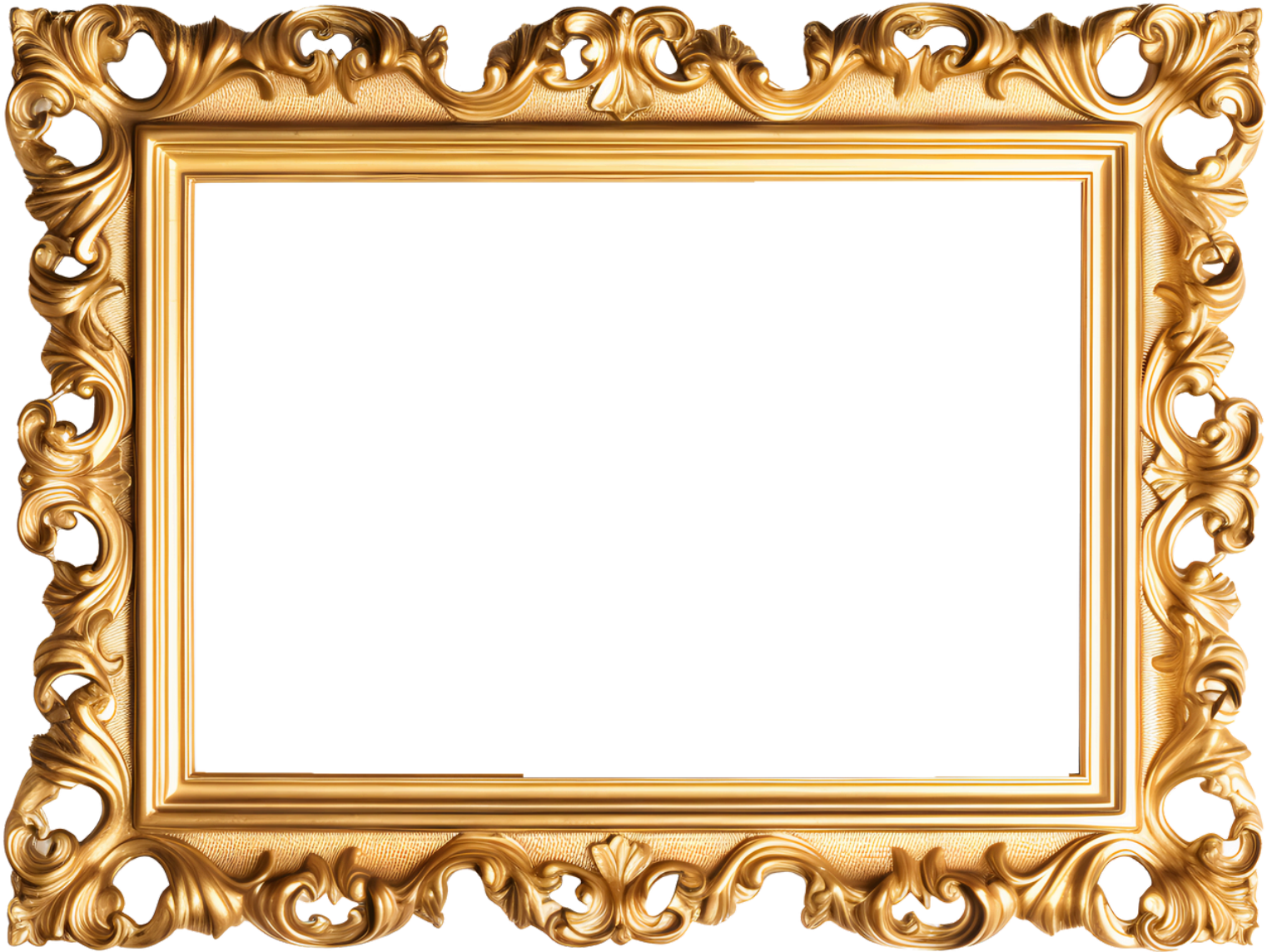
1. What will you use to do your build? (Minecraft? Lego? Recycling?)
2. What will you build?
3. What will your scoring system be?
4. Will your battle be timed?

Make your plan here



Photos!

Put a picture here 



Who won and why?

