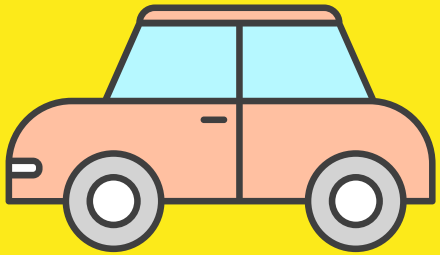
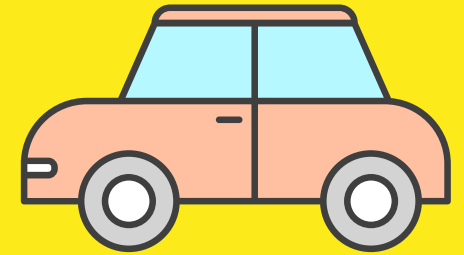


CRAFT A CAR - ACTIVITY



GUIDE



This activity aims to target areas of learning such as:

- Creativity
- Imagination
- Maths
- Design Technology

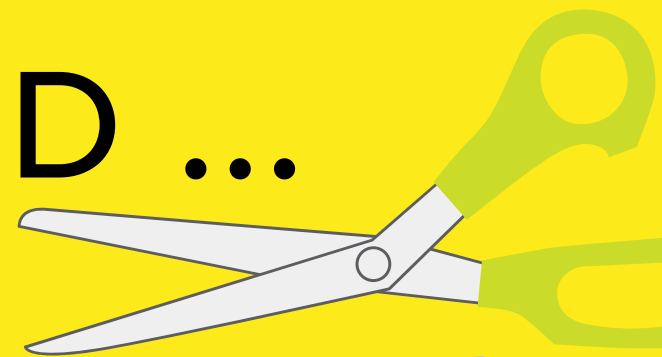
Please look out for the ways in which this can be adapted due to different materials in the classroom or house hold. If you require some help please email Careers@theimi.org.uk

YOU WILL NEED ...

Any type of flexible
cardboard



Toilet roll tubes



Safety scissors (adult
supervision)



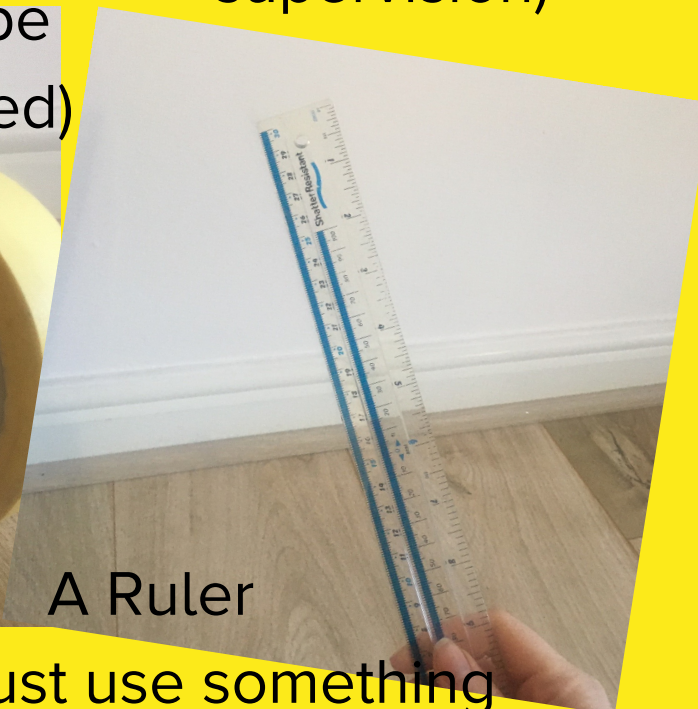
Masking Tape
(Glue or normal tape
can be used if needed)



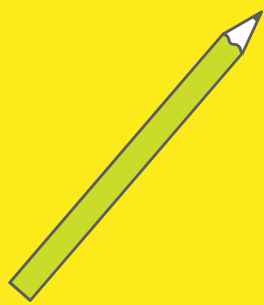
Pens or pencils



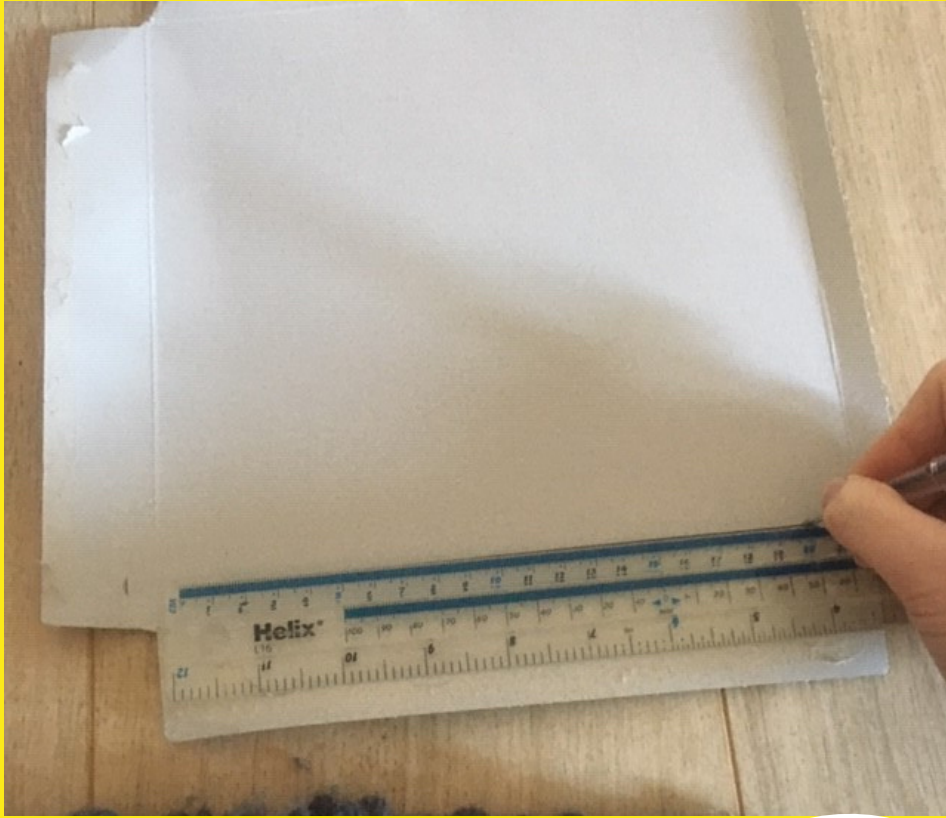
A Ruler



(Can just use something
with a straight edge if
needed)



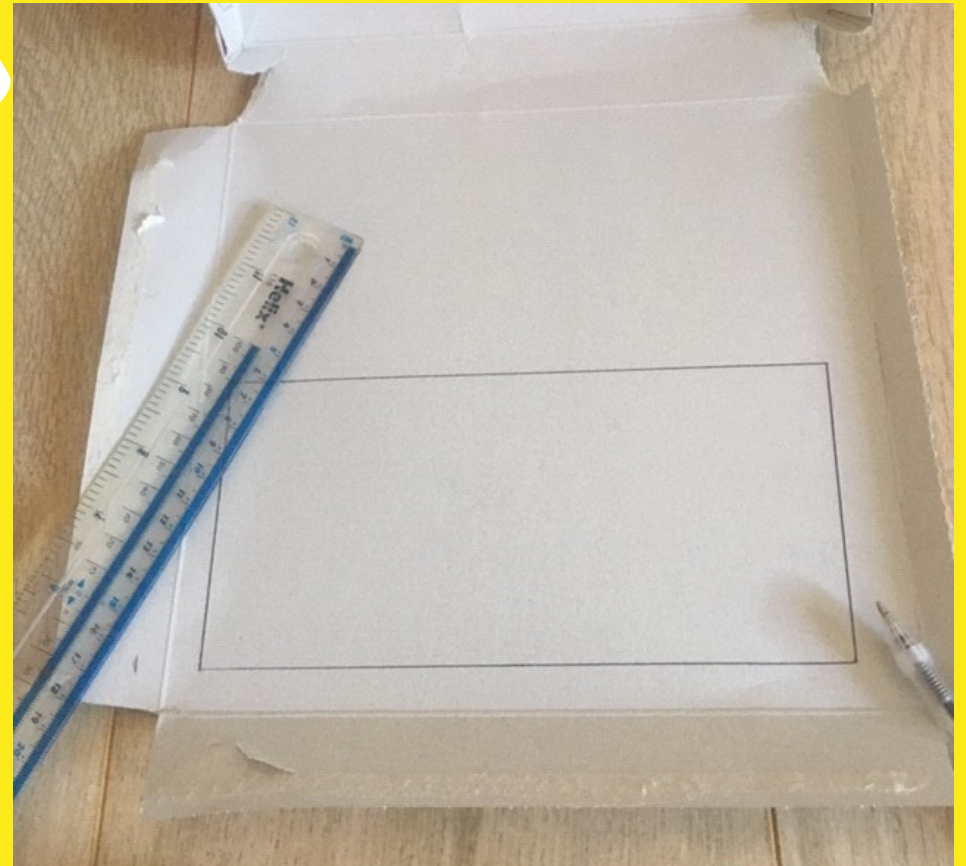
STEP 1...



START BY DRAWING
THE LENGTH OF YOUR
CAR. ANY LENGTH -
MAKING SURE IT'S
LONGER THAN THE
WIDTH OF 2 TOILET
ROLL TUBES

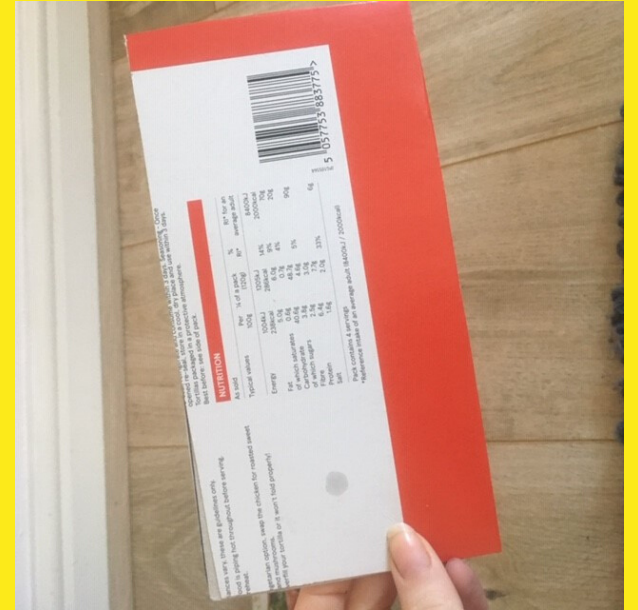
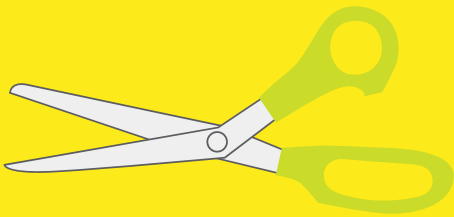


THEN CREATE A
RECTANGLE . THE
WIDTH MUST BE THE
LENGTH OF THE
TOILET ROLL TUBE

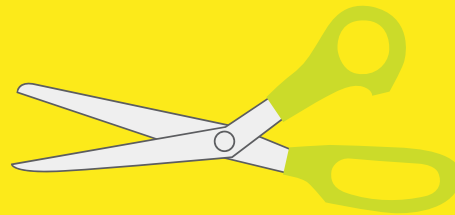
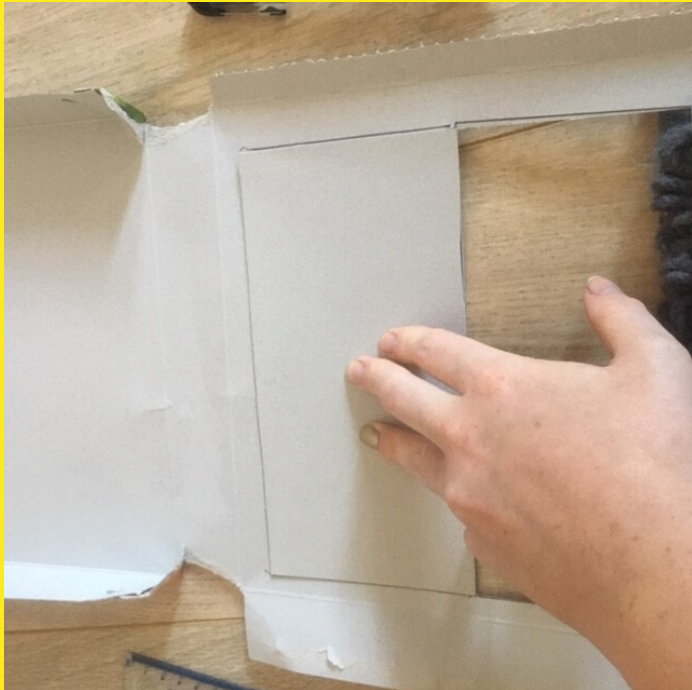


STEP 2...

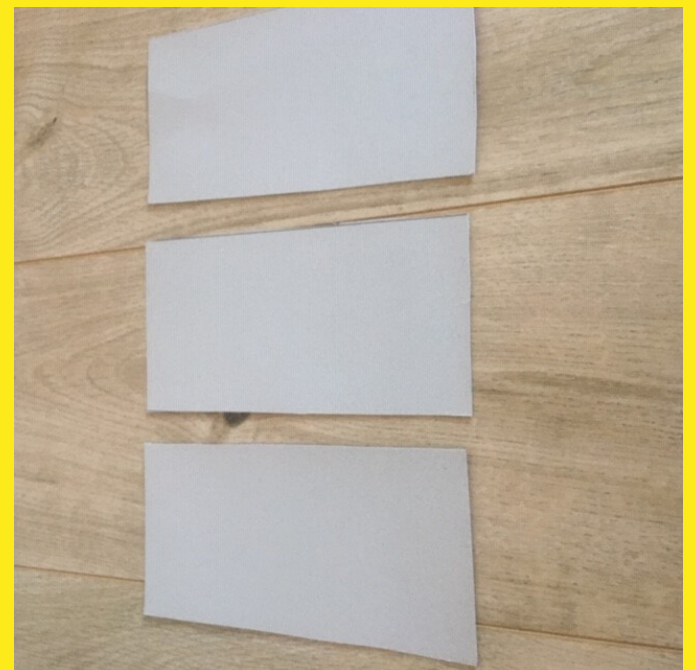
CUT OUT YOUR
RECTANGLE



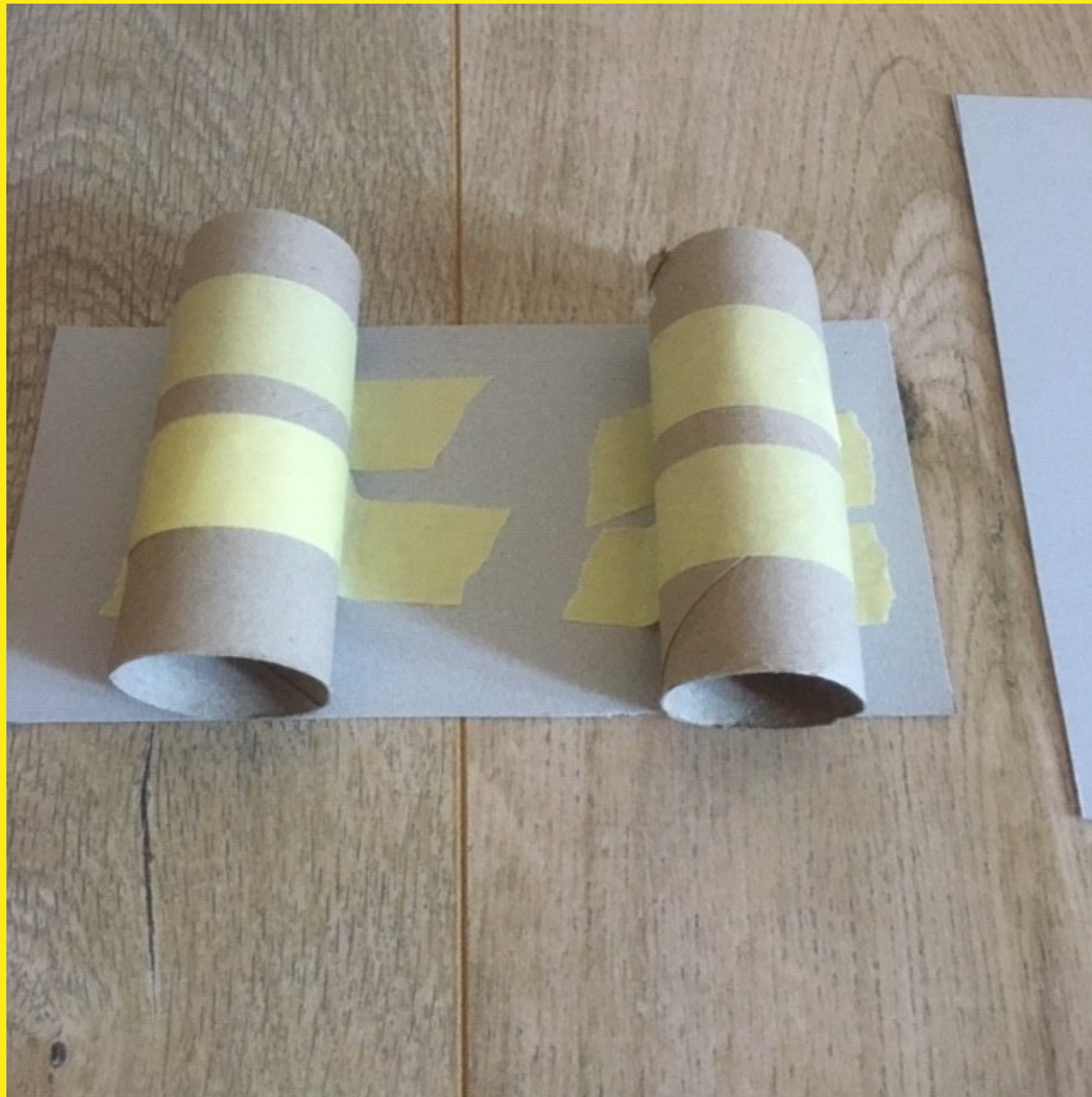
DRAW AROUND
IT 2 TIMES



CUT THEM OUT SO YOU
NOW HAVE 3 RECTANGLES



STEP 3...



STICK YOUR
TOILET ROLL
TUBES TO THE
BLANK SIDE OF
ONE OF THE
RECTANGLES.

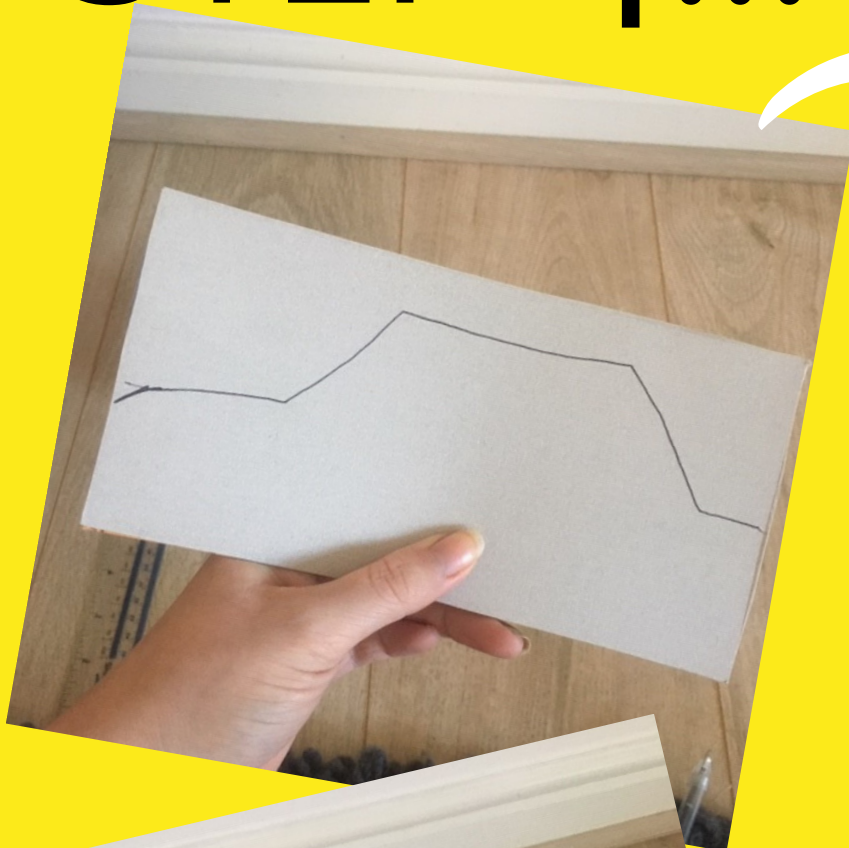
THEN LEAVE TO
ONE SIDE

THE CARDBOARD SIDE ALLOWS YOU TO APPLY
COLOUR LATER.

IF YOU USE GLUE YOU WILL NEED TO WAIT FOR IT
TO DRY BETWEEN STAGES!



STEP 4...



DRAW THE SHAPE OF YOUR CAR, KEEPING IT THE SAME LENGTH OF THE RECTANGLE. IT CAN BE ANY SHAPE BUT STRAIGHTER LINES MAKE THE NEXT STAGE EASIER.

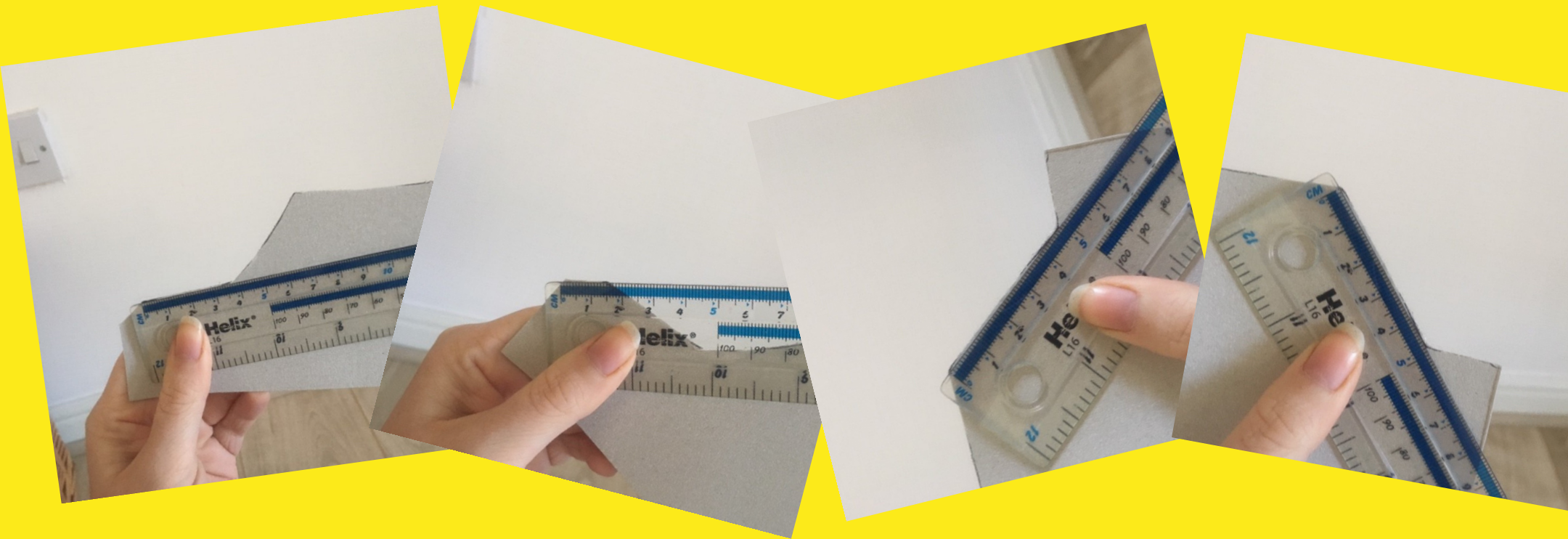


PLACE THE 2 PIECES OF CAR TOGETHER SO THAT THE COLOURED SIDES ARE TOUCHING AND CUT AROUND YOUR CAR SHAPE

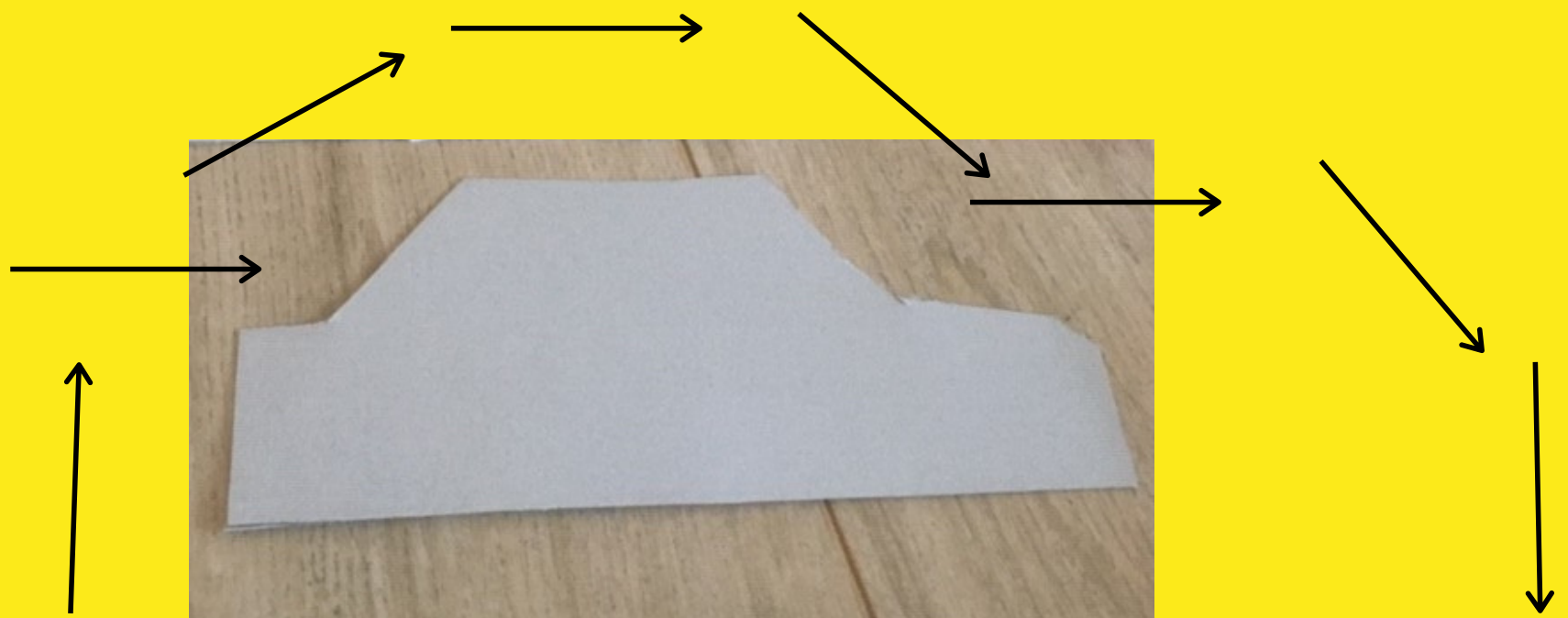
YOU SHOULD HAVE
X2 OF THESE!



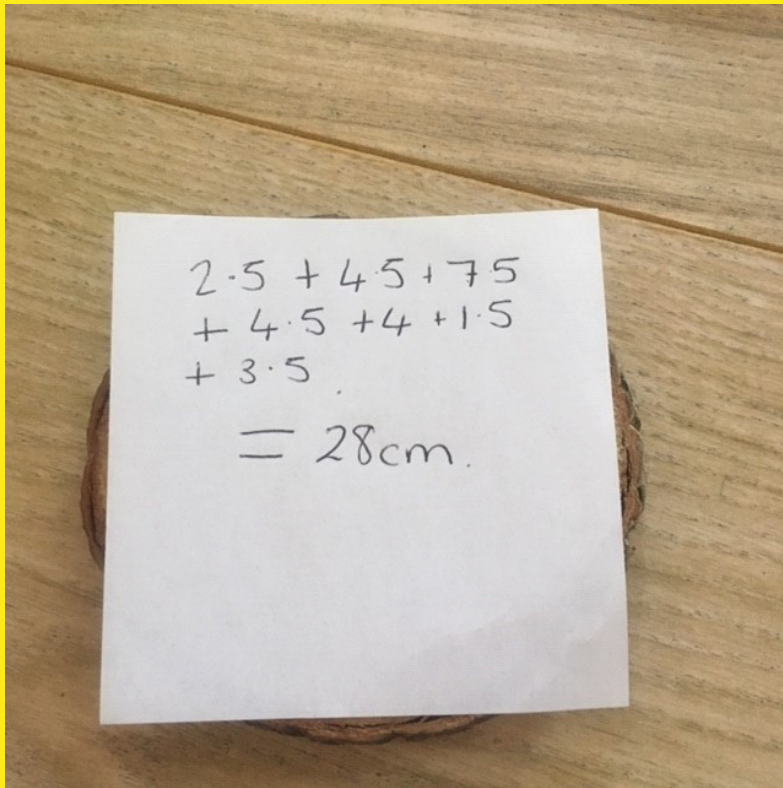
STEP 5...



MEASURE ALL OF THE EDGES EXCEPT THE BOTTOM
EDGE. MAKE SURE YOU WRITE THEM DOWN



STEP 6...

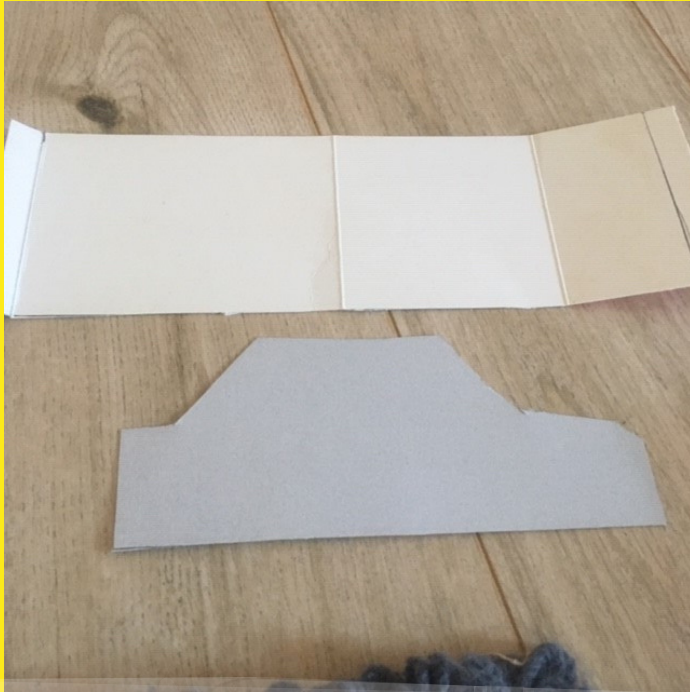


TIME FOR SOME MATHS :
ADD UP ALL OF THE
NUMBERS. THEN ADD AN
EXTRA 2CM TO EACH
SIDE (+4)
MINE IS $28+4 = 32$

DRAW A LARGE RECTANGLE
(THE LENGTH OF TOILET ROLE
TUBE X SUM OF CAR
MEASUREMENTS TAKEN.)
CUT THIS OUT!

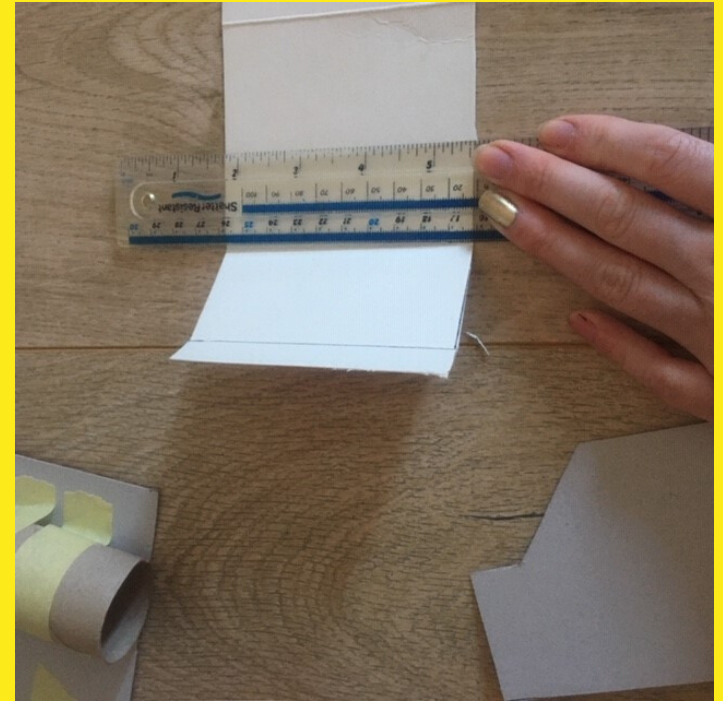


STEP 7... IT'S GETTING TECHNICAL

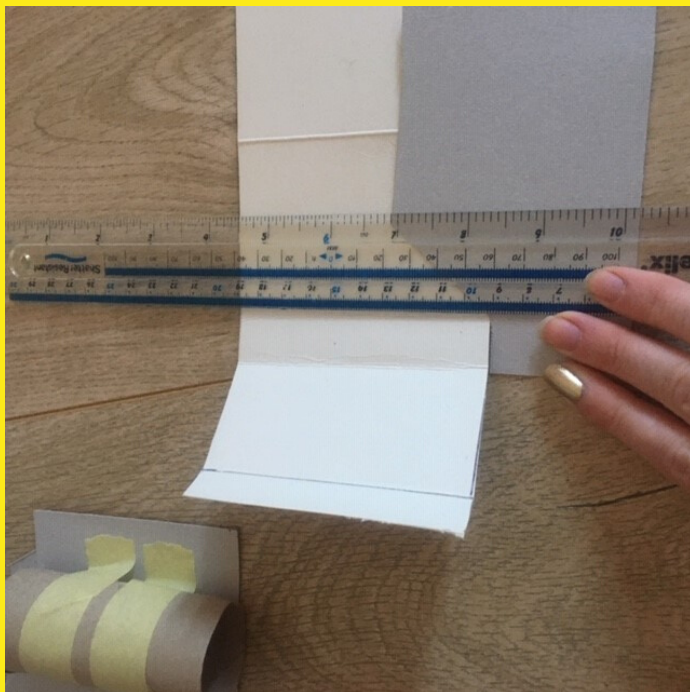


LEAVE 2CM BEFORE THE
FIRST BEND

YOU WILL
NOW NEED
TO BEND
YOUR CARD
SO THAT THE
CORNERS
ALIGN WITH
THE BENDS



FOLLOW THE EDGES OF
YOUR CAR JUST LIKE
BEFORE



USE A RULER
TO HELP UNTIL
YOU HAVE
SOMETHING A
LITTLE LIKE
THIS



STEP 8...

START BY
ALIGNING
THE ROOF
SECTIONS,
AND STICK
TOGETHER

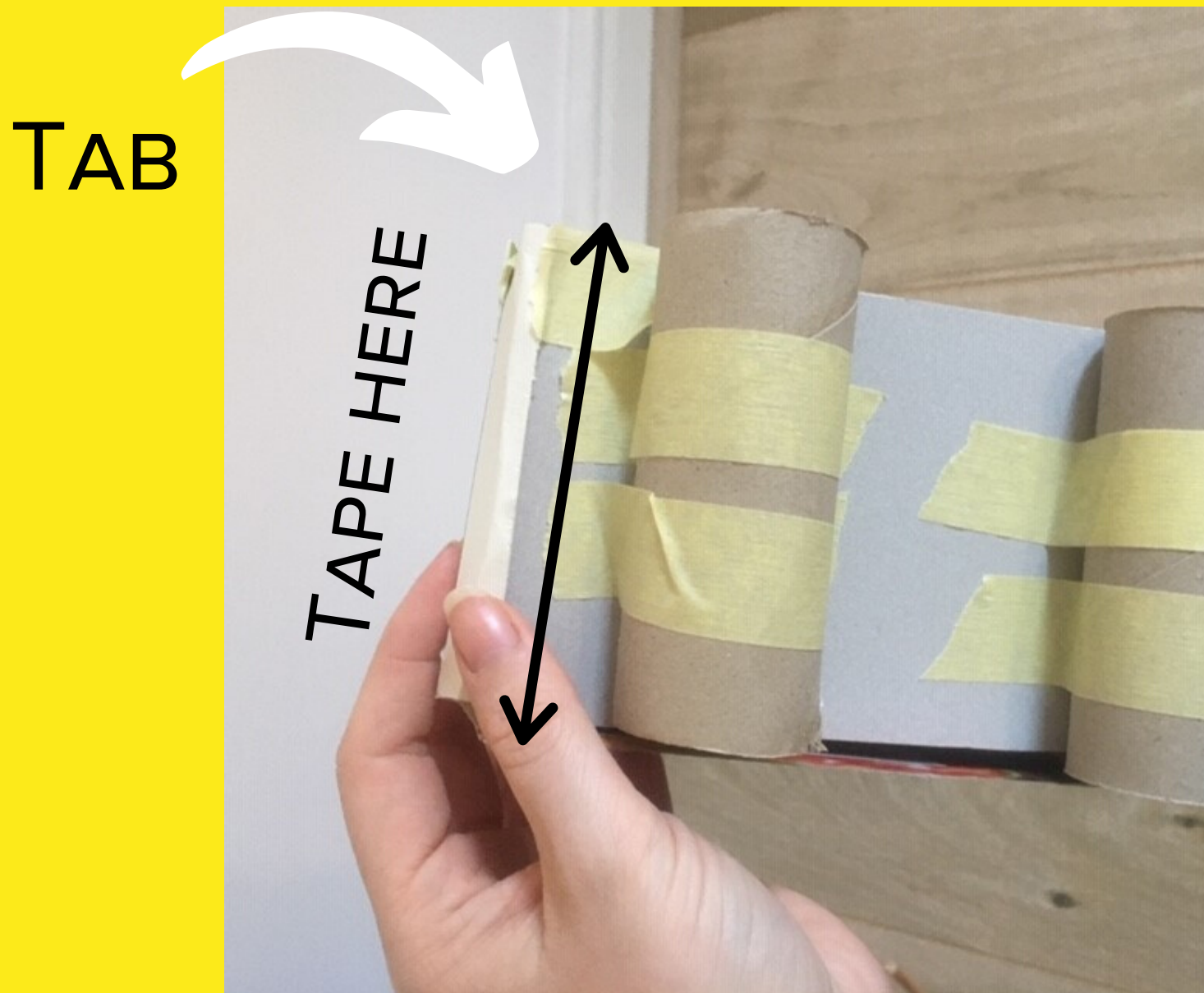


CAREFULLY
BEND THE LONG
PIECE OF CARD
AND STICK ALL
OF THE EDGES
LIKE THIS



HERE YOU
WILL FIND
THE EXCESS
TO BEND
UNDER THE
BASE

STEP 9...



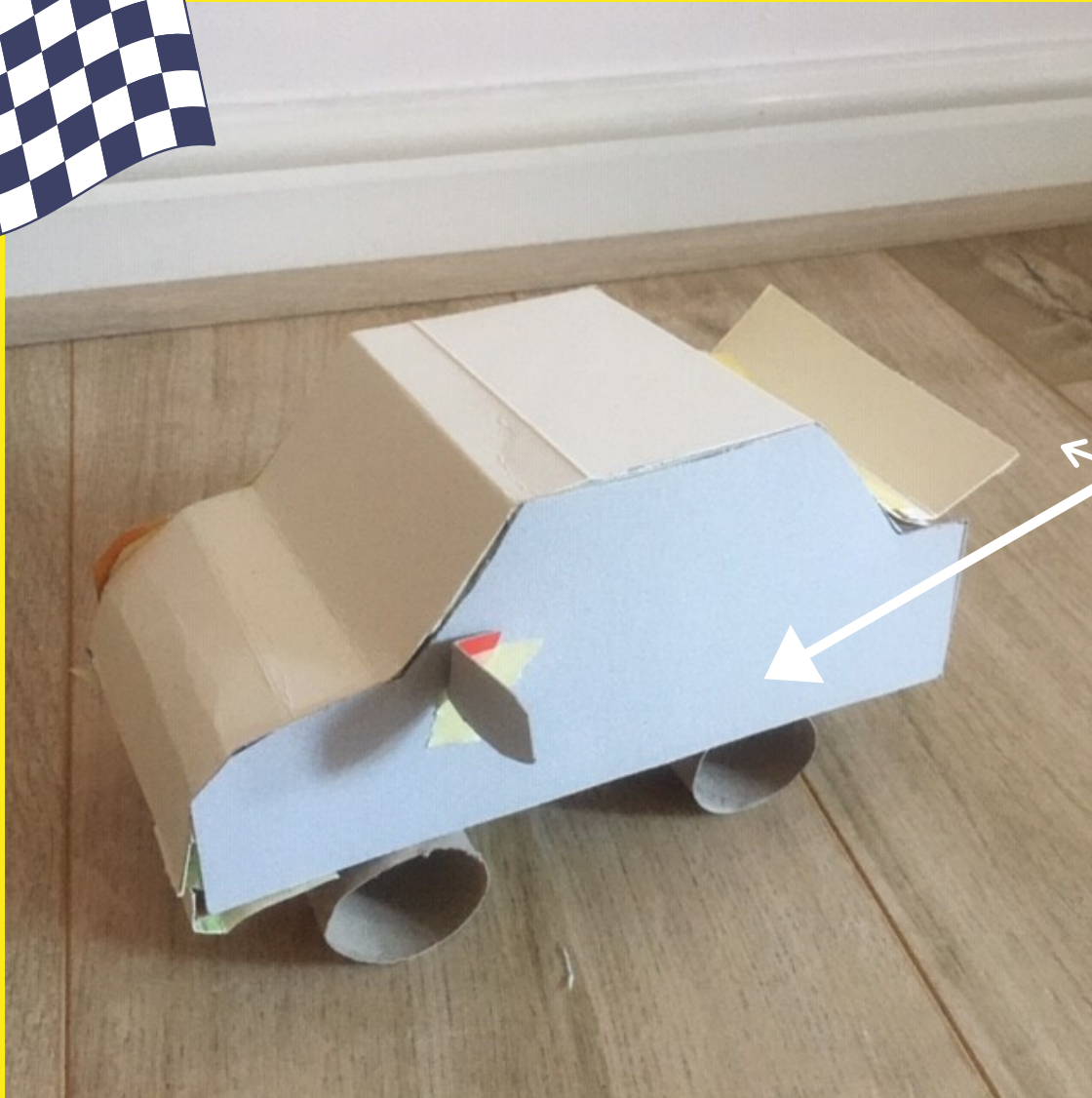
ADD THE BASE AND TAPE DOWN
USING THE EXCESS CARD TABS THAT
WERE ADDED!

STEP 10...

TURN IT OVER AND YOU SHOULD
HAVE SOMETHING SIMILAR TO ...



STEP 10... CONTINUED



YOU CAN ADD
EXTRAS:

WING MIRROR

SPOILER

AERIAL

LIGHTS

(YOU COULD EVEN ADAPT AND
CUT OUT WINDOWS AT THE
START)

NOW ADD YOUR COLOUR WITH PAINT OR PENS!

USE YOUR IMAGINATION AND SHOW US YOUR

CREATION BY SENDING YOUR PICTURES TO

CAREERS@THEIMI.ORG.UK