

CHALLENGE 1:
IDENTIFY THESE ICONS.

CHALLENGE 2:
CHOOSE ONE ICON AND
EXPLAIN WHAT ITS LOGO
REPRESENTS.

CHALLENGE 3:
CHOOSE AN APP AND
CREATE YOUR OWN ICON
FOR IT!



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TECHNOLOGY CHALLENGE!



LOOK CLOSELY!

CHALLENGE 1:
CAN YOU IDENTIFY THESE MAGNIFIED
IMAGES? EXPLAIN YOUR GUESS.

CHALLENGE 2:
CAN YOU TAKE YOUR OWN CLOSE UP
PICTURE, ZOOMING IN AS IF IT IS
UNDER A MICROSCOPE? SHARE IT WITH
US TO SEE IF WE CAN GUESS!



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SCIENTIFIC CHALLENGE!







STARFISH



CHICKEN



SNAKE

ODD ONE OUT!

LOOK AT THE IMAGES AND TRY TO IDENTIFY WHICH ONE IS THE ODD ONE OUT. DON'T FORGET TO EXPLAIN WHY YOU HAVE CHOSEN IT!

THINK ABOUT...

- WHERE THEY LIVE
- THEIR PHYSICAL FEATURES AND CHARACTERISTICS
- WHAT THEY EAT
- ANYTHING ELSE YOU CAN THINK OF!




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SCIENTIFIC CHALLENGE!



SCIENTIFIC HALL OF FAME!








CAN YOU NAME THE FAMOUS SCIENTISTS?


TALK ABOUT THEIR DISCOVERIES, WHY THEY ARE FAMOUS AND ANY OTHER INTERESTING FACTS YOU KNOW OF OR FIND OUT!

IS THERE A FAMOUS SCIENTIST THAT INSPIRES YOU?

WHO IS IT, WHAT DID THEY DO AND WHY DO THEY INSPIRE YOU?



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SCIENTIFIC CHALLENGE!

DURING LOCKDOWN YOU HAVE NOTICED THAT A PIPE HAS BURST AND IT HAS STARTED TO LEAK INTO DIFFERENT ROOMS!

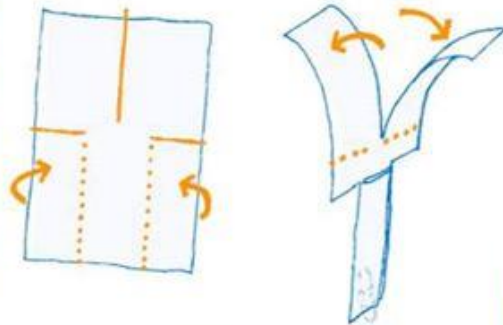
1. WHICH ROOM WILL FILL UP WITH WATER FIRST?
2. CHOOSE THE BEST MATERIAL TO STOP THE LEAK. EXPLAIN WHY YOU HAVE CHOSEN IT.
 - SPONGE
 - RUBBER
 - WOOD



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ENGINEERING CHALLENGE!



CAN YOU DESIGN AND CREATE YOUR OWN PAPER HELICOPTER?



YOU WILL NEED:

- A SHEET OF PAPER
- PAPER CLIPS
- SCISSORS

1. TAKE A PIECE OF PAPER AND MAKE THREE CUTS AS SHOWN IN THE ILLUSTRATION. THEN FOLD THE PAPER IN ON ITSELF AT THE BOTTOM HALF – USE A PAPER CLIP TO KEEP THE SIDES TOGETHER.
2. FOLD THE TWO HALVES OF THE REMAINING PAPER AWAY FROM EACH OTHER, TO FORM THE HELICOPTER BLADES.
3. STAND CAREFULLY ON A CHAIR AND DROP YOUR HELICOPTER, MAKING SURE IT STAYS UPRIGHT AS YOU LET GO!



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ENGINEERING CHALLENGE!

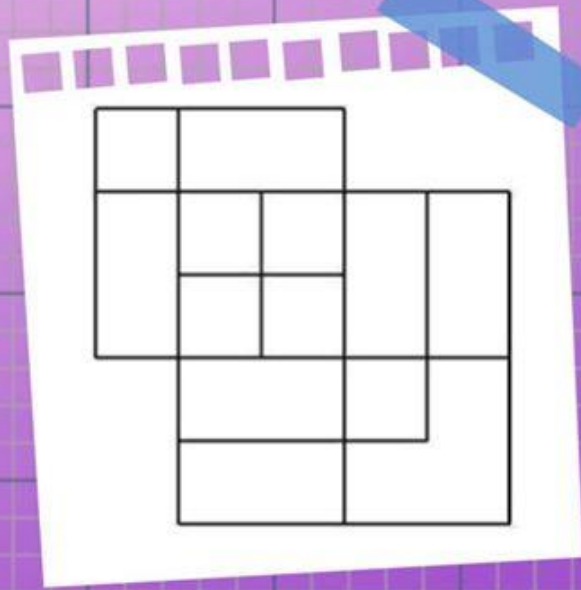




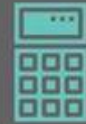
LOOK CLOSELY...
HOW MANY SQUARES CAN YOU
SEE IN THE PUZZLE?

TOP TIPS!

- ONLY COUNT THE SQUARES
- THERE MAY BE A SQUARE WITHIN A SQUARE!



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MATHS CHALLENGE!



TARGET NUMBER
CAN YOU GET TO THE TARGET USING THE
NUMBERS BELOW?

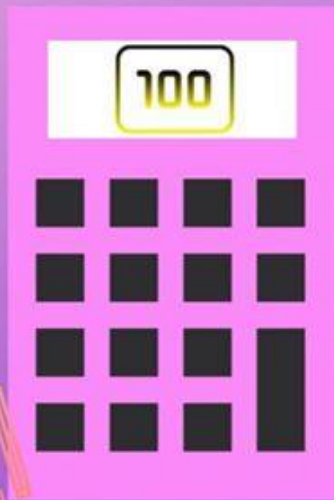
50

25

3

2

YOU CAN USE THESE TO GET TO THE TARGET!



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MATHS CHALLENGE!

