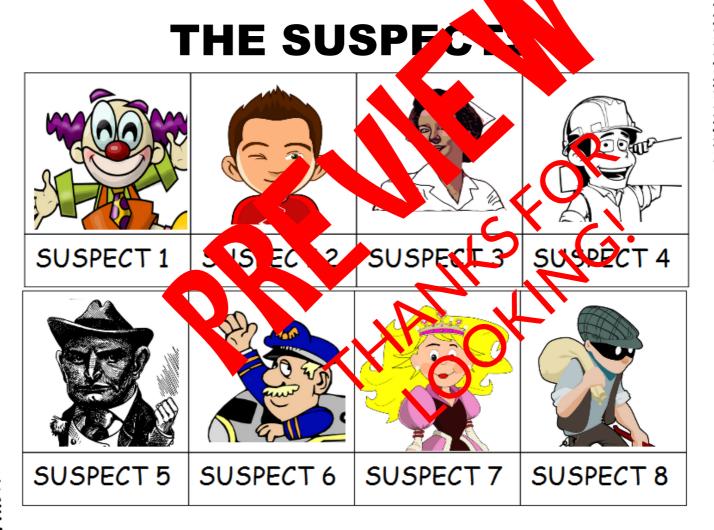
# MATH DETECTIVES CRIME SCENE INVESTIGATION

Last night in the peaceful town of Chill-Ville a horrible crime took place. Someone broke into the bank, shot the security guard and stole one million dollars.

One of the eight suspects below committed the crime but the police need your help to find out where.



### THE POLICE HAVE FOUND 4 CLUES.

AFTER YOU HAVE SOLVED EACH CLUE COME BACK HERE TO CROSS PEOPLE OFF THE SUSPECT LIST UNTIL YOU HAVE FOUND THE CRIMINAL

# CLUE 1: HIDDEN MESSAGE

IT APPEARS THE SUSPECT LOVES MATH RIDDLES AND HAS LEFT A MATHS CLUE AT THE SCENE OF THE CRIME. THE POLICE HAVE FOUND THE FOLLOWING SET OF MATH CLUES AND NEED YOUR HELP TO CRACK IT TO FIND THE MESSAGE

Solve the problems, then fill in the message spaces with the letters that match the correct answers to read the secret message. This will let you cross off two people from the suspect list.



the suspects were seen after the crime. If they were Eyewitness reports have come in showing where all By using a tracking dog the police were able to find the path the criminal took after he stole the money. Then 550m South. The criminal then got in a car. Take the suspects who were not somewhere seen along the path the police dog tracked then on the path of the track off the suspect list. track? Y or N Path of the cm on the paper = 100m in real distance. Path of the Criminal Important! - Use a ruler to measure al walked 5x100m East Where they Draw the path the criminal took were seen Grocery Store Start at **point X** near the bank. Waterslide they could be the criminal. Then 170m+130m North Carpark Factory Church School Movies Then 800-200m West Park Then 280+70m West Then 300x2 m North SUSPECT Suspect 8 Suspect 2 Suspect 4 Suspect 5 Suspect 6 Suspect 7 Suspect 3 Suspect 1 ¥, CHOOL CLUE 2: MAP OF TOWN CHILL-VILLE SCALE: 1CM = 100MStort here ECI 440 u CHURCH

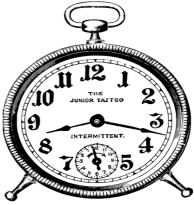
## CLUE 3: TIME FOR CRIME

The crime was committed at lunchtime. The criminal needed a 40min time slot to complete the crime. You are told the times the suspects left for lunch and the times they arrived back. Any suspect who spent less than 40mins at lunch can be taken off the suspect list

wwwwwwww



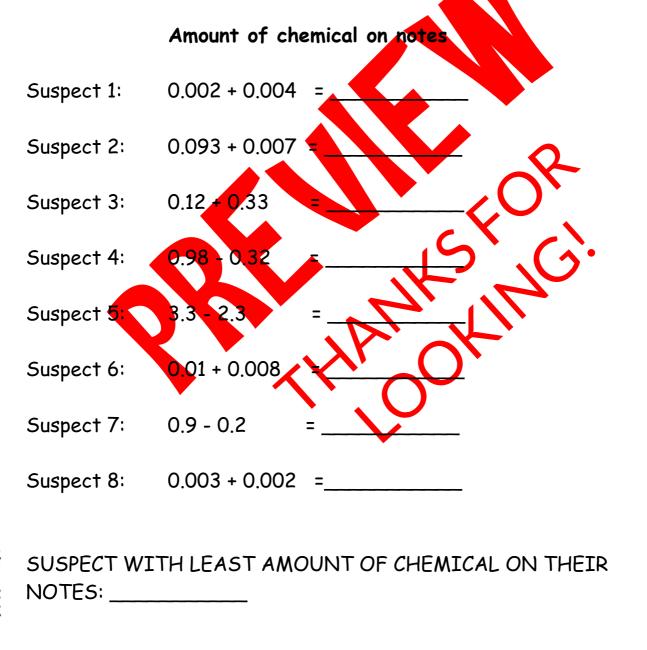
Which **suspects** spent less than 40mins at lunch and could not have committed the crime?



# CLUE 4: CHEMICAL TRACES

Some of the notes that the criminal stole were marked with a chemical that the police use to track money.

The police retrieved money from all of the suspects homes. Small parts of the chemical were found on all of the notes, however the suspect which has the least amount of chemical on their notes can be safley removed from the suspect list



TAKE THIS PERSON OFF YOUR SUSPECT LIST, THEY DIDN'T DO IT

## REWARD

#### THANKYOU FOR YOUR HELP YOU IN CATCHING THE CRIMINAL.

As a reward for your efforts the police team has awarded you a medal for bravery. They have also given you \$10,000 to spend and have arranged for you to have a day out where they will take you anywhere and let you do anything vou want.



### **IN-COMING MESSAGE**

Just when you thought it was all over.....

You hear a beeping coming from the back of you car. What is that noise? There is an old morse code machine in the back of your car. The army used to use these machines to send secret messages to each other. Use the table below to help you decode the message.

