

# NUMBER 3

MARK

# 3

1. The minimum and maximum temperatures on a particular day for five cities are given below.

City	Minimum Temp ( $^{\circ}\text{C}$ )	Maximum Temp ( $^{\circ}\text{C}$ )
Amsterdam	-1	8
Berlin	-3	11
Oslo	-13	-4
Paris	-2	10
Toronto	-17	1

By how many degrees did the temperature change in each city?

City	Change in Temp ( $^{\circ}\text{C}$ )
Amsterdam	
Berlin	
Oslo	
Paris	
Toronto	

2. The minimum temperature in Tokyo was  $-6^{\circ}\text{C}$ . The temperature rose by 11 degrees during the day. What was the maximum temperature in Tokyo on that day?



3. Meredith had a calculator that had the 6 button broken. She was trying to work out the following problem:

$$486 + 397$$

Meredith solved this problem by pressing the following buttons on her calculator:

$$485 + 1 + 397 =$$

- (a) Write down another way she could have solved this problem on her calculator.

- (b) Show how Meredith could solve the following problems on her calculator.

$$465 + 781$$

$$640 - 297$$

$$7261 + 3686$$

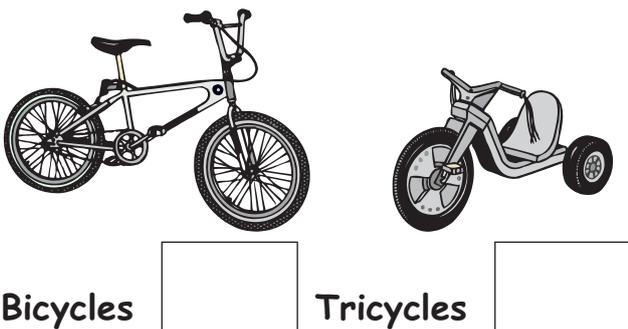
$$3678 - 569$$

$$589 \times 6$$

4. Xavier owned a number of scooters and go-carts. He wanted to change all the wheels on his scooters and go-carts. He counted a total of 40 wheels and he had eight scooters. How many go-carts did Xavier own?



5. Rowan makes bicycles and tricycles. He has an order for 10 cycles and needs 27 wheels. How many bicycles and how many tricycles are in the order?



6. At the zoo it was found that 4 monkeys could eat 4 bananas in 4 minutes.

(a) How many minutes would it take 1 monkey to eat 1 banana?

(b) How many minutes would it take 8 monkeys to eat 16 bananas?

(c) How many monkeys would it take to eat 10 bananas in 8 minutes?




7. Change **ADD** into **SUM** in five steps by changing one letter at a time to form a new word.

Example  
**CAT** can be changed  
 into **DOG** in **CAT**  
 three steps. **COT**  
**DOT**  
**DOG**

A	D	D
S	U	M