

Quick-fire times tables!

DO IT
NOW!

Choose your column... how many will you complete?

10×2

2×2

5×4

11×2

4×10

7×2

3×4

3×3

6×3

5×6

11×4

12×3

9×4

7×4

12×4

11×11

9×5

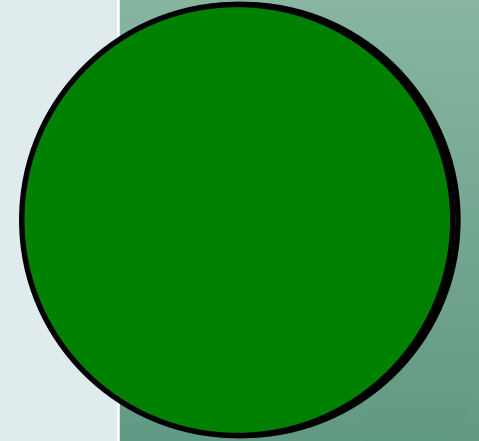
7×7

12×10

8×9

7×8

5 MINUTE TIMER



If you finish before the 5 minute timer, complete a division fact for each multiplication

Quick-fire times tables!

DO IT
NOW!

ANSWERS

$10 \times 2 = 20$

$2 \times 2 = 4$

$5 \times 4 = 20$

$11 \times 2 = 22$

$4 \times 10 = 40$

$7 \times 2 = 14$

$3 \times 4 = 12$

$3 \times 3 = 9$

$6 \times 3 = 18$

$5 \times 6 = 30$

$11 \times 4 = 44$

$12 \times 3 = 36$

$9 \times 4 = 36$

$7 \times 4 = 28$

$12 \times 4 = 48$

$11 \times 11 = 121$

$9 \times 5 = 45$

$7 \times 7 = 49$

$12 \times 10 = 120$

$8 \times 9 = 72$

$7 \times 8 = 56$

We are going to look at describing TURNS



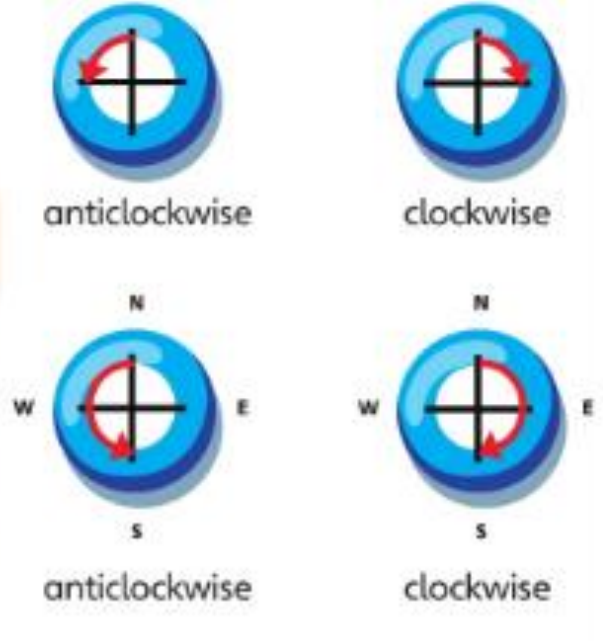
Use these buttons to help!!

If the robot is facing the MOUNTAIN, what instructions do I need to give for it to face the CRATER?

The instruction buttons are for quarter turns.

A quarter turn is called a **right angle**. These are both right-angle turns.

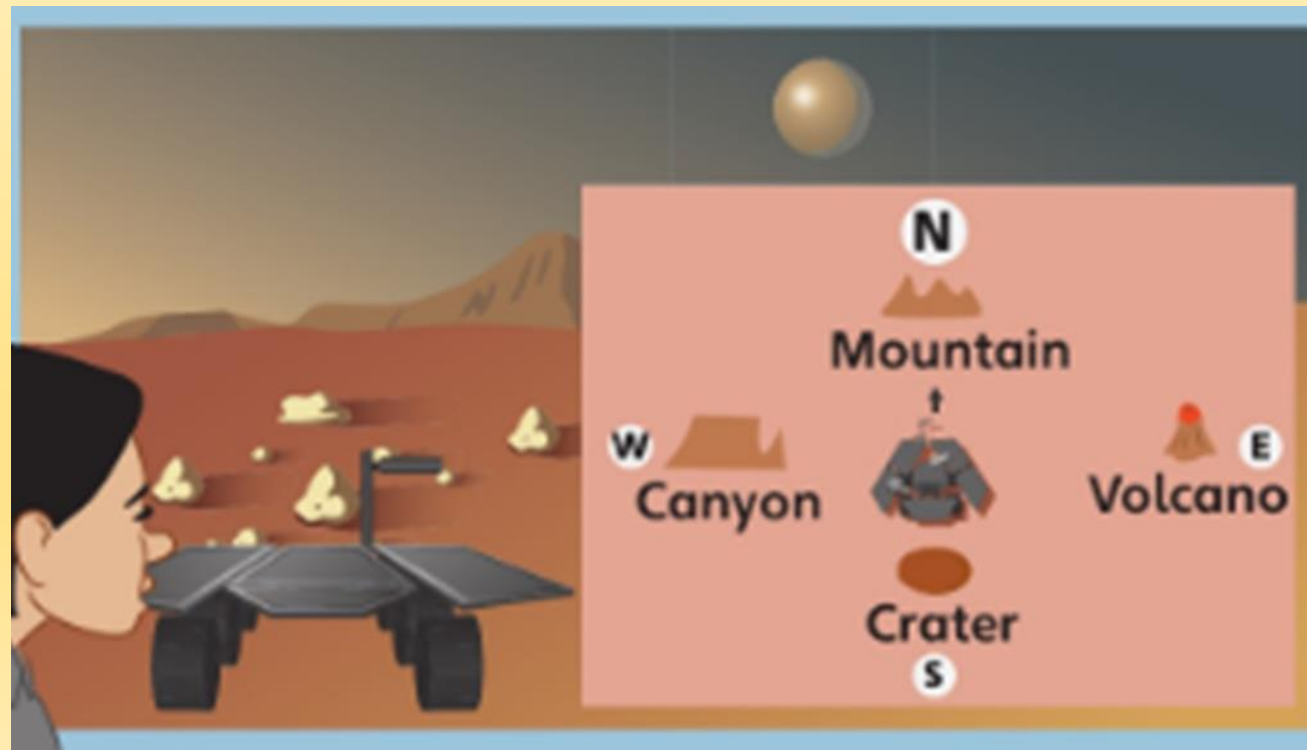
I'm also using my **FRACTIONS** learning to describe the kind of turn I will do - quarter turn, half turn....



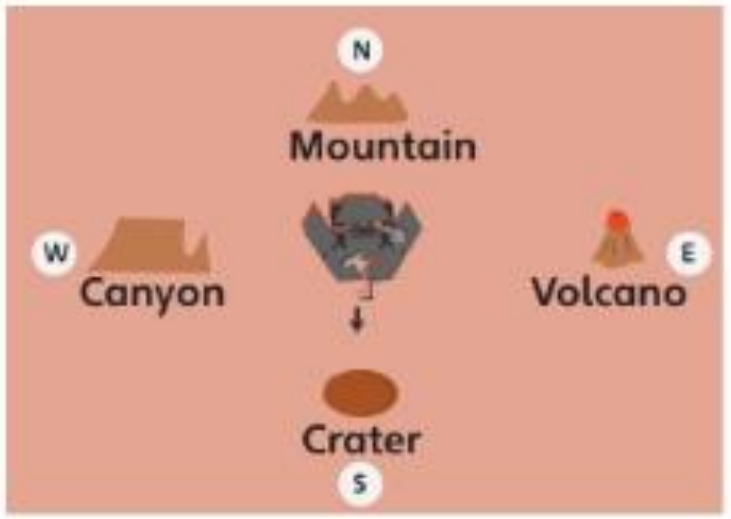
This links to our learning about **TIME!**
Clockwise - the way the clock hands go
Anti clockwise - the opposite way!

So, I would tell the robot to do **TWO QUARTER TURNS (two right angle turns), CLOCKWISE**

What is **TWO QUARTERS** the same as???



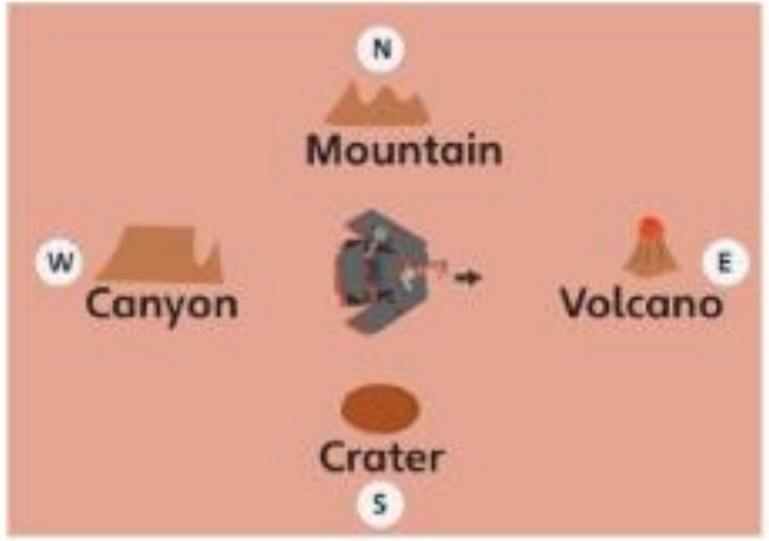
1 The rover is facing the crater. It makes a quarter turn. Where could it be facing?



The rover could be facing the _____.

Now, try these questions!
Think carefully about how you can apply your learning so far...

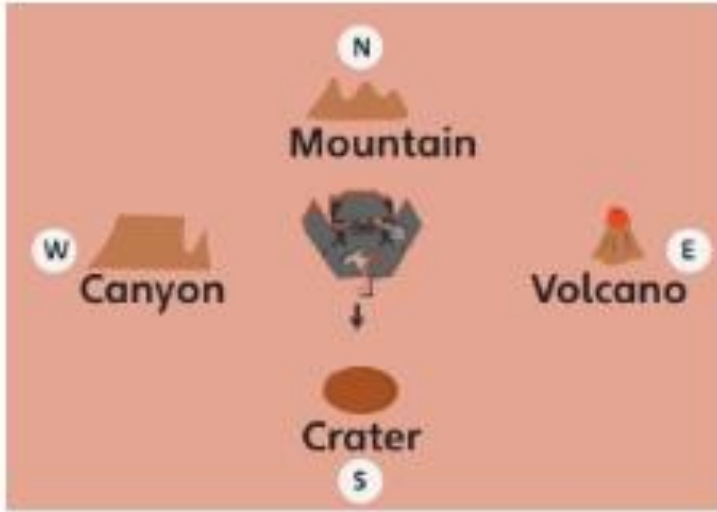
2 a) Now the rover is facing the volcano. It makes three quarter turns clockwise. What is it facing?



b) From where the rover is now, try three quarter turns anticlockwise. What do you notice?

ANSWERS

1 The rover is facing the crater. It makes a quarter turn. Where could it be facing?

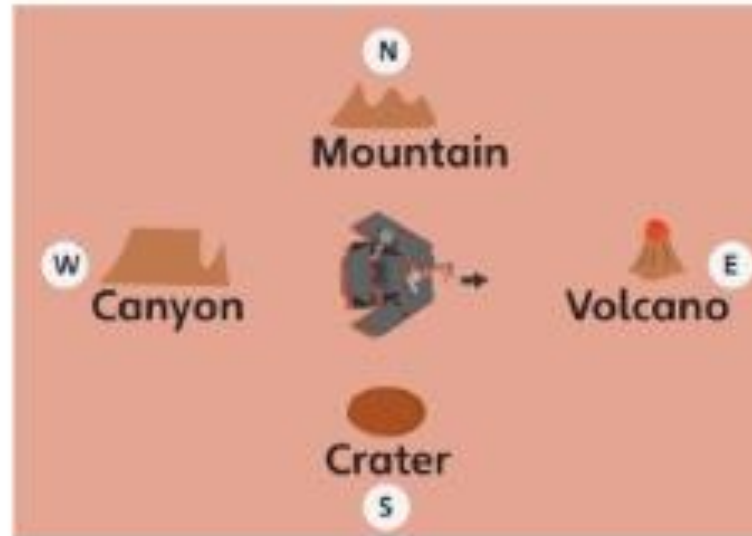


The rover could be facing the _____.

It could be facing the Canyon, or the volcano (it just says quarter turn - not which way!)

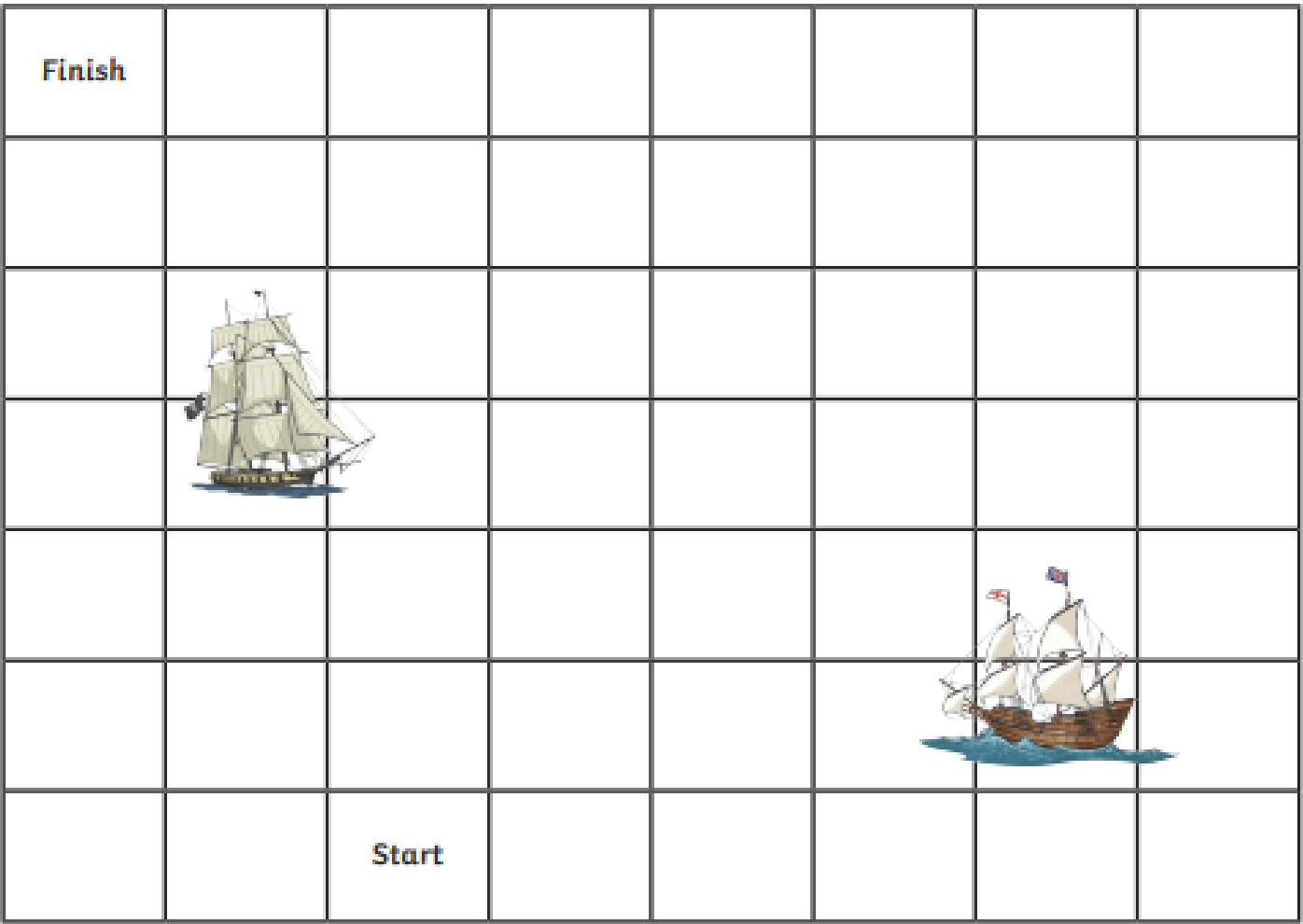
2 a) Now the rover is facing the volcano. It makes three quarter turns clockwise. What is it facing?

Mountain



b) From where the rover is now, try three quarter turns anticlockwise. What do you notice?

The rover should be back where it first started (facing the volcano)



1. *Forward 2 squares*
2. *Right angle turn clockwise*
3. *Forward 2 squares*
4. *Right angle turn anticlockwise*
5. *Forward 2 squares*
6. *Three quarter turn anticlockwise*
7. *Forward 3 squares*
8. *Right angle turn anticlockwise*
9. *Forward 2 squares*
10. *Three quarter turn clockwise*
11. *Forward 7 squares*

Test your understanding!



Can you follow the steps from start to finish?

Challenge!

Can you write instructions for this map?

Use the correct language eg: -
turns,
clockwise,
anti
clockwise,
forward

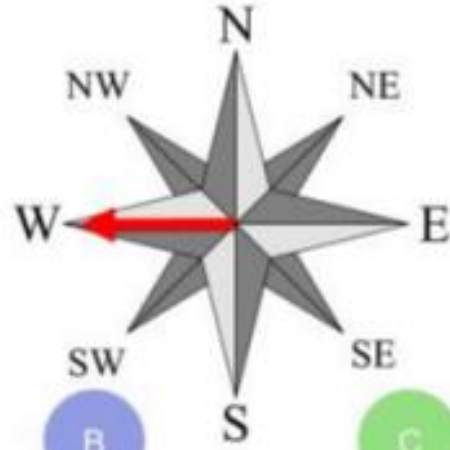
OR - make your own treasure map and write instructions!

							Finish
			Start				

EXIT TICKET



If the arrow moves one quarter turn to the right which direction will it be pointing?



South



North-West



North



South-West

*Think carefully and apply what you have learnt...
How can you show your thinking?*