

# Year 3

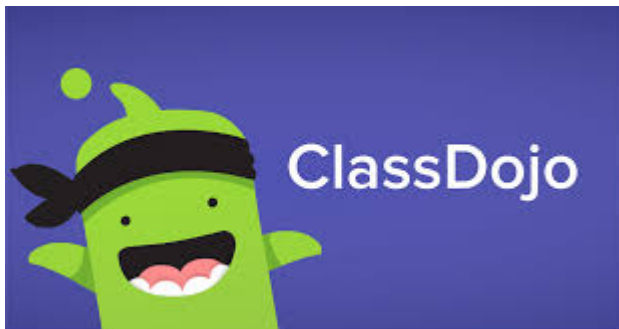
# Maths Lesson

5.02.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

# On this maths powerpoint:

- 1 warm up activity
- Answers from yesterday
- 1 maths lesson



Remember – you can get Dojos for posting pictures of your work on Class Dojo!



## Warm Up Activity 5.

Multiply and divide these numbers by 10



Answers on  
the next  
slide so no  
peeking!

### Easier

1.  $6 \times 10 =$
2.  $3 \times 10 =$
3.  $5 \times 10 =$
4.  $7 \times 10 =$
5.  $10 \times 10 =$
6.  $12 \times 10 =$
7.  $15 \times 10 =$
8.  $19 \times 10 =$
9.  $20 \times 10 =$
10.  $25 \times 10 =$

### Harder

1.  $12 \times 10 =$
2.  $17 \times 10 =$
3.  $25 \times 10 =$
4.  $\underline{\quad} \times 10 = 150$
5.  $\underline{\quad} \times 10 = 230$
6.  $\underline{\quad} \times 10 = 440$
7.  $\underline{\quad} \times 10 = 770$
8.  $\underline{\quad} \times 10 = 990$
9.  $\underline{\quad} \times 10 = 450$
10.  $\underline{\quad} \times 10 = 960$



## Warm Up Activity 5 Answers



Multiply and divide these numbers by 10

### Easier

1.  $6 \times 10 = 60$
2.  $3 \times 10 = 30$
3.  $5 \times 10 = 50$
4.  $7 \times 10 = 70$
5.  $10 \times 10 = 100$
6.  $12 \times 10 = 120$
7.  $15 \times 10 = 150$
8.  $19 \times 10 = 190$
9.  $20 \times 10 = 200$
10.  $25 \times 10 = 250$

### Harder

1.  $12 \times 10 = 120$
2.  $17 \times 10 = 170$
3.  $25 \times 10 = 250$
4.  $15 \times 10 = 150$
5.  $23 \times 10 = 230$
6.  $44 \times 10 = 440$
7.  $77 \times 10 = 770$
8.  $99 \times 10 = 990$
9.  $45 \times 10 = 450$
10.  $96 \times 10 = 960$

# 5.02.21

Write today's  
date and  
objective in your  
home learning  
book.

## Can I recognise and use right angles in turns?

- I can turn through a quarter turn, half turn, three-quarter turn and full turn.
- I can explain the relationship of turns to a 90 degree right angle.
- I can use clockwise and anticlockwise correctly to describe turns.

Remember to be  
proud of your work  
and use your best  
presentation

# Today's Vocabulary

- Turn
- Quarter turn
- Half turn
- Three quarter turn
- Full turn
- Right angle
- 90 degrees
- 180 degrees
- 270 degrees
- 360 degrees
- Clockwise
- Anti-clockwise

A turn is to rotate about a point.

A turn can be described as a quarter-turn, half-turn, three-quarter turn or a complete turn.

A turn can be completed clockwise and anticlockwise.

These arrows show  
**clockwise** direction.



**Clockwise** is the same direction the hands  
of a clock move.

These arrows show  
**anticlockwise** direction.



**Anticlockwise** is the opposite direction to  
which the hands of a clock move.

## How could we describe these turns?



A quarter turn clockwise

1 right angle

90 degrees



A quarter turn anti-clockwise

1 right angle

90 degrees





A half turn clockwise

2 right angles

$$90 + 90 = 180 \text{ degrees}$$



A half turn anti-clockwise

2 right angles

$$90 + 90 = 180 \text{ degrees}$$



A three quarter turn  
clockwise

3 right angles

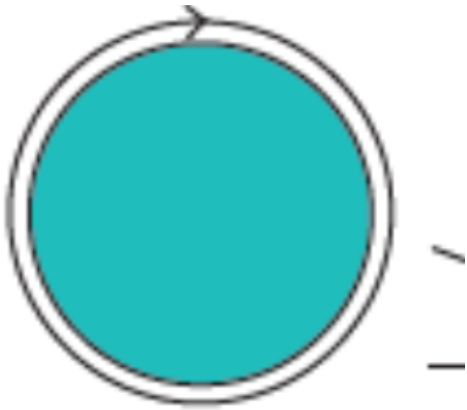
$$90 + 90 + 90 = 270 \text{ degrees}$$



A three quarter turn anti-  
clockwise

3 right angles

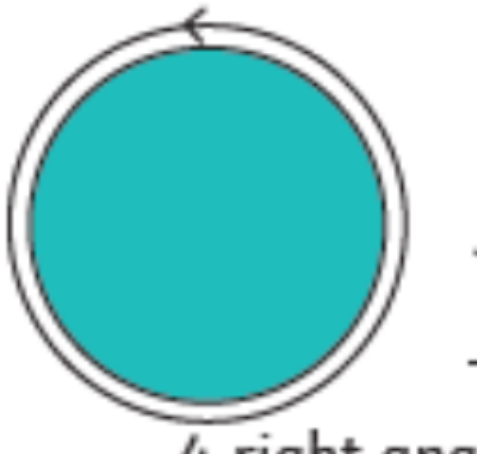
$$90 + 90 + 90 = 270 \text{ degrees}$$



A full turn clockwise

4 right angles

$$90 + 90 + 90 + 90 = 360 \text{ degrees}$$

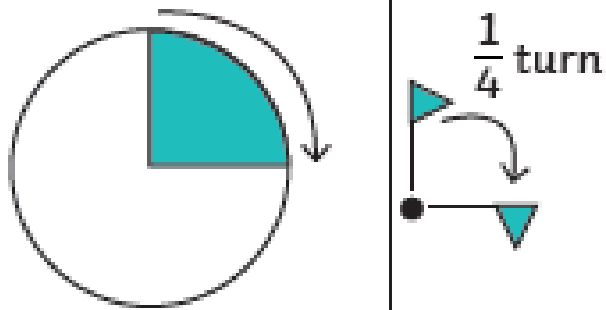


A full turn anti-clockwise

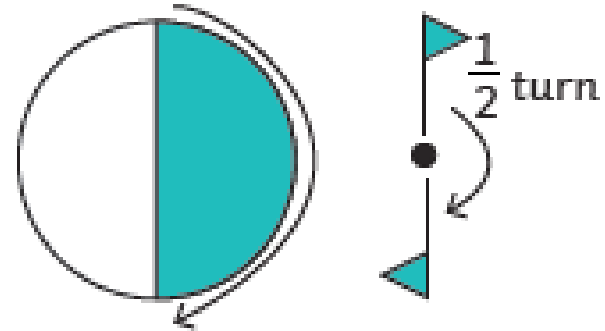
4 right angles

$$90 + 90 + 90 + 90 = 360 \text{ degrees}$$

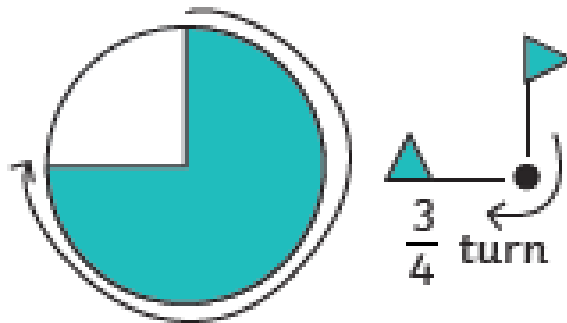
# Clockwise



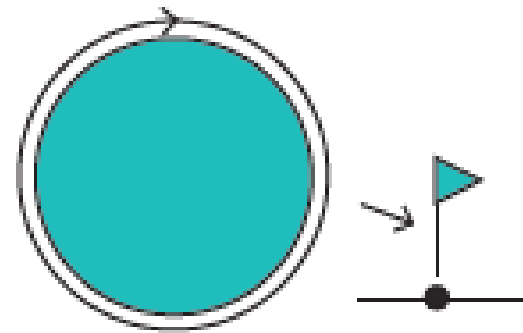
1 right angle  
quarter-turn clockwise  
 $90^\circ$



2 right angles  
half-turn clockwise  
 $180^\circ$



3 right angles  
three-quarter turn  
clockwise  
 $270^\circ$

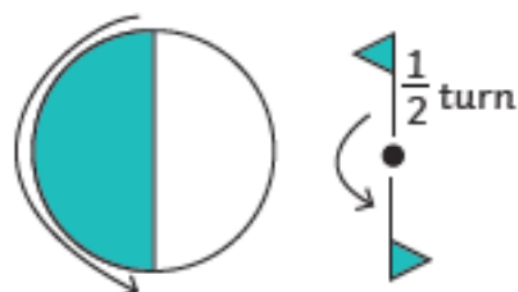


4 right angles  
complete turn clockwise  
 $360^\circ$

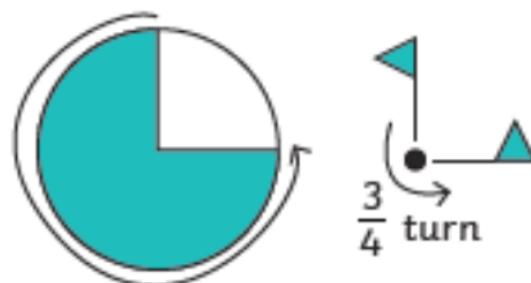
## Anticlockwise



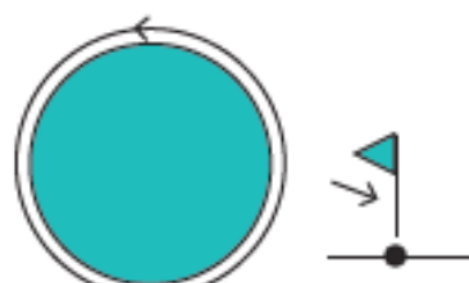
1 right angle  
quarter-turn anticlockwise  
 $90^\circ$



2 right angles  
half-turn anticlockwise  
 $180^\circ$



3 right angles  
three-quarter turn anticlockwise  
 $270^\circ$

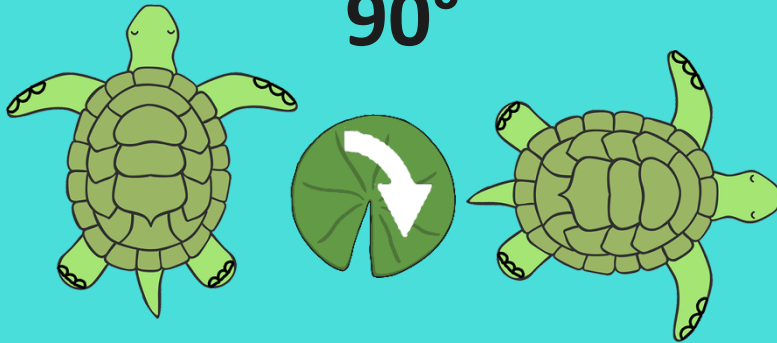


4 right angles  
complete turn anticlockwise  
 $360^\circ$

# Angles in Turns

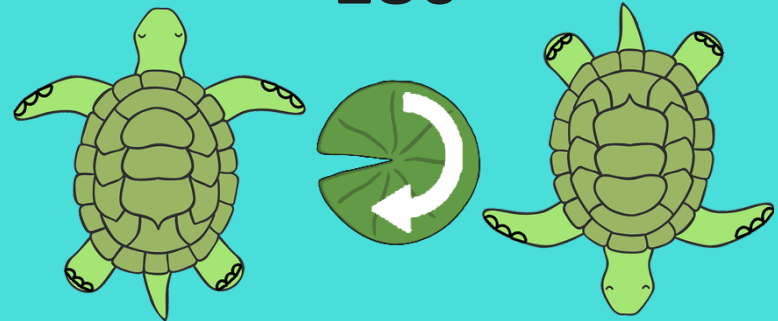


**90°**



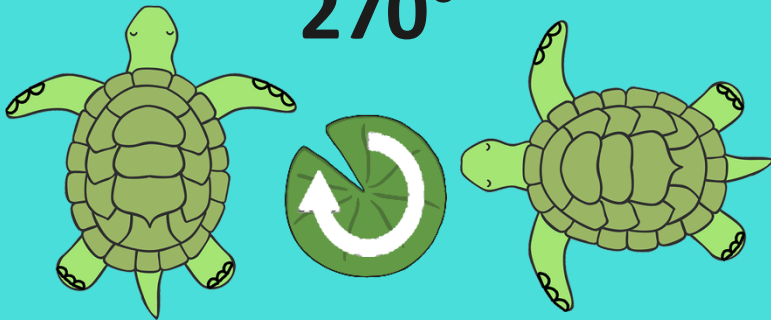
One quarter turn clockwise

**180°**



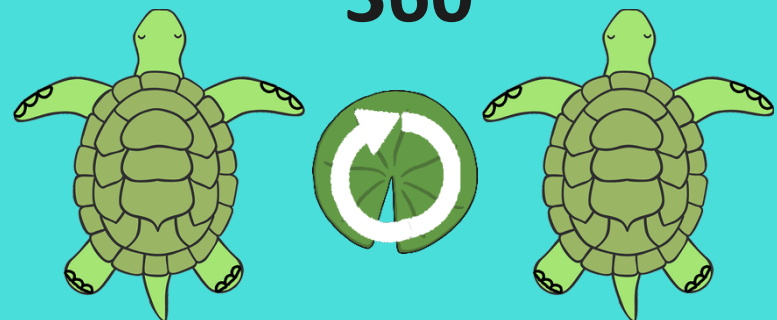
One half turn clockwise

**270°**

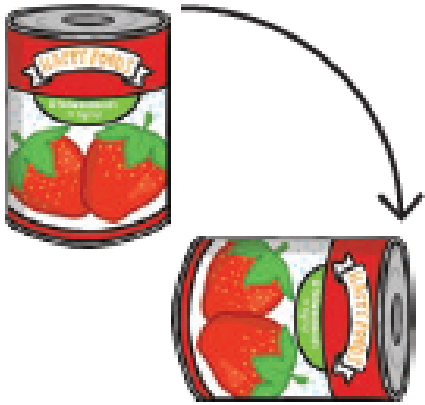


One three-quarter turn clockwise

**360°**



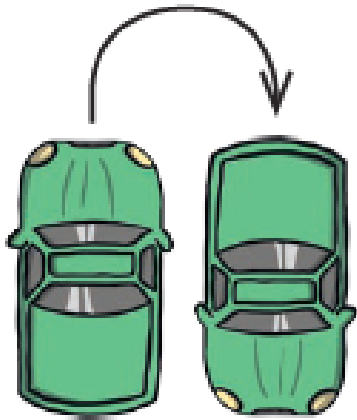
One whole turn clockwise



A quarter turn  
clockwise = 90  
degrees  
1 right angle



A quarter turn anti-  
clockwise = 90  
degrees  
1 right angle



A half turn clockwise =  
180 degrees  
2 right angles



A half turn anti-clockwise = 180  
degrees  
2 right angles

If I start facing Mount Vesuvius and make a  $\frac{1}{4}$  turn clockwise which mountain will I be facing now?

Mount Vesuvius

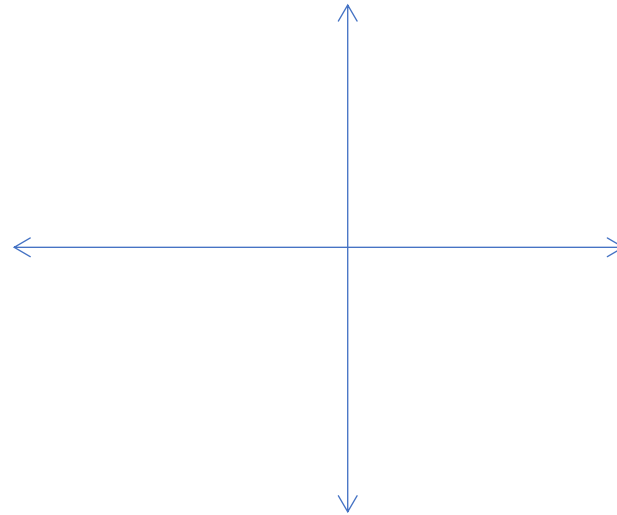


If I start facing Mount Snowdon and make a  $\frac{1}{4}$  turn anti-clockwise which mountain will I be facing now?

Mount Snowdon



Mount Everest



Mount Fuji



If I start facing Mount Fuji and make a half turn clockwise which mountain will I be facing now?

If I start facing Mount Everest and make  $\frac{3}{4}$  turn anti-clockwise which mountain will I be facing now?



If I start facing Mount Vesuvius and turn 1 right angle anti-clockwise which mountain am I facing now?

Mount Vesuvius

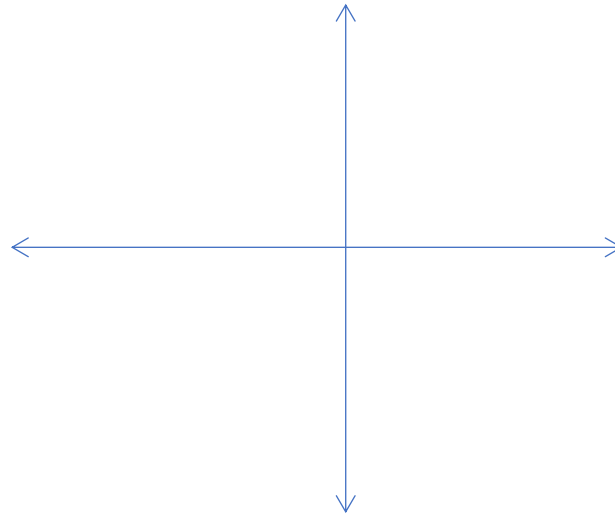


If I start facing Mount Everest and make a 180 degree turn clockwise which mountain am I facing now?

Mount Everest



Mount Snowdon



Mount Fuji



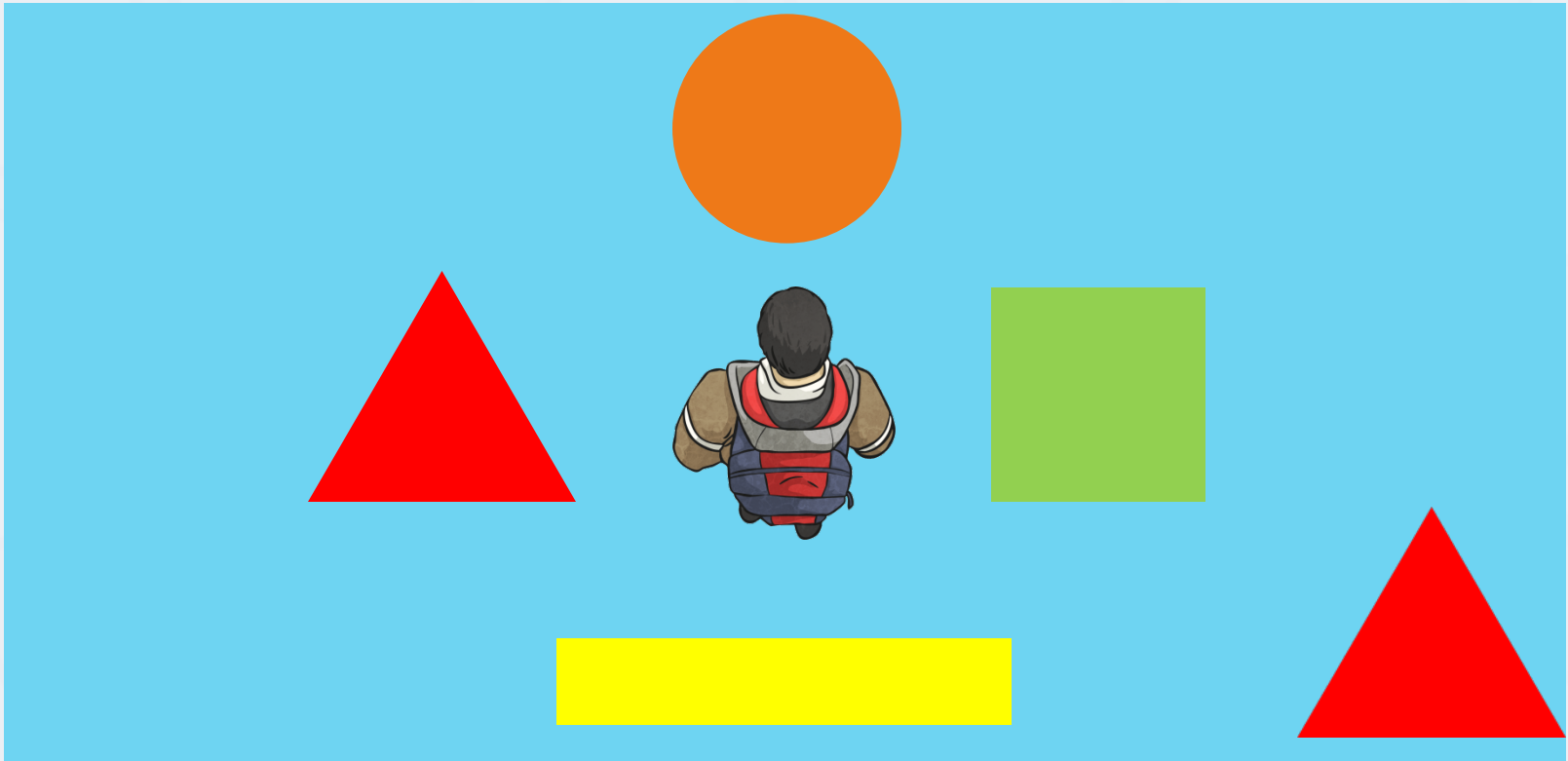
If I start Snowdon and turn 3 right angles clockwise which mountain am I facing now?

If I start facing Mount Fuji and make a 360 degree turn anti-clockwise which mountain am I facing now?

# Where Will I Be Facing?



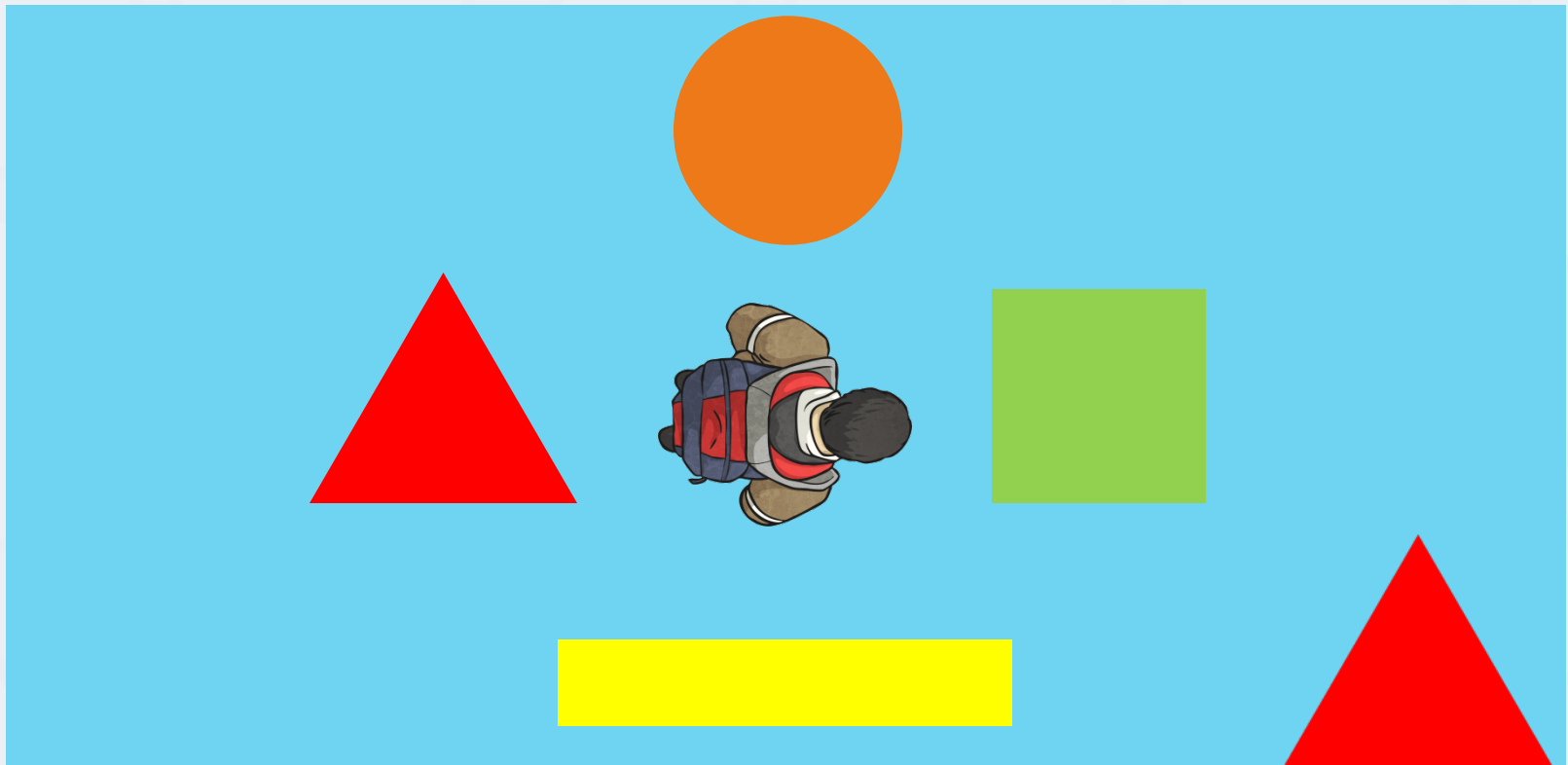
The child is facing the **circle**. If they turn a quarter turn clockwise, which shape will they be facing?



# Where Will I Be Facing?



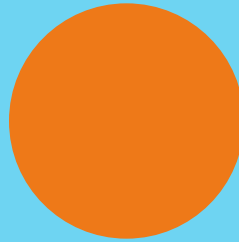
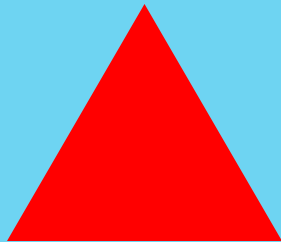
The child is facing the **square**. If they turn a half turn **clockwise**, which shape will they be facing?



# Where Will I Be Facing?



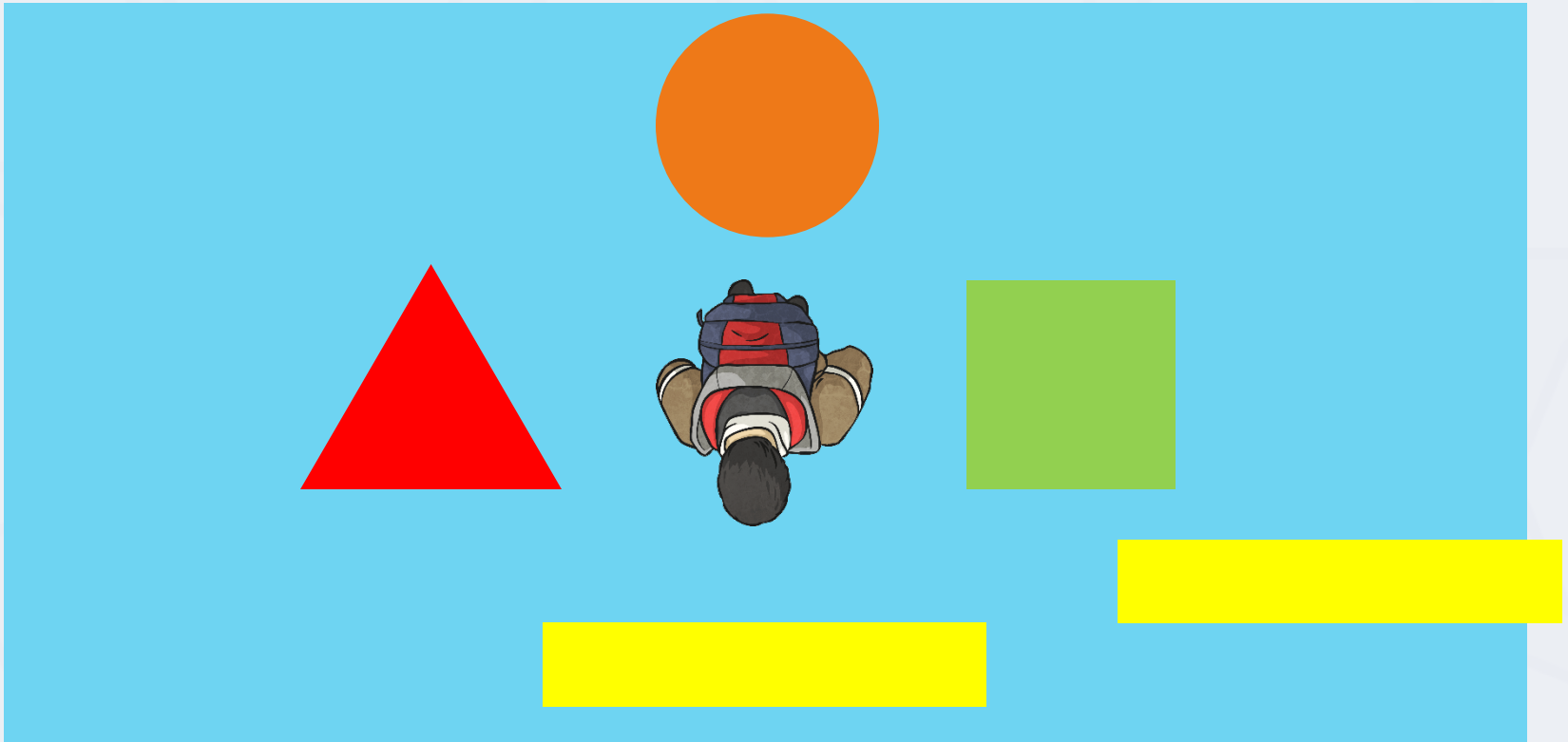
The child is facing the **triangle**. If they turn a three-quarter turn **clockwise**, which shape will they be facing?



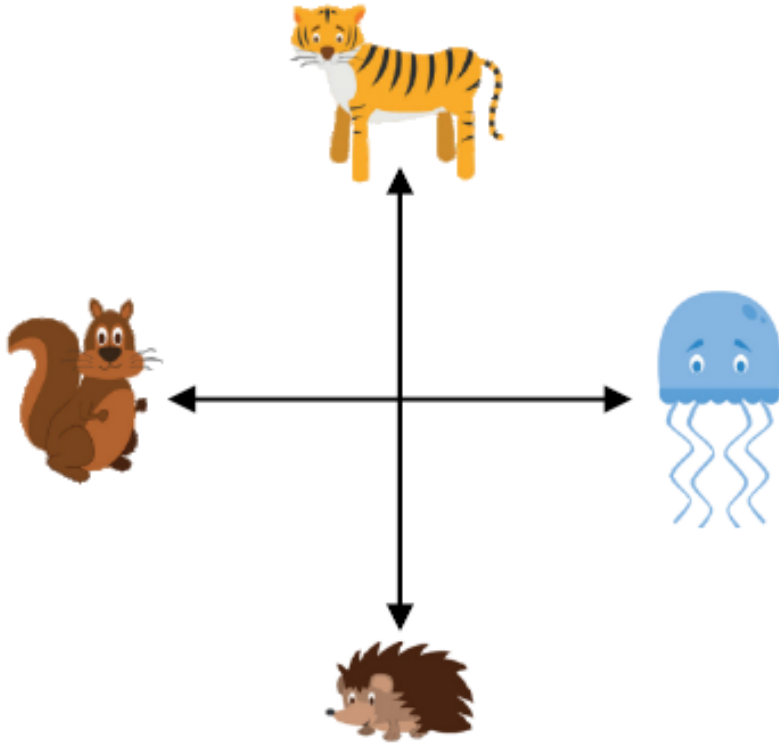
# Where Will I Be Facing?



The child is facing the **rectangle**. If they turn a whole turn **clockwise**, which shape will they be facing?



Which direction and how many right angles to get from.....



The tiger to the octopus?

Quarter turn clockwise - 1 right angle

Three quarter turn anti-clockwise - 3 right angles

The squirrel to the octopus?

Half turn clockwise - 2 right angles

Half turn anti-clockwise - 2 right angles



Which direction and how many right angles to get from.....

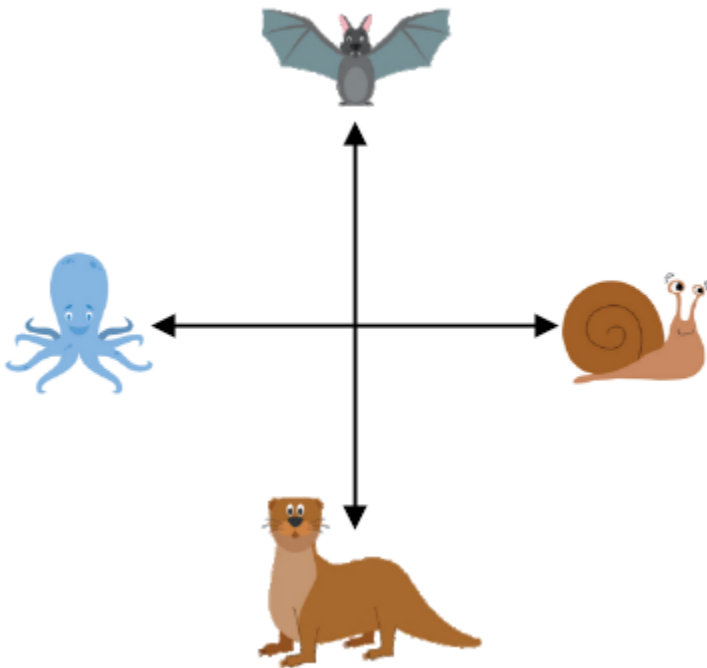
The bat to the snail?

The snail to the weasel?

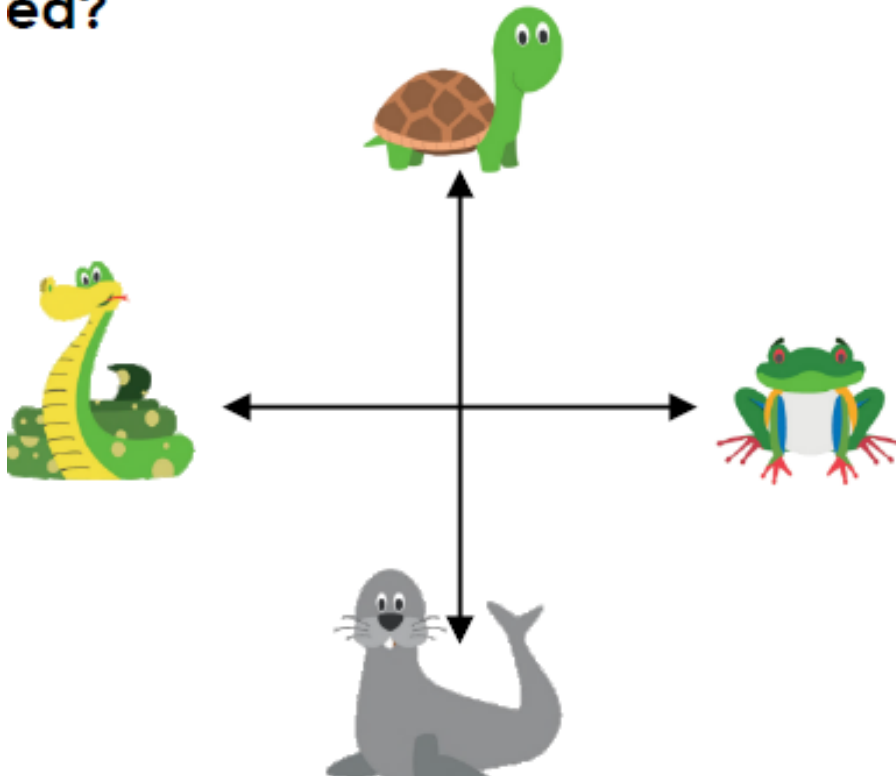
The octopus to the snail?

The weasel to the bat?

The bat to the octopus?



ed?

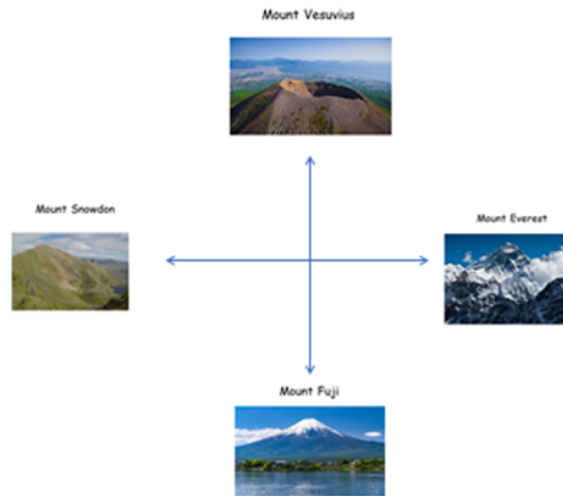


See if you can  
come up with  
two questions  
with the  
answers.

John says that it is a half turn clockwise (180 degrees) to get from the frog to the snake. Is he correct?



Now have a go at  
these questions in  
your home learning  
book



- 1) Start facing Mount Everest. Make a  $\frac{1}{4}$  turn clockwise. Which Mountain are you facing now?
- 2) Start facing Mount Snowdon. Make a quarter turn anti-clockwise. Which mountain are you facing now?
- 3) Start facing Mount Snowdon. Turn 2 right angles clockwise. Which mountain are you facing now?
- 4) Start facing Mount Fuji. Turn 2 right angles anti-clockwise. Which mountain are you facing now?
- 5) Start facing Mount Everest. Make a  $\frac{1}{2}$  turn clockwise. Which mountain are you facing now?
- 6) Start facing Mount Fuji. Make a 180 degree turn anti-clockwise. Which mountain are you facing now?
- 7) Start facing Mount Vesuvius. Make a  $\frac{3}{4}$  turn clockwise. Which mountain are you facing now?

## Challenge

5a. Start at north. Turn three quarters clockwise. Which direction are you now facing?



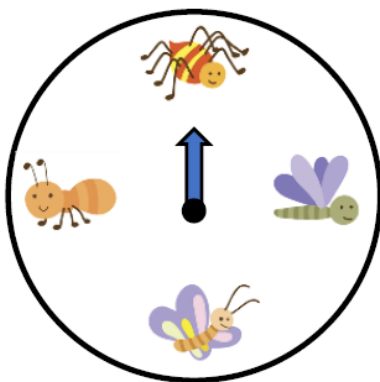
VF

5b. Start at south. Turn three quarters anti-clockwise. Which direction are you now facing?



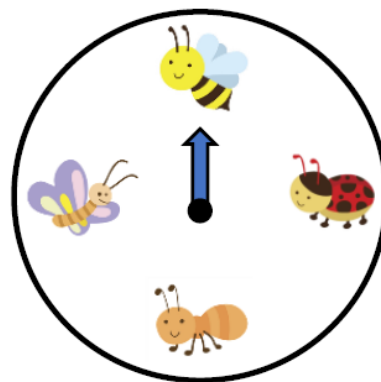
VF

6a. What turn does the spinner need to make to get from the spider to the dragonfly?



VF

6b. What turn does the spinner need to make to get from the bee to the butterfly?



VF