

# Turns and Angles

1. If the minute hand starts at 12 on the clock, which of these is the odd one out?



A. A  $\frac{3}{4}$  quarter turn clockwise.

B. A quarter turn anti-clockwise.

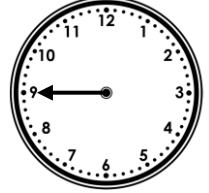
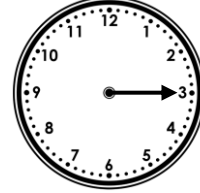
C. A  $\frac{1}{4}$  turn anti-clockwise.

D. A whole turn clockwise.

VF

4. Arthur is creating a sequence of clocks. The movement of the minute hand follows this pattern: quarter turn clockwise, half turn anti-clockwise, quarter turn clockwise and so on.

start time

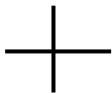


Which number will the minute hand point to next?

PS

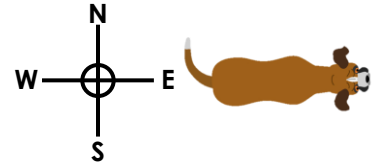
2. Sort the images into the table.

All lines make angles	Not all lines make angles



VF

5. Zahra and Cheng are discussing which turn the dog could have made to end up facing east.



Zahra says,



The dog has made a three-quarter turn anti-clockwise from the south.

Cheng says,

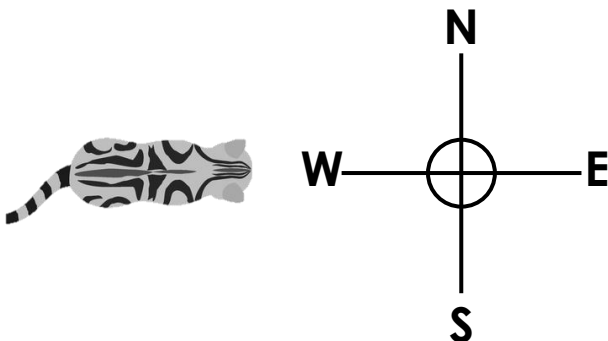
The dog has made a quarter turn clockwise from the north.



Who is correct? Explain how you know.

R

3. The cat starts facing east. It makes a three-quarter turn anti-clockwise. Which direction is it facing now?



VF

6. Ellie-Rose and Sam have used the clues below to draw a shape.

- The shape has three angles.
- The shape has three lines.

The shapes they have drawn are different.

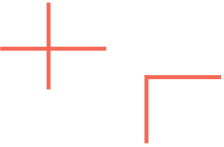
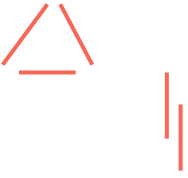
What could the shapes be?

PS

# Turns and Angles

1. **D**

2.

All lines make angles	Not all lines make angles
	

3. **south**

4. **12**

5. **Cheng is correct. A quarter turn clockwise from the north would allow the dog to face east. Zahra is incorrect because a three-quarter turn anti-clockwise from the south would end up facing west.**

6. **Both Ellie-Rose and Sam will have drawn a triangle. Various answers, for example:**

