# UKCAT Abstract Reasoning – Compound Rules

## Set A

## Set B
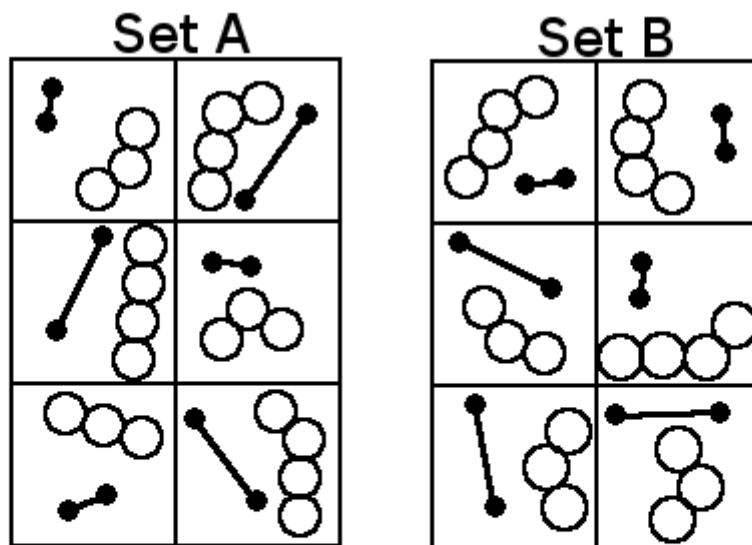
To which set do these belong? A, B or neither
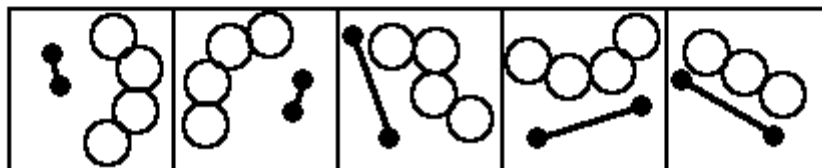
**3 circles**

**short line**

**4 circles**

**long line**

## Set A
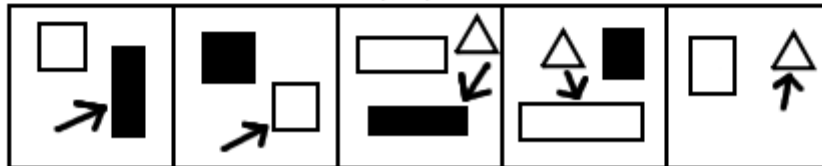


## Set B
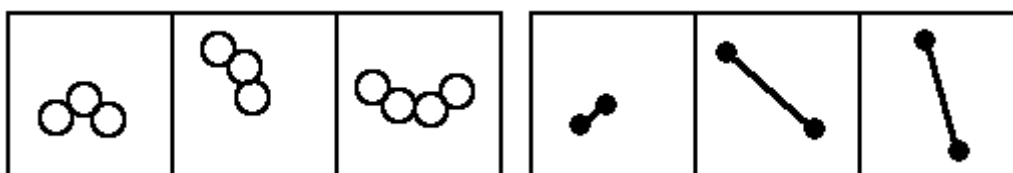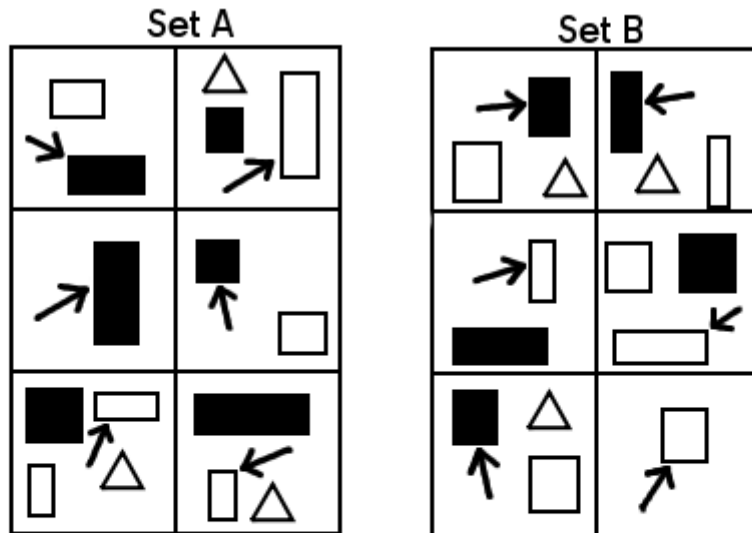


## Choose A, B, or neither



**rectangles &
squares only**

**points to black**

**includes
triangle**

**points to white**

Question 1
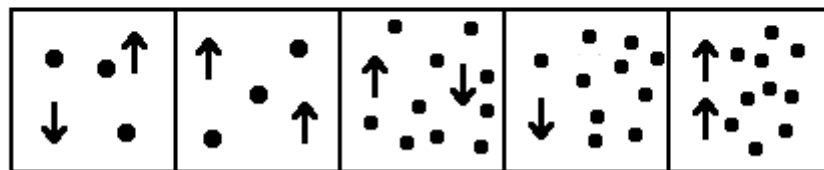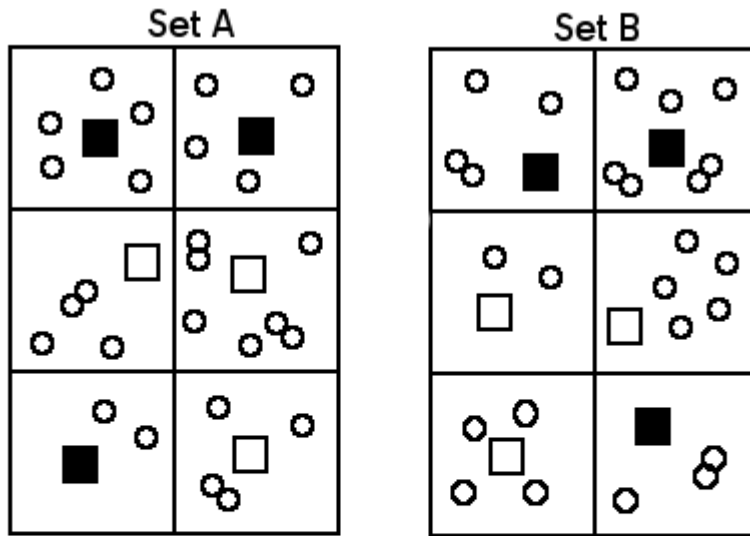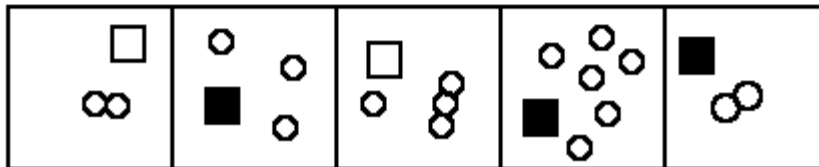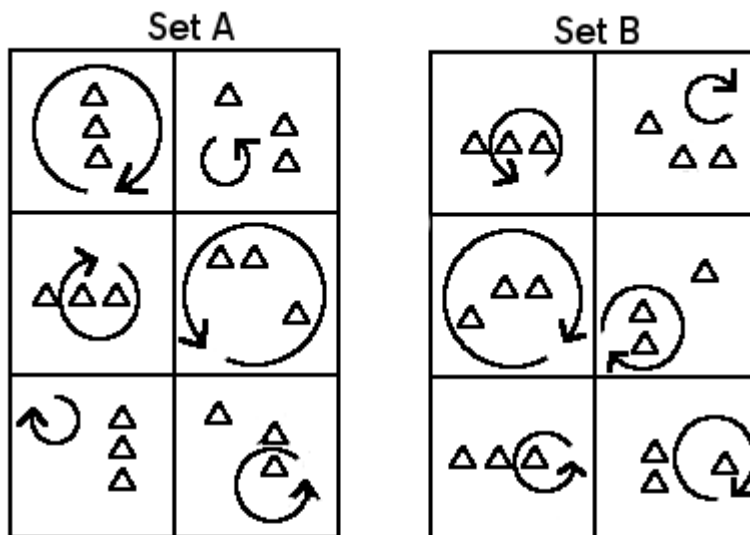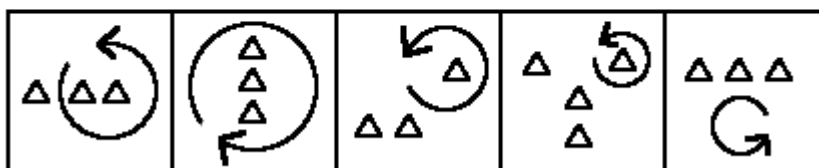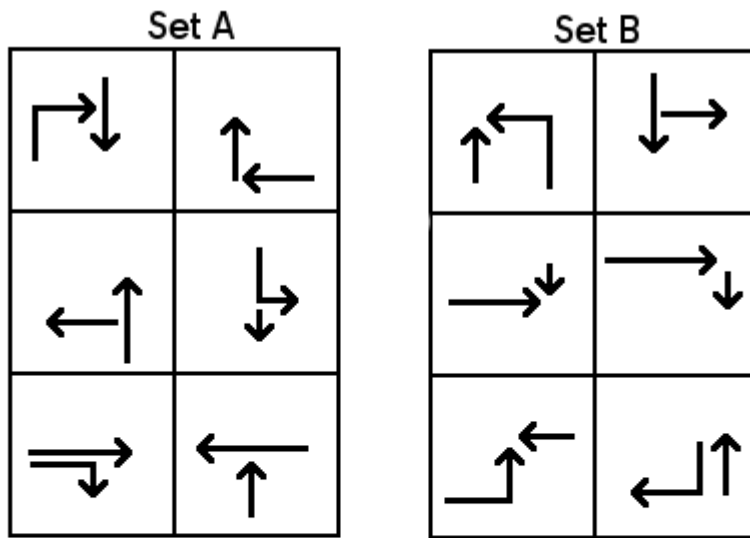


Question 2
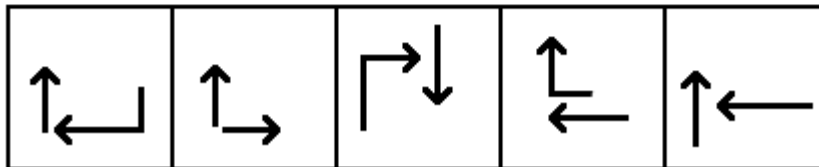
Question 3
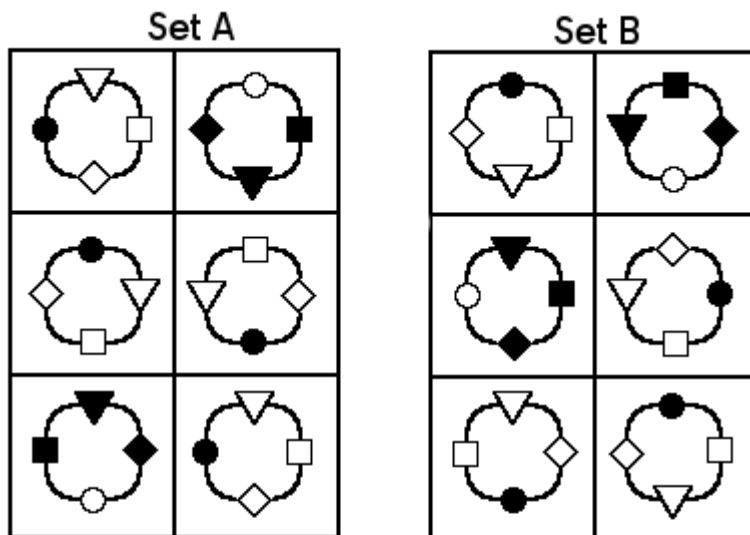


Question 4

Question 5
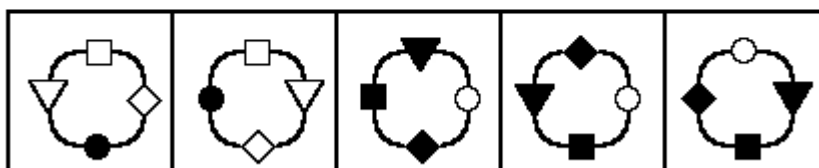


Question 6

## Answers

**Question 1:     A, A, B, B, A**

Set A has circles overlapping and squares overlapping or none overlapping. Set B has either circles overlapping or squares overlapping.

**Question 2:     B, A, A, neither, B**

Set A has three dots if arrows are both pointing up or 10 dots if one arrow is pointing up and one pointing down. For set B, the rule is the other way around.

**Question 3:     A, A, neither, A, B**

Set A has a black square if the circles are all separated and a white square if some of the circles have paired up. For set B, the square is black if there are pairs of circles and white if all circles are separate.

**Question 4:     B, B, A, neither, B**

Set A has a clockwise arrow if the triangles are in a single straight row of 3 and an anticlockwise arrow otherwise. For set B, the rule is the other way around.

**Quesiton 5:     B, neither, A, B, A**

If arrows point up and left, in Set B there will be a right angle in one of the arrows, but not in set A. If arrows point down and right, in set A there will be a right angle, but not in set B

**Question 6:     A, B, neither, A, B**

For set A, if there are three white and one black shape, the order is (clockwise) triangle, square, diamond, circle. If there are three black shapes, and one white shape, the order is (clockwise) triangle, diamond, circle, square. For set B, the rules are the other way around.