

Barry tried to continue the pattern in the box. Did he continue the pattern correctly?

HINT: Shade the yellows (Y) if it helps.

a)

Y	R	Y	R	Y	R
---	---	---	---	---	---

 YES NO

b)

Y	Y	R	Y	Y	R	Y	Y	R
---	---	---	---	---	---	---	---	---

 YES NO

c)

Y	R	R	R	Y	Y	R	R	Y
---	---	---	---	---	---	---	---	---

 YES NO

d)

R	Y	R	R	Y	R	R	Y	R
---	---	---	---	---	---	---	---	---

 YES NO

e)

R	Y	R	R	Y	R	R	Y	R
---	---	---	---	---	---	---	---	---

 YES NO

f)

Y	R	R	Y	Y	R	R	Y	Y	R	R	Y
---	---	---	---	---	---	---	---	---	---	---	---

 YES NO

For each pattern below, say whether the blocks in the rectangle are the core of the pattern:

a)

Y	R	Y	R	Y	R
---	---	---	---	---	---

 YES NO

b)

R	Y	Y	R	Y	Y	R	Y	Y
---	---	---	---	---	---	---	---	---

 YES NO

c)

R	Y	R	R	R	Y	R	R
---	---	---	---	---	---	---	---

 YES NO

d)

Y	R	R	R	Y	R	R	R	Y	R	R	R
---	---	---	---	---	---	---	---	---	---	---	---

 YES NO

e)

Y	R	R	R	Y	Y	R	R	R	Y
---	---	---	---	---	---	---	---	---	---

 YES NO

f)

R	R	R	Y	Y	R	R	R	Y	Y
---	---	---	---	---	---	---	---	---	---

 YES NO

Predict the color of the 18th block

R	Y	Y	Y	R	Y	Y	Y
---	---	---	---	---	---	---	---

the color of the 18th block is

R	Y
---	---

Predict the color of the 19th block

R	R	Y	Y	R	R	Y	Y
---	---	---	---	---	---	---	---

the color of the 19th block is

R	Y
---	---

Predict the color of the 17th block

R	R	Y	Y	Y	R	R	Y	Y	Y
---	---	---	---	---	---	---	---	---	---

the color of the 17th block is

R	Y
---	---

Predict the color of the 35th block

Y	R	Y	Y	R	Y	Y	R	Y
---	---	---	---	---	---	---	---	---

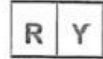
the color of the 35th block is

R	Y
---	---

a) What is the 16th term in this sequence?



Answer:



b) What is the 50th term in this sequence?



Answer:



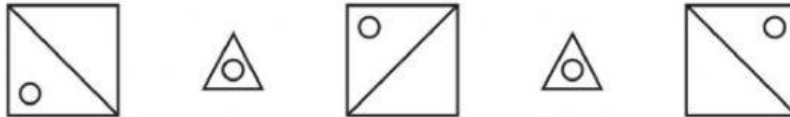
c) What direction will the 53rd arrow be pointing in?



Answer:



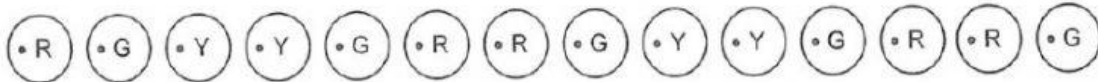
d) What will the 47th term of the pattern look like?



Answer:



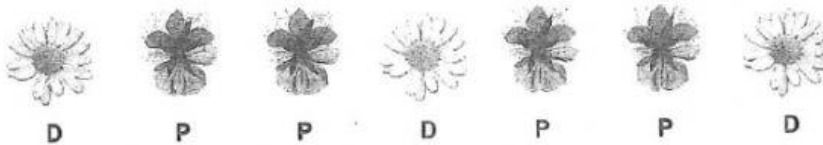
9. Carl makes a pattern with red, green, and yellow beads:



What colour will the 43rd bead be?



Megan plants a row of daisies and pansies in the pattern shown:



Is the 37th flower a daisy or a pansy?

Daisy

Pansy