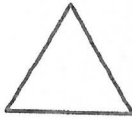


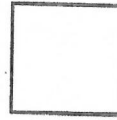
Cathy is making patterns. She uses 4 different 2-D shapes:



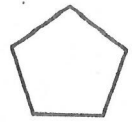
circle



triangle



square



pentagon

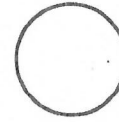
She uses 3 colours:

red = R

yellow = Y

blue = B

She uses 2 different sizes:



big



small

SHAPE, COLOUR and SIZE are referred to as the shapes' attributes.

TEACHER:

Make sure your students understand that while the two circles above are different sizes, they are still the same shape.

1. Circle the one attribute that changes in each pattern.

HINT: Check each attribute one at a time. First ask: "Does the shape change?" Then ask: "Does the colour change?" Then ask: "Does the size change?"

a)

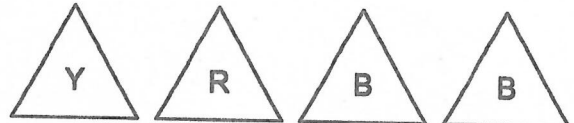


shape

colour

size

b)

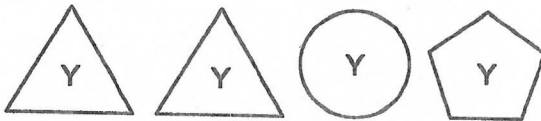


shape

colour

size

c)



shape

colour

size

d)

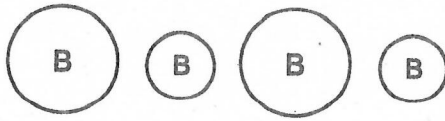


shape

colour

size

e)

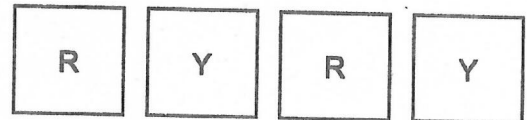


shape

colour

size

f)



shape

colour

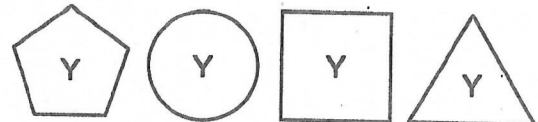
size

2. Write the one attribute that changes in each pattern.

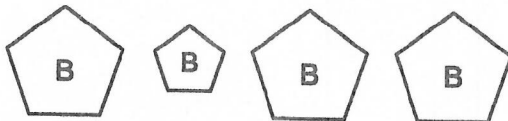
a)



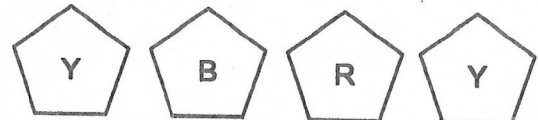
b)



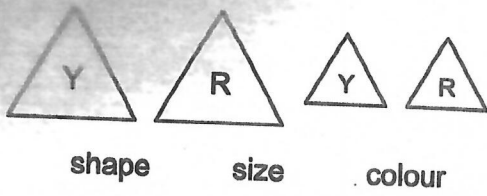
c)



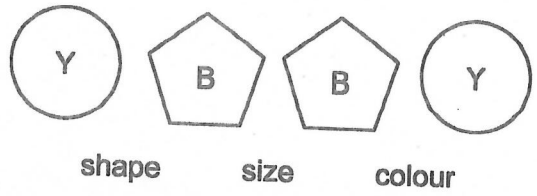
d)



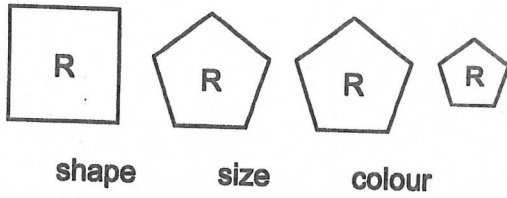
3. Circle the two attributes that change in each sequence.



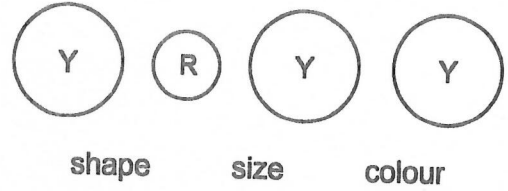
b)



c)

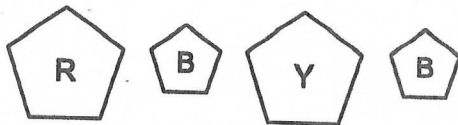


d)

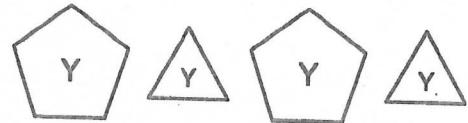


4. Write the two attributes that change in each pattern.

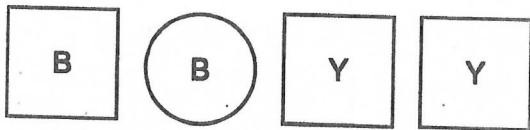
a)



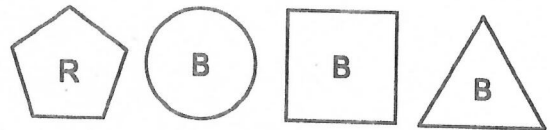
b)



c)

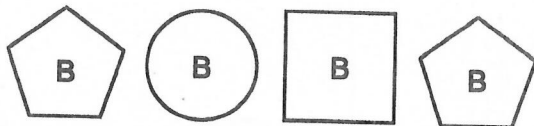


d)

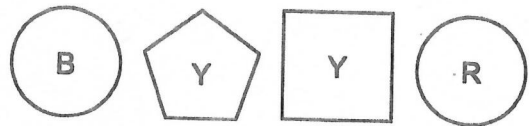


5. Write the one, two or three attributes that change in each sequence.

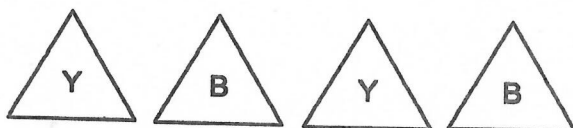
a)



b)



c)



d)

