



Computer Talent Search

A project of the Institute of IT Professionals South Africa

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ELEMENTARY

Grade 5 and below

NOT TO BE USED BEFORE 6 MARCH 2017

If you are NOT in grade 5 or below, please report that you have the wrong paper.

Only when the teacher says “START”, may you begin.

1. Write your team details and your answers on the answer sheet provided.
2. You will have 45 minutes to complete the 10 tasks.
3. You may answer the questions in any order, but it is important to place the answer in the correct line on the answer sheet.
4. Leave the tasks you find difficult for later.

The mark allocation is as follows:

A section: +10 marks for every correct answer.

B section: +10 marks for every correct answer

C section: +10 marks for every correct answer

If you do not answer a question or give the wrong answer, you get 0 (zero) for that task.

The maximum mark is 100.

Wait for the teacher to say “START”.



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A1 Broken Window

Six children were playing in the yard.



One of them threw a ball and broke Mr. Beaver's window.
Mr. Beaver only saw the back of the child running away.
The child had a white shirt and short dark hair.

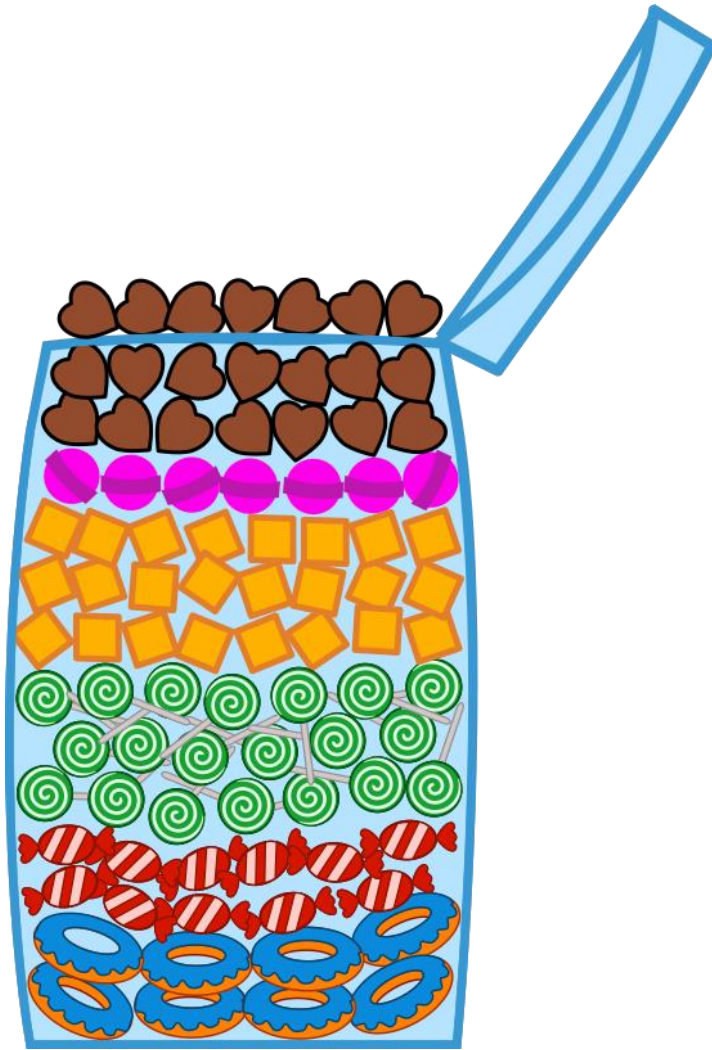
Question:

Who broke the window? Write down the name of the child in the appropriate block on your answer sheet.

A2 Candy Jar

Beaver Tom is given sweets by his grandparents.
He wants to put all of them into the candy jar but when he does, the lid won't close.

To make them fit he decides he will remove all of the sweets of one type.



Question:

Which type of sweets should beaver Tom take out of the jar, so he can close the lid and keep as many sweets as possible? Write down the letter of your answer in the appropriate block on your answer sheet.

A:

B:

C:

D:

E:

F:

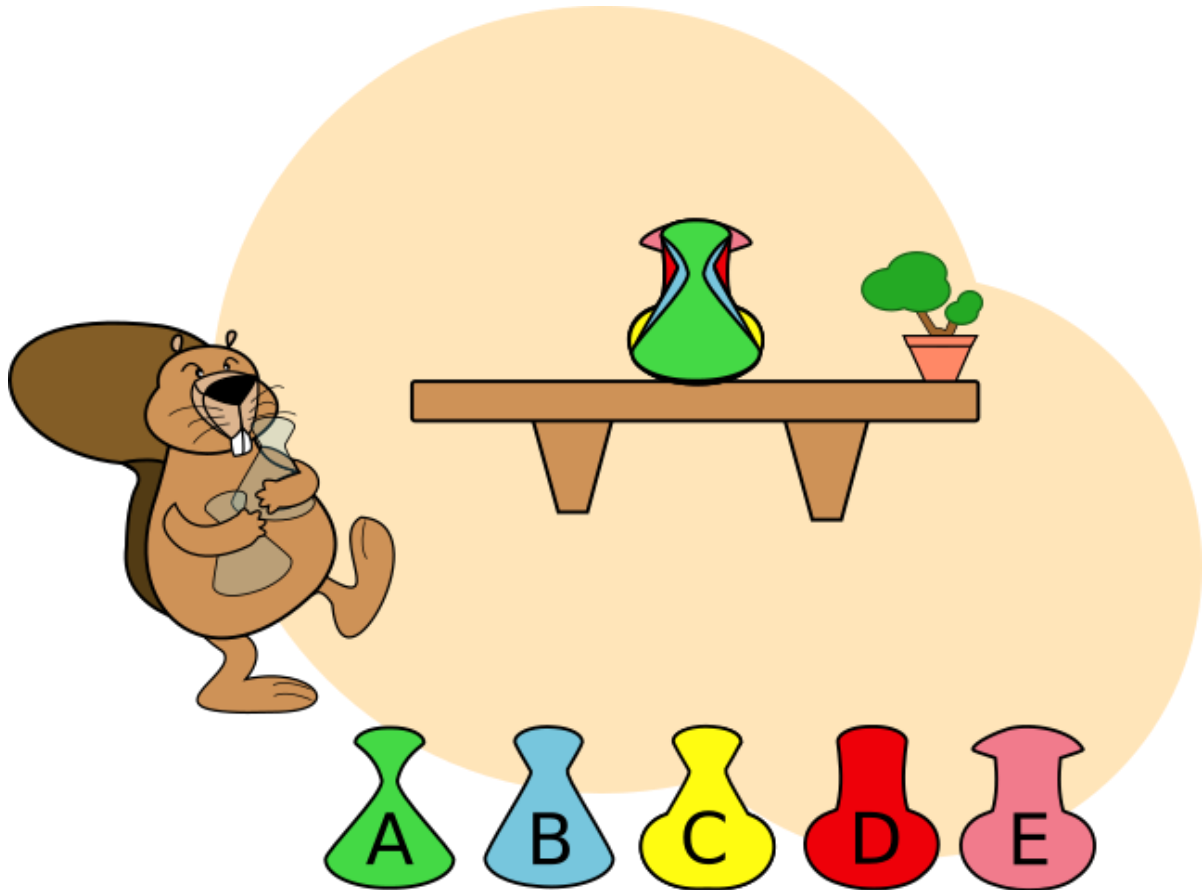


A3 Bottles

Beaver puts five bottles on a table.

He places them so that every bottle has a bit showing.

He places the first bottle at the back of the table and puts each new bottle in front of those already placed.



Question:

In what order are the bottles placed if they appear as shown in the picture above? Write down the letter of your answer in the appropriate block on your answer sheet.

A: E D C B A

B: D B C A E

C: E C D A B

D: D C E B A

B1 Beach Flags

Albert is the father of Beatrix and Richard. Albert is a guard on the local beach. When Beatrix and Richard are playing on the beach, Albert uses flags to send them messages.

This is what the flags mean:

The Flag on top:



If the flag is blue, the message is for Beatrix



If the flag is red, the message is for Richard



If the flag is blue-red the message is for Beatrix and Richard

The Flag in the middle:



Meal available (green)



Drink available (yellow)

The Flag on the bottom:



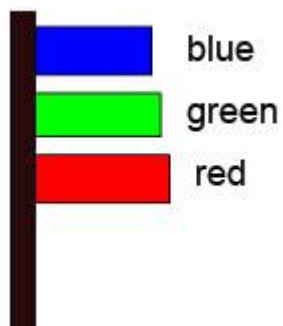
Hurry (red)



No need to hurry (white)

Question:

What do the flags on the pole below mean? Write down the letter of your answer in the appropriate block on your answer sheet.



A: Richard there is a meal for you hurry!

B: Beatrix there is a meal for you hurry!

C: Beatrix and Richard there is a drink for you, no need to hurry

D: Richard there is a drink for you, no need to hurry

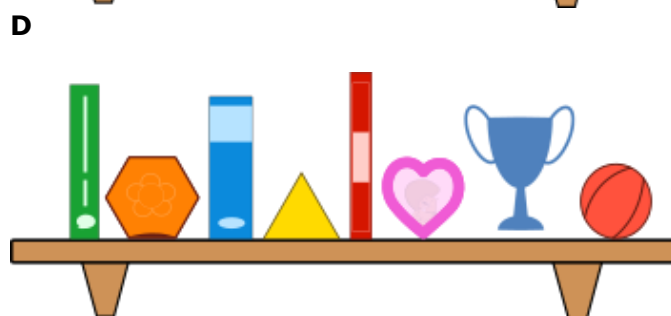
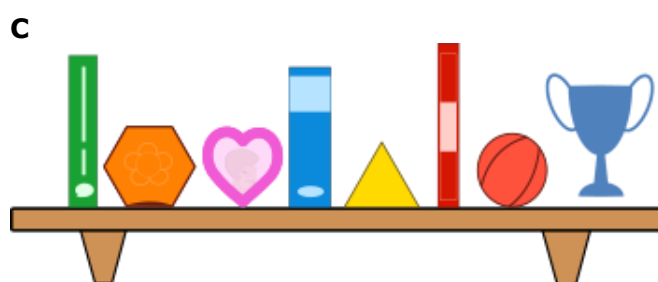
B2 Shelf Sort

Beatrix is trying to rearrange her shelf.
She has two rules:

1. Rectangular items must not be next to each other.
2. Circular items must not be next to rectangular items.

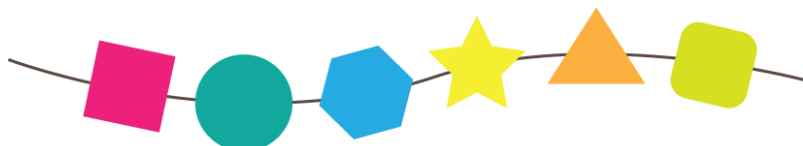
Question:

Which one of these shelves has followed her rules correctly? Write the letter of your answer in the appropriate block on your answer sheet.



B3 Bracelet

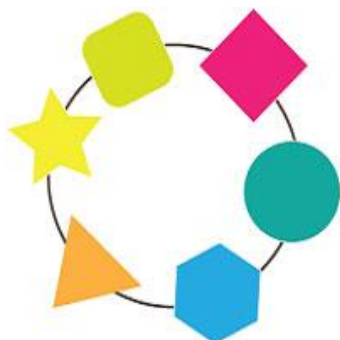
Emily has broken her favourite bracelet. The broken bracelet now looks like this:



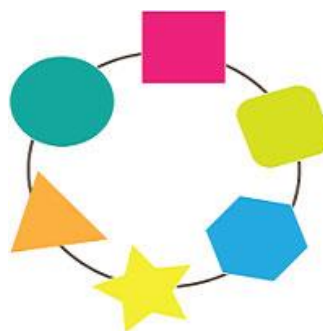
Question:

Which of the following four bracelets shows what the bracelet looked like before it was broken? Write down the letter of your answer in the appropriate block on the answer sheet.

A:



B:



C:



D:



B4 Exciting Soccer

The Beaver Rangers have been playing a soccer game against the Forest Raiders.

Here are the goal scorers:

minute 1: Anna
minute 10: Dick
minute 35: Bernard
minute 47: Smithy
minute 73: Backy
minute 89: Richard

The game was very exciting, no team ever scored twice in a row.



Question:

Which one of the following was the final score after 90 minutes? Write the letter of your answer in the appropriate block on your answer sheet.

A: 6-0

B: 5-1

C: 4-2















D: 3-3

C1 Beaver Code



Barbara has been given two stamps. With one she can produce a little flower, with the other a little sun.

Being a clever girl, she thinks of a way to write her own name by using the code below:

Letter	B	A	R	E	Y
Code		 	  	   	   

So "Barbara" becomes:



She then writes the names of her friends. Unfortunately they all got mixed up.

Question:

Whose name is written below? Write down the letter of your answer in the appropriate block on your answer sheet.



A: Abby

B: Arya

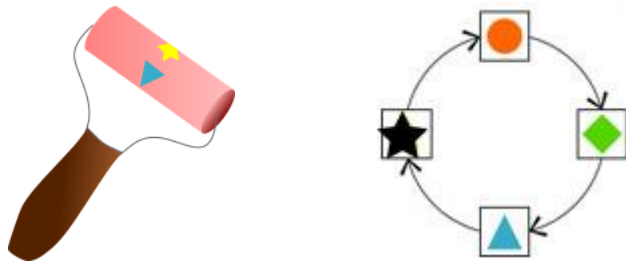
C: Barry

D: Ray

C2 Bebras Painting

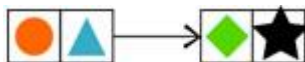
The Beaver children have found a magic roller.

The roller replaces a shape in a painting with the next shape shown by the arrows below.



Example:

When Ben uses the magic roller to paint over the painting on the left, he gets the painting on the right.

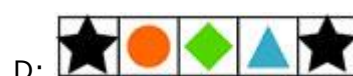


Question:

What will the painting below look like after using the magic roller?



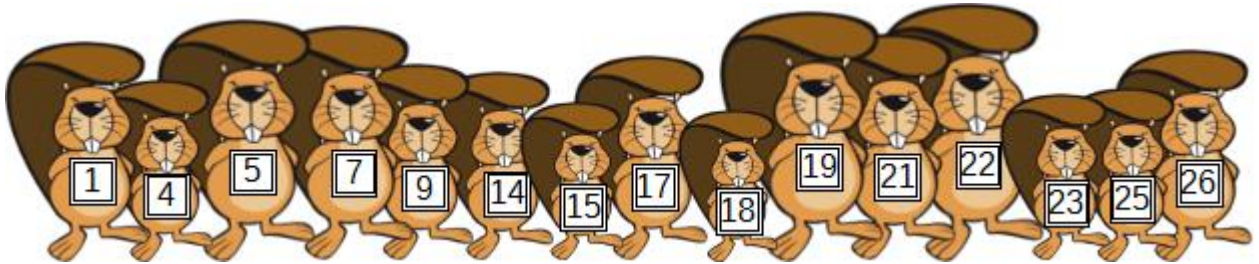
Write down the letter of your answer in the appropriate block on your answer sheet.



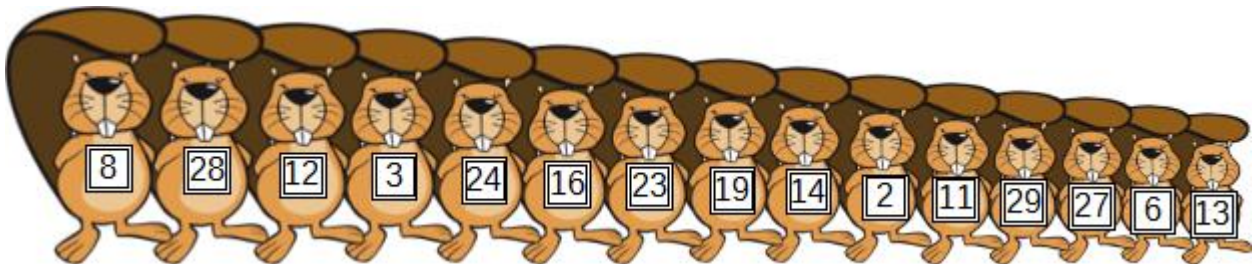
C3 Jersey Numbers

Two teams of 15 players each have numbers printed on their jerseys (see below). The players of the first team are ordered by jersey number. The players of the second team are ordered by player height.

Team 1's jersey numbers are: 1, 4, 5, 7, 9, 14, 15, 17, 18, 19, 21, 22, 23, 25, 26



Team 2's jersey numbers are: 8, 28, 12, 3, 24, 16, 23, 19, 14, 2, 11, 29, 27, 6, 13



Question:

How many jersey numbers are used in team 1 that are also used in team 2? Write the letter of your answer in the appropriate block on your answer sheet

- A: 1 jersey number
- B: 2 jersey numbers
- C: 3 jersey numbers
- D: 4 jersey numbers