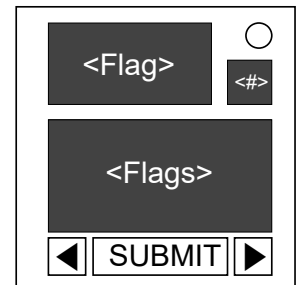# On the Subject of Flags

I hope you're good at geography as this is a flag quiz that doesn't make any sense!

The module consists of a screen with a main flag, a screen with 7 flags that can be navigated using the left and right buttons, and a screen displaying a number between 1 and 7.

Submitting a wrong flag will incur a strike. Submitting the correct flag will disarm the module.

First, sort the 7 flags by applying the first rule that follows its condition:

- If the main country is in North America, and there are no lit indicators, sort the 7 flags by their country name in alphabetical order.
- Otherwise, if the main country's dial code is higher than 100, and there is an RJ-45 port, sort the 7 flags by their dial code in numerical order.
- Otherwise, if the main country's name contains the last letter of its currency, sort the 7 flags by their ISO code in alphabetical order.
- Otherwise, if the main country's capital has more than 9 letters, sort the 7 flags by their capital in alphabetical order.
- Otherwise, if the main country is in Europe, and its currency is not EUR, sort the 7 flags by their continent in alphabetical order.
- Otherwise, if there is a country in the 7 flags with the same continent as the main country's, sort the 7 flags by their currency in alphabetic order.
- Otherwise, sort the 7 flags by their country name in alphabetical order.

If there are any flags that have the same information, sort the flags with duplicate information by their country name in alphabetic order.

A number will be displayed at the top right. After sorting the flags, submit the flag in the position of the displayed number in your sorted list of flags.

BUT if there is an unlit BOB indicator, and the serial number contains any character from the phrase "WHITE FLAG" while France is in the 7 flags, ignore all above instructions and simply submit the flag of France.

Use the table in the next pages to get information about flags and countries.

Flag	Country	Continent	Capital	Currency	ISO Code	Dial Code
	Algeria	North Africa	Algiers	DZD	DZA	+213
	Australia	Oceania	Canberra	AUD	AUS	+61
	Austria	Europe	Vienna	EUR	AUT	+43
	Belgium	Europe	Brussels	EUR	BEL	+32
	Brazil	South America	Brasília	BRL	BRA	+55
	Canada	North America	Ottawa	CAD	CAN	+1
	Chile	South America	Santiago	CLP	CHL	+56
	China	East Asia	Beijing	CNY	CHN	+86
	Colombia	South America	Bogotá	COP	COL	+57
	Cuba	South America	Havana	CUP	CUB	+53
	Czech Republic	Europe	Prague	CZK	CZE	+420
	Denmark	Europe	Copenhagen	DKK	DNK	+45
	Finland	Europe	Helsinki	EUR	FIN	+358
	France	Europe	Paris	EUR	FRA	+33
	Germany	Europe	Berlin	EUR	DEU	+49
	Greenland	North America	Nuuk	DKK	GRL	+299
	Iceland	Europe	Reykjavík	ISK	ISL	+354
	India	South Asia	New Delhi	INR	IND	+91

Flag	Country	Continent	Capital	Currency	ISO Code	Dial Code
	Japan	East Asia	Tokyo	JPY	JPN	+81
	Mexico	North America	Mexico City	MXN	MEX	+52
	Morocco	North Africa	Rabat	MAD	MAR	+212
	Netherlands	Europe	Amsterdam	EUR	NLD	+31
	New Zealand	Oceania	Wellington	NZD	NZL	+64
	Norway	Europe	Oslo	NOK	NOR	+47
	Panama	Central America	Panama City	PAB	PAN	+507
	Peru	South America	Lima	PEN	PER	+51
	Poland	Europe	Warsaw	PLN	POL	+48
	Samoa	Oceania	Apia	WST	WSM	+685
	Senegal	West Africa	Dakar	XOF	SEN	+221
	South Korea	East Asia	Seoul	KRW	KOR	+82
	Spain	Europe	Madrid	EUR	ESP	+34
	Sudan	North Africa	Khartoum	SDG	SDN	+249
	Sweden	Europe	Stockholm	SEK	SWE	+46
	Thailand	Southeast Asia	Bangkok	THB	THA	+66
	United Kingdom	Europe	London	GBP	GBR	+44
	United States	North America	Washington, D.C.	USD	USA	+1