**Task**

Annotate relations as counting or non-counting.

**Details**

Each task comprises a relation and five examples illustrating the use of the relation in expressing information on a given subject. The objective is to annotate this relation as a counting or non-counting relation based on these examples.

We can determine whether or not a relation is a counting relation by checking if this relation connects a subject to an aggregate of entities. This count should be an aggregation of uniquely identifiable entities which are likely to exist in the real-world and are separable from one another by some attribute(s) other than their names, i.e., the entities should have an individual identity.

**Examples**

1. *Donal Trump, children, 5* Counting Relation - **Yes**

**Explanation** - Since each child is different from one another not just by their name but also by attributes like gender, age, occupation and so on, we can conclude that the relation *‘children*’ gives count information about the subject.

1. *Allianz Arena (stadium), capacity, 75000* Counting relation - **No**

**Explanation** - The relation ‘*capacity*’ provides a count of the seats in a stadium. The entities counted here are seats which may be distinguished by their names (by row and column number), but do not have any unique attributes.

1. *Golden Gate Bridge, vehicles per day, 112000* Counting relation - **No**

Explanation - Here, the relation is a measure to be more accurate. It gives a measure of the number of vehicles passing per day, than an absolute count value.

1. *Parliament of India, number of seats, 545*  Counting relation - **Yes**

Explanation - The number here is a count of seats in a parliament. Here the count is representative of the actual members of the parliament than just the count of seats physically present in the parliamentary room.

1. *John Abraham (American football), draft pick, 13* Counting Relation - **No**

Explanation - The relation **draft pick** expresses an ordering. The number 13 is not a count of entities but, the order in which drafting was performed for the footballer.

**Do the following relations give a count of uniquely identifiable entities? Select the best option.** *(Hint: You may use Google or Wikipedia to look up unfamiliar subjects)*



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| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Anthony McGill (snooker player) | ranking wins | 1 |
| Mark Johnston-Allen | ranking wins | 0 |
| Terry Griffiths | ranking wins | 1 |
| John Higgins (snooker player) | ranking wins | 28 |
| Graeme Dott | ranking wins | 2 |



Yes Maybe yes No Maybe no Makes no sense

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| The Herald (Sharon) | circulation | 15715 |
| H.O.W. Journal | circulation | 4000 |
| L'Officiel | circulation | 101719 |
| The Music Scene (magazine) | circulation | 25000 |
| Pipe Dream (newspaper) | circulation | 7000 |



Yes Maybe yes No Maybe no Makes no sense

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| FC Neftekhimik Nizhnekamsk Stanislav Matyash 1 | squad number | 36 |
| FK Rudar Probištip Tihi Vasilevski 1 | squad number | 10 |
| Sichuan Longfor F.C. Mao Xun 1 | squad number | 9 |
| 2005 PFC CSKA Moscow season Kirill Kochubei 1 | squad number | 37 |
| Wimbledon F.C. Alex Tapp 1 | squad number | 23 |



Yes Maybe yes No Maybe no Makes no sense



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| W Bangkok | number of suites | 34 |
| Selsdon Park Hotel | number of suites | 7 |
| Fairmont Beijing | number of suites | 24 |
| Sheraton Aleppo Hotel | number of suites | 31 |
| Oxford and Cambridge Club | number of suites | 3 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Taapaca | eruption year | 320 |
| Nevado de Toluca | eruption year | 1350 |
| Aguilera (volcano) | eruption year | 1250 |
| The Pleiades (volcano group) | eruption year | 1050 |
| Payun Matru | eruption year | 5050 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Institute of Inorganic Chemistry Slovak Academy of Sciences | number of doctoral students | 11 |
| International Institute of Information Technology, Bhubaneswar | number of doctoral students | 0 |
| Amity University Kolkata | number of doctoral students | 200 |
| Goethe University Frankfurt | number of doctoral students | 2371 |
| Rizvi College of Engineering | number of doctoral students | 0 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Italy at the 1964 Winter Olympics | rank in final medal count | 12 |
| United States at the 1998 Winter Olympics | rank in final medal count | 5 |
| Sweden at the 2006 Winter Olympics | rank in final medal count | 6 |
| Canada at the 1980 Winter Olympics | rank in final medal count | 14 |
| Austria at the 2014 Winter Olympics | rank in final medal count | 9 |

Yes Maybe yes No Maybe no Makes no sense 

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| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Bright Lights Film Journal | image size | 200 |
| Descent (magazine) | image size | 200 |
| Der Adler | image size | 273 |
| Road & Travel Magazine | image size | 300 |
| V Jump | image size | 230 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Bordentown (River Line station) | fare zone | 1 |
| Marx Dormoy (Paris Métro) | fare zone | 1 |
| Yakhtennaya | fare zone | 3 |
| Lancaster Gate tube station | fare zone | 1 |
| Streatham Hill railway station | fare zone | 3 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Zourab Tsiskaridze 12 | number of matches | 9 |
| Reda El-Weshi 6 | number of matches | 6 |
| Nima Wangdi (footballer) 3 | number of matches | 2 |
| Miloš Živković (footballer, born 1985) 4 | number of matches | 3 |
| Roddy Georgeson 7 | number of matches | 18 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Medical Universities (Myanmar) | number of undergraduate students | 600 |
| Gulf Medical University | number of undergraduate students | 77 |
| National Taiwan University | number of undergraduate students | 16533 |
| Robert R. McCormick School of Engineering and Applied Science | number of undergraduate students | 1450 |
| Lasell College | number of undergraduate students | 1600 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Alveus of hippocampus | brain info number | 168 |
| Temporopontine fibers | brain info number | 384 |
| Principal sensory nucleus of trigeminal nerve | brain info number | 552 |
| Ventricular system | brain info number | 192 |
| Lateral globus pallidus | brain info number | 214 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Keraterm camp | number of deaths | 150 |
| Lapušnik prison camp | number of deaths | 23 |
| Mechelen transit camp | number of deaths | 300 |
| Herzogenbusch concentration camp | number of deaths | 749 |
| Čelebići prison camp | number of deaths | 13 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Belmont University | number of postgraduate students | 1367 |
| Tel Aviv University | number of postgraduate students | 11577 |
| Bangabasi College | number of postgraduate students | 20 |
| Showa Pharmaceutical University | number of postgraduate students | 43 |
| Ritsumeikan University | number of postgraduate students | 2089 |

Yes Maybe yes No Maybe no Makes no sense 



|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Courtier Islands | number of islands | 24 |
| Yam Island (Queensland) | number of islands | 1 |
| Plum Island (New York) | number of islands | 1 |
| Griffiths Island | number of islands | 3 |
| Marinier Archipelago | number of islands | 3 |

Yes Maybe yes No Maybe no Makes no sense 

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Frafjord Tunnel | number of lanes | 2 |
| Lytle Tunnel | number of lanes | 6 |
| Çakıt Tunnel | number of lanes | 2 |
| Lehigh Tunnel | number of lanes | 4 |
| Sasago Tunnel | number of lanes | 2 |

Yes Maybe yes No Maybe no Makes no sense 

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| The Affiliated Jhongli Senior High School of National Central University | age range | 16 |
| Miras International School, Almaty | age range | 3 |
| Army of the Czech Republic | age range | 18 |
| Mongolian Armed Forces | age range | 16 |
| Jaffna Central College | age range | 5 |

Yes Maybe yes No Maybe no Makes no sense 

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Crimson Oklahoma Crimson 1 | colour hex code | 841617 |
| Olive (color) | colour hex code | 808000 |
| Sapphire (color) Blue Sapphire 1 | colour hex code | 126180 |
| Shades of purple Byzantium 1 | colour hex code | 702963 |
| Rose (color) white 1 | colour hex code | 674846 |

Yes Maybe yes No Maybe no Makes no sense 

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Meninges | gray subject | 193 |
| Extensor pollicis brevis muscle | gray subject | 125 |
| Superior rectal artery | gray subject | 154 |
| Saddle joint | gray subject | 70 |
| Longus capitis muscle | gray subject | 113 |

Yes Maybe yes No Maybe no Makes no sense 

|  |  |  |
| --- | --- | --- |
| **Subject** | **Relation** | **Object** |
| Julia Ann | number of films | 603 |
| Ariana (actress) | number of films | 293 |
| Tabitha Stevens | number of films | 8 |
| Vanessa Blue | number of films | 191 |
| Annabel Chong | number of films | 66 |

Yes Maybe yes No Maybe no Makes no sense 