**Table 1: Colour Coding Chart– ordered by #s**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Colour** | **Problem posed (generalized)** | **JJKK** | **DATM** | **NIJM** | **REGL** | **#** |
| Lavender | Do we use time and divide by 5 [number of intervals]? | X | X | X | X | 4 |
| Medium blue | What about if everyone brings x gifts each? | X | X | X | X | 4 |
| Purple | Is there an extra 5 minutes? (because last gift is opened starting at 5:35) | X | X | X | X | 4 |
| Deep red | How many people are there? | X | X | X | X | 4 |
| Slate blue | What are the factors of x? | X |  | X | X | 3 |
| Lime green | What is meant by an interval? | X |  | X | X | 3 |
| Olive green | Do all members give to everyone? |  | X | X | X | 3 |
| Goldenrod | Do they also bring gifts for themselves? |  | X | X | X | 3 |
| Orange | Does everyone bring the same amount of gifts? | [X] | X | X | X | 3 |
| Sky blue | How many gifts are there? |  |  | X | X | 2 |
| Brown | What if there are x people? |  |  | X | X | 2 |
| Green | How do we think outside the box? |  |  | X | X | 2 |
| Teal | Is it a square root? | X |  | X |  | 2 |
| Fuschia | Why did we get x? | X | X |  |  | 2 |
| Dark pink | How long does it take to open all the gifts? | X | X |  |  | 2 |
| Light purple | Can they take breaks in between opening gifts? | X | X |  |  | 2 |
| Pale yellow | Does it start at one o’clock? |  | X | X |  | 2 |
| Gray | What is a tournament? |  |  |  | X | 1 |
| Red | What if it’s an exchange? |  |  |  | X | 1 |
| Light green | How long does it take to open one gift? |  |  |  | X | 1 |
| Forest green | Can’t we just count how many people? |  |  |  | X | 1 |
| Lilac | How many gifts does each person bring? | X |  |  |  | 1 |
| Coral | How many gifts are opened in an hour? | X |  |  |  | 1 |
| Gold | Is another group’s answer right? |  |  | X |  | 1 |
| Sage | Can they bring partial gifts? |  |  | X |  | 1 |
| Pink | What if someone doesn’t get a gift? |  |  | X |  | 1 |
| Dark blue | How do we know if we’re right? |  | X |  |  | 1 |
| Blue | What if there are x people and gifts? |  | X |  |  | 1 |
| Peach | Does it take 5 minutes to open one gift or 5 minutes to open all the gifts that one person brings? |  | X |  |  | 1 |
| Light blue | How can we use the 24 hour clock? |  | X |  |  | 1 |
| Yellow | Can they open gifts at the same time? |  | X |  |  | 1 |