Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**January Math Puzzlers**

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| --- | --- | --- |
| Three classes at Lakeview School are going on a field trip. The table shows the number of people in each class, including the teacher.  They can choose to use buses, vans, and cars. |  | Table |

|  |  |  |
| --- | --- | --- |
| Bus | Van | Car |
| Buses have 20 seats | Vans have 16 seats | Cars have 5 seats |

Which three combinations can be used to take all three classes on the field trip?

1. 1 bus and 4 vans C. 1 bus and 8 cars
2. 3 vans and 11 cars D. 2 buses, 3 vans and 4 cars

E. 1 bus, 1 van, and 6 cars

Ms. Morales has a bag of beads.

* She gives Elena 5 beads.
* She gives Damian 8 more beads than Elena.
* She gives Trish 4 times as many beads as Damian.

Ms. Morales then has 10 beads left in the bag.

Part A:

How many beads did Damian and Trish each receive? Show or explain how you arrived at each answer.

Part B:

How many beads were in Ms. Morales’ bag before any beads were given to students?