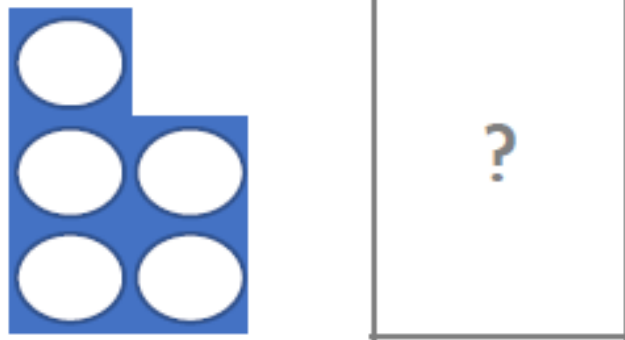


Reasoning and problem solving – Beginning

1a. Sally is making 2 equal groups of 5. What combination of Numicon can she use to make the second group?



Think about number bonds to 5....

2b. How can you make these groups below equal?



A.



B.



C.

Do you need to add more or take some away?

6a. Rosie has 16 sweets. Can she make equal groups of 5?



Explain your answer.

Use things from around the house to help.

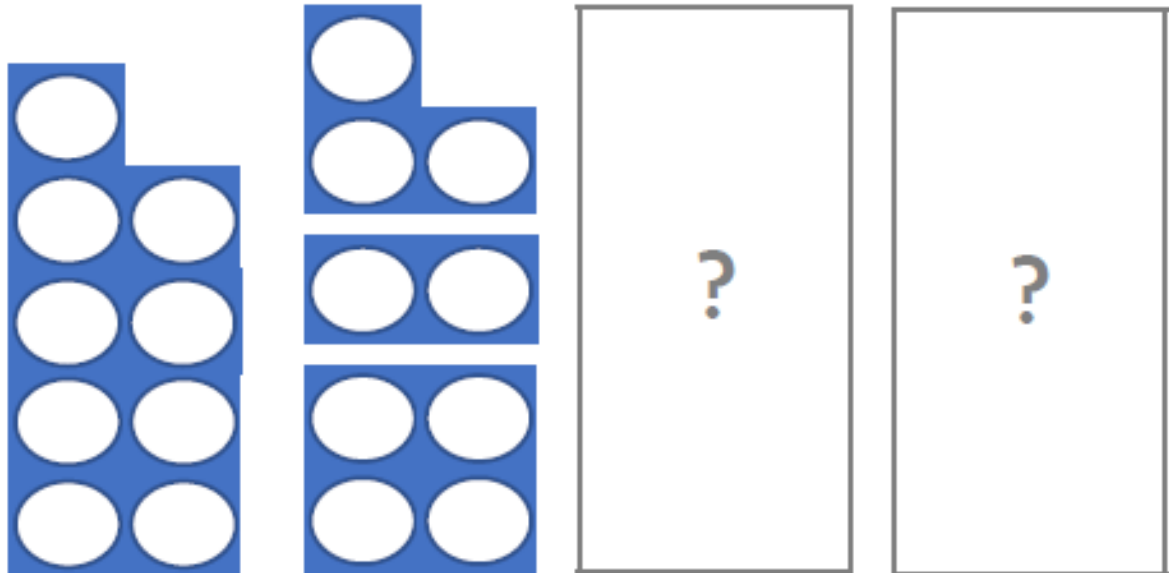
6b. Carl has 17 marbles. Can he make 8 equal groups of 2?



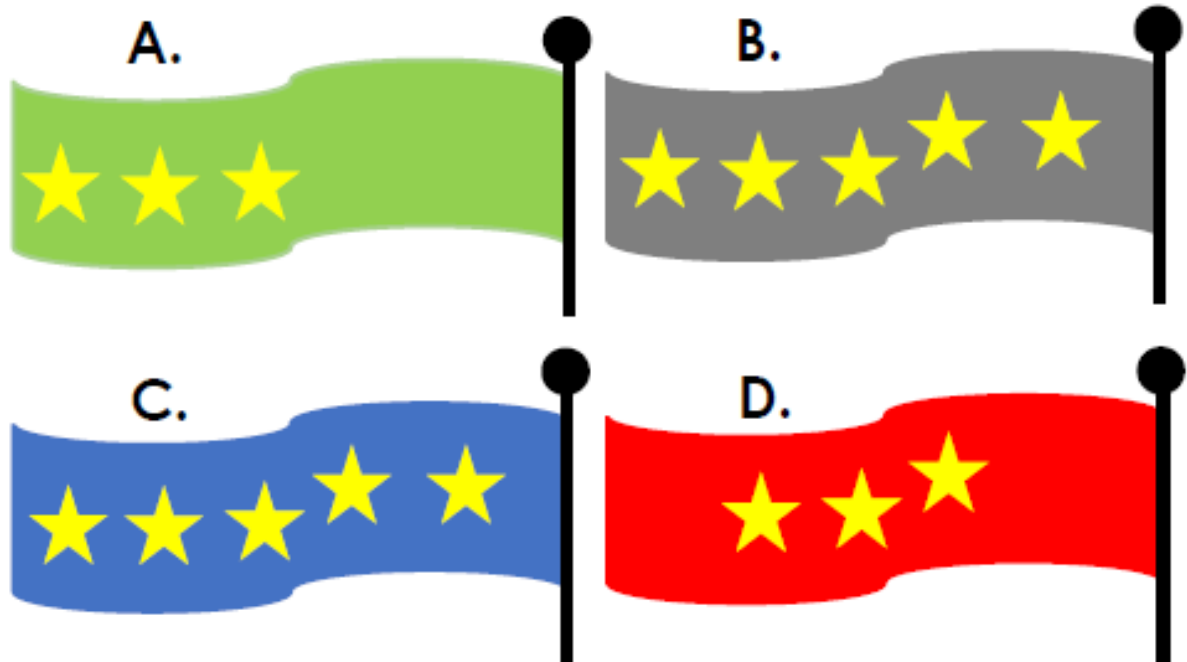
Explain your answer.

Reasoning and problem solving – Really hard!

7a. Tia is making 4 equal groups of 9.
What combination of Numicon can she
use to make the third and fourth group?



8b. How can you make these groups
below equal?



These are reasoning and problem solving questions. They are designed for the children to do with an adult. You don't need to write down the answers, just talk about them. Sometimes the act of discussing Maths creates the understanding without needing to record it. You may need to use objects from around the house to help you. You might want to draw Numicon to help you. The questions are differentiated.