

# A Most Mysterious Mouse

by Giovanna Zoboi

CORE COMPETENCY -Identity

How do numbers help us communicate and think about ourselves?

INQUIRY Question: How can we decompose and compose numbers to help us add, subtract, multiply and divide?

The BIG Mathematical Ideas - Grade 3 & 4

Development of computational fluency and multiplicative thinking requires analysis of patterns and relations in multiplication and division.

Number represents and describes quantity

Computational fluency develops from a strong sense of number.

CURRICULAR COMPETENCIES

Modelling math understanding by acting it out, using concrete materials, drawing pictures

Any of the number scenarios offered in the story become a springboard for modelling and representing number stories on the number concept math:

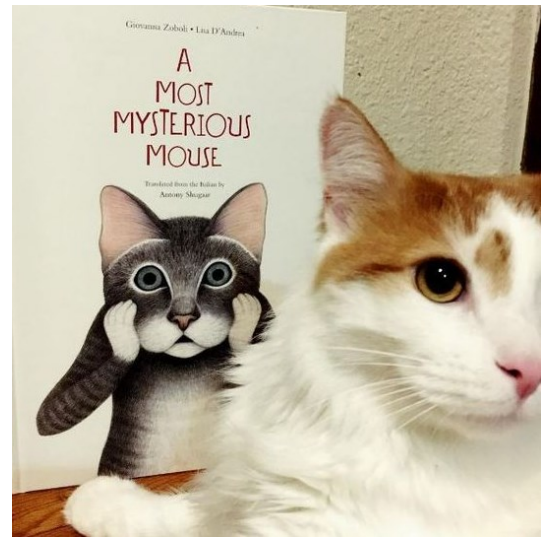
33 Mice Dancing a Polka

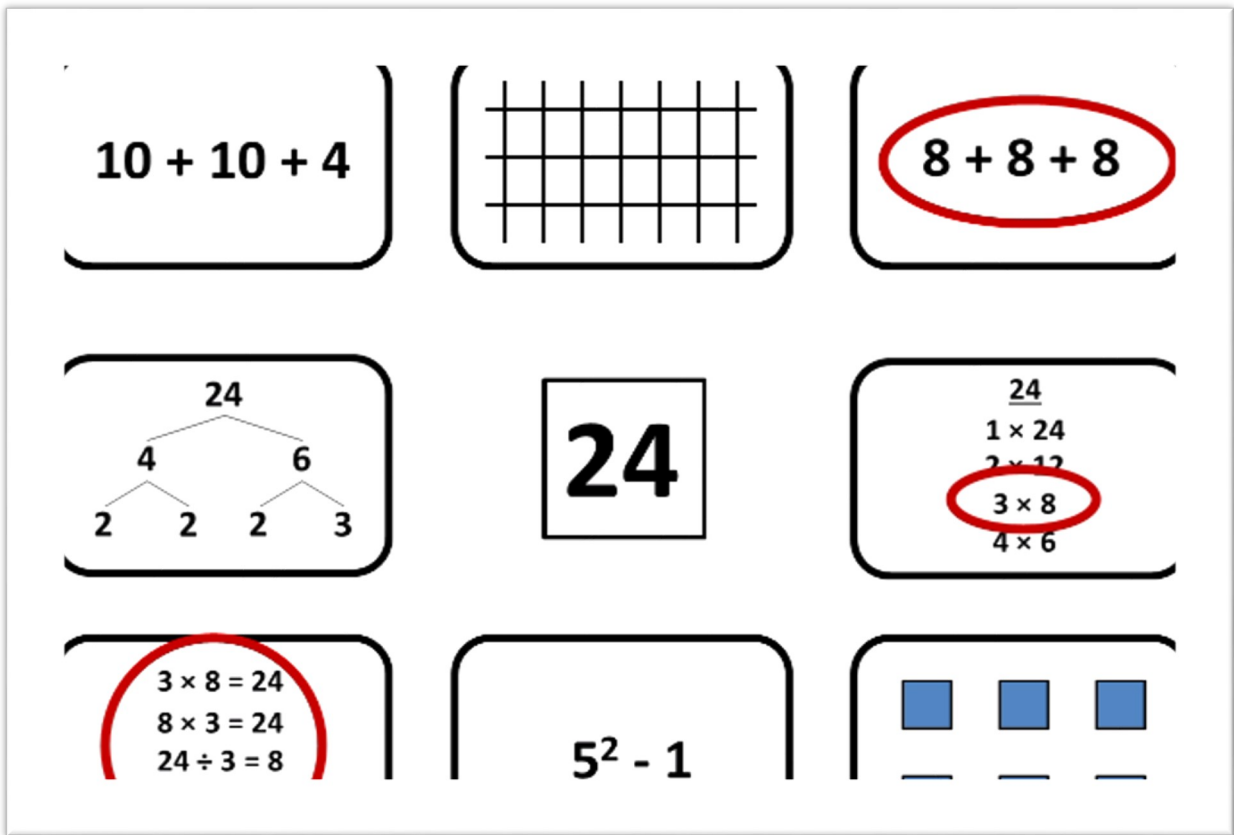
16 mice playing cards

27 mice lining up to buy rain boots

Eighty-eight mice in checkered jackets

144 mice zooming along on a tripl-decker bus





Steve Wyborney sample of Number Concept Mat

View Steve's video on gathering representations in the classroom community (also examples to show how you might use those representations to look for connections among ideas offered.)

<http://www.stevewyborney.com/?p=187>

