

 PUZZLE OF THE WEEK 

Solved by: _____

SOLUTION

It is fun and helpful to work on a puzzle with a group! Please make sure you list all the people who worked on the puzzle together (friends, classmates, family members). Please include last names and divisions too!

I like to buy Pokémon cards and I have saved up my money to buy some this weekend. If I buy 5 packs, I will have \$2 left over. If I buy 7 packs, I will need \$8 more. How much money do I have?

The difference between the number of packs is 2 ($7 \text{ packs} - 5 \text{ packs} = 2 \text{ packs}$).
The difference in money needed for those 2 extra packs is \$10 ($+8 - (-2) = \10)

We have \$10 for those 2 extra packs, so each pack must be worth \$5.

So 5 packs would cost \$25 ($5 \times 5 = 25$).

Two dollars leftover would mean I have \$27.

We can double check this using the 7 packs.

7 packs would cost \$35 ($7 \times 5 = 35$).

If I have \$27 then I would need \$8 more for 7 packs and this matches the information in the question.

I have \$27.

Please submit your hard work to the box outside of Ms. Rush's room (209) or the office!

Special thanks to Math Walks for the puzzle