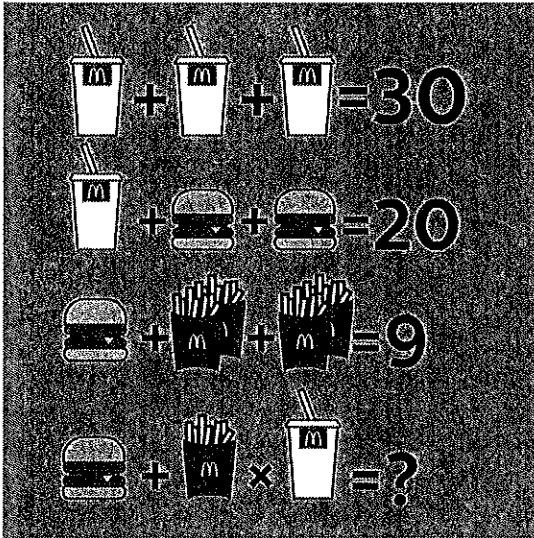


Day 2: Facebook Meme Problem Solving

1. Solve this problem and check your answer with your neighbor.



$$d = \text{drink}$$

$$b = \text{burger}$$

$$f = \text{fries}$$

$$d = 10$$

$$b = 5$$

$$f = 1$$

2. What were some strategies you used to solve the problem? Discuss with your partner.

Dividing, subtracting, substituting,
order of operations (PEMDAS)

3. What are some equations that might help solve the problem? Write down as many as you can.

$$d + d + d = 30 \quad d + b + b = 20 \quad b + 2f + 2f = 9$$

$$3d = 30 \quad d + 2b = 20 \quad b + 4f = 9$$

4. What are some mistakes a student might make? What advice would you give them for the future?

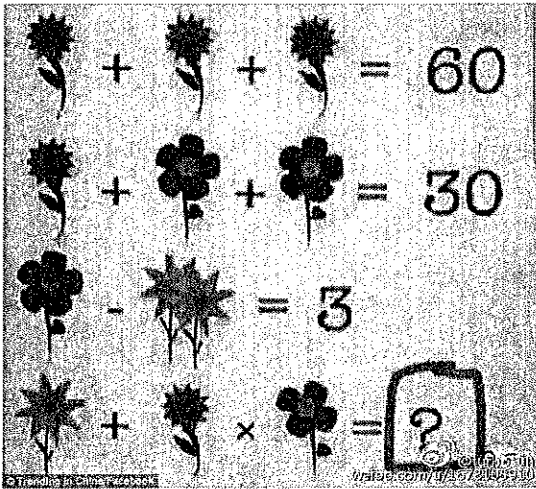
Miscounting fries, missing the "x" symbol,
wrong order of operations

5. A student gets the final answer of 70. They made two mistakes. Identify the mistakes, and give them advice for the future.

$$(5 + 2) \times 10 = 70$$

They thought the fries were worth 2 AND ~~they~~ they did the wrong order.

6. Here's another meme to solve. Think about the mistakes a student might make while trying to solve this problem. Trade your paper with a neighbor when you finish.



$$a = 20$$

$$b = 5$$

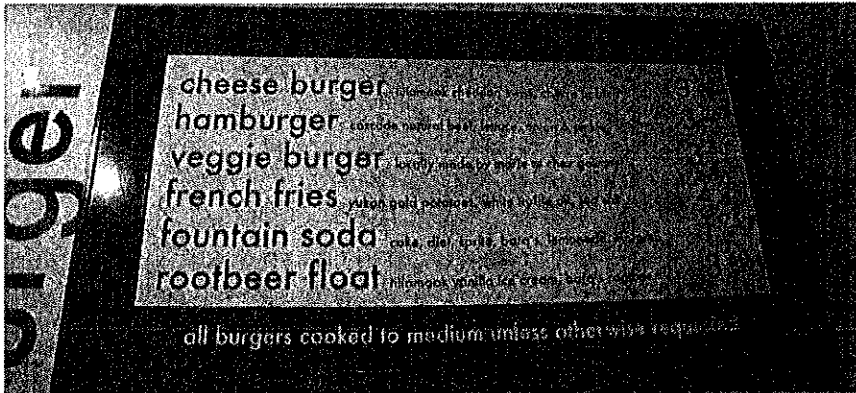
$$c = 1$$

7. A student got an answer of 110. They made 2 mistakes. What were their mistakes and what advice would you give them for the future?

~~(20 + 20) * 5 = 110~~
~~(2 + 20) * 5 = 110~~
 $(2 + 20) * 5 = 110$

Thought the flower was 2,
 wrong order of operations.

8. Most burger restaurants don't give their prices as a picture problem like in number 1. Most menus look more like this:



Answers vary

Using the prices from the menu, create your own picture problem (like number 1). You do not need to use all items from the menu, but you must use **at least 3** items.

9. Trade your problem with your neighbor and double check that it matches the prices on the menu.

10. What strategies did you use to make your own problem? Was it more difficult than solving the McDonald's problem? Discuss.