Cup Fever

Activity

At the basketball championships, the souvenir stall is offering a special deal. It's selling 3 caps, 3 T-shirts, and 3 flags for $84.

1. If 1 cap costs twice as much as a flag and 1 T-shirt costs 4 times as much as a flag, how much should you pay for:
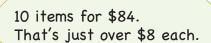
   a.   1 cap?   b.   1 T-shirt?   c.   1 flag?

> If I divide $84 by 3, that will tell me what 1 cap, 1 flag, and 1 T-shirt cost altogether.
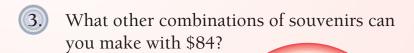
> I could try different prices for a flag and see which price works.

2. Anne has $84, but she doesn't want to buy the combination of souvenirs offered in the special deal. The stall owner allows her to choose what she wants at the special price. She buys 10 items for $84. 8 of these are the same item, and she buys 2 other items. What does she buy?

> 10 items for $84. That's just over $8 each.

> Don't forget that the items won't all cost the same amount.

3. What other combinations of souvenirs can you make with $84?

> I think I can buy 21 flags with $84.

> Or you could buy 19 flags and 1 cap.

> Or 17 flags and 1 T-shirt!

Solving word problems using combinations of operations