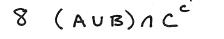


Let C represent the set of primary colors. Use C to answer questions I through 4.

- 1. 15 C well-defined? yes
- 2. What is the Cardinal number of C?
- 3. List all the elements of C. = Ered, blue, yellow }

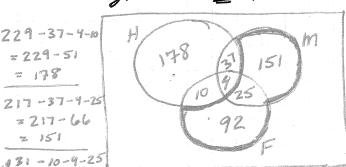
For questions 5 through 8, draw a Venn diagram of the situation.





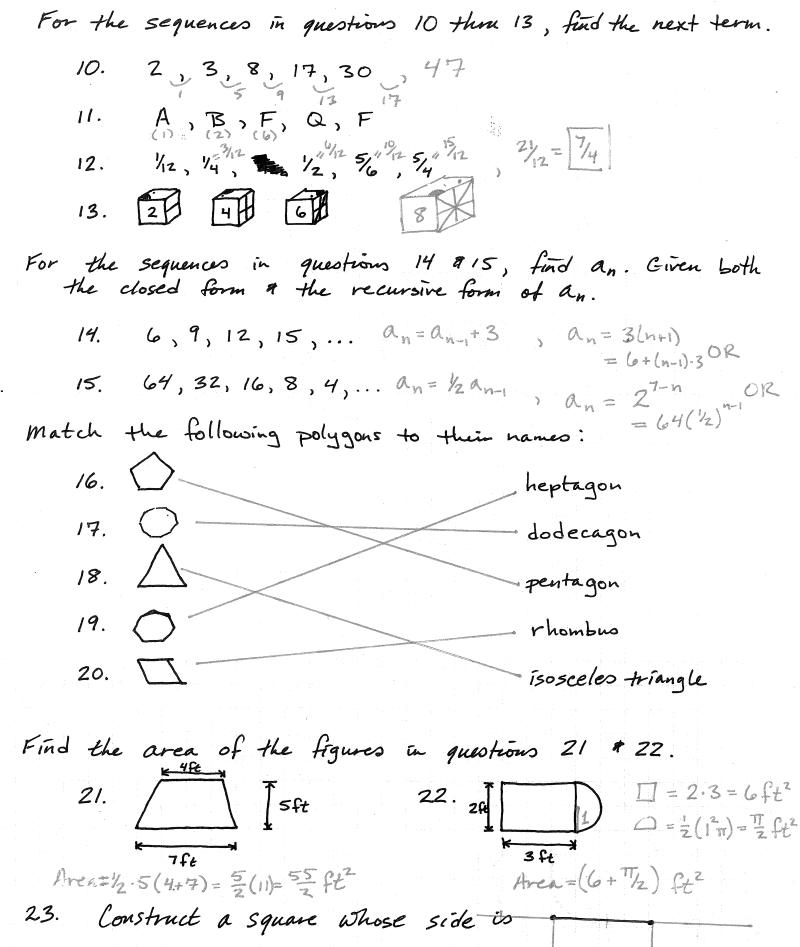


Given the following situation, answer the question at the end: Joe owns a bookstore. At last inventory, he had the followings in novels: 229 Historical Novels, 217 Mystery Novels, 131 Fantasy Novels, 41 books that were Historical mysteries, 29 Fantasy Mysteries, 14 Fantasical Histories, and 4 that were catagorized as all 3. How many books were Mysteries or Fantasies but not Historical Novels?



=131-39

Q: (MUF) nH5 = 151+25+92 = 268



4.

A count, a duke, an earl, and a knight were discussing the nation's problems with the king. Their names were Royal, Silverton, Towman, Uppercrust, and Vincent.

From the clues below, match the name of each man with his title.

1st time thru

1. "The peasants are very troublesome," Royal said.

2. "Yes," Towman agreed, "but we might be, too, if we were as poor as they."

Royal & Towman agree

3. "You're both wrong, of course," said the king. "I don't find them to be troublesome at all."

King is not Royal or Townan

4. "Oh, I didn't mean that they cause trouble," the duke corrected himself. The man who had agreed with him nodded.

Duke -> Royal or Townan

5. "Aha! Fence-straddling as usual," the knight thought. "Let's see them get out of this one."

Knight 5 not Royal or Townan

6. Vincent, trying to prevent an argument, said, "Your Highness, I think that Royal and the count meant that the poverty of the peasants distresses them, not that the peasants try to cause trouble."

Vincent is 01978 MIDW or the king MIDW or the counting

7. Disappointed, but not wanting to seem to be disagreeable, Uppercrust said, "Yes, I'm sure that's what they meant, Your Highness."

uppercuust not king

upperconst.

Chart for problem 4

the numbers show which clue was used to eliminate that choice 6' means clue #6 the 2nd time around, and the cross-hatching means

the options were elimanated by a solution

	Royal	Silverton	Towman	Uppercrust	Vincent
count					0
duke	Lay4'	4		4	4
earl			6		
king			3	7	
knight	5		5		

Vincent 7 - eart

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