

Set Word Problems

- 1) On a busy morning at Betty's Diner, 84 customers order coffee, 23 order milk, and 41 order orange juice. If 20 customers order milk and coffee, 27 order coffee and orange juice, 7 order orange juice and milk, and 4 order all three, how many customers order only one beverage?

PREVIEW

- 2) A survey revealed that 221 people got their intake of vitamin D from fish oil, 546 from sunlight, and 132 from pills. If 29 people depended on fish oil and sunlight, 81 on pills and sunlight, 17 on fish oil and pills, and none on all three, how many people were surveyed in all?

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- 3) In a week, 100 customers buy rock albums, 145 buy rap, 104 buy pop, and 28 buy all three. How many customers buy exactly two albums?

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- 4) Among the guests at a party, 14 wear necklaces, 16 wear bracelets, and 6 wear at least one of these items. How many guests wear at least one of these items?

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- 5) A survey revealed that 123 people enjoyed pottery and painting, 80 derived more joy from knitting. If 123 people liked pottery and painting, 1 enjoyed knitting and painting, 19 found pleasure in pottery and knitting, and 2 had fun from all three, how many people enjoyed only one activity?