

Creating a set given the equation.

$$\text{Set A} = \{4x, 1 \leq x \leq 5\}$$

$x = 1, 2, 3, 4, 5$

$$\text{Set A} = \{4, 8, 12, 16, 20\}$$

$$\text{Set B} = \{\underline{x+3}, 2 \leq x \leq 6\}$$

equation $x = 2, 3, 4, 5, 6$

$$\text{Set B} = \{5, 6, 7, 8, 9\}$$

$$A \cap B? = \{8\}$$

Long worksheet Sept. 12

1. $\{ \text{hockey} \}$

2 a) not empty

b) not

c) not

d) empty

3. 12 elements

4. $\{ 0, 11 \}$

5. 4 elements

6 a) $\{ a, b, c, d, e, 4, 5 \}$

b) $\{ c, e \}$

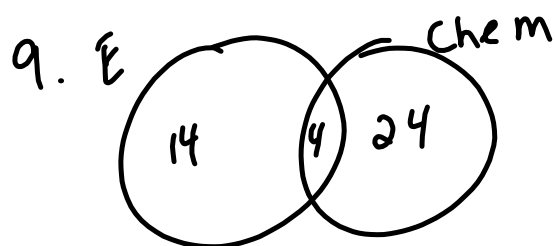
7 a) not empty

b) empty

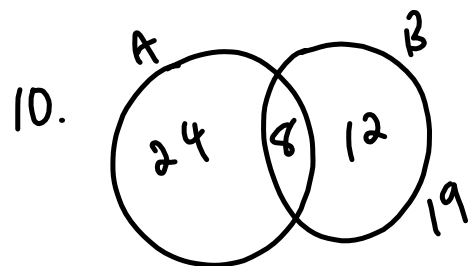
8. a)

$\{ 5, 6, 7, 8, 9, 10, 12 \}$

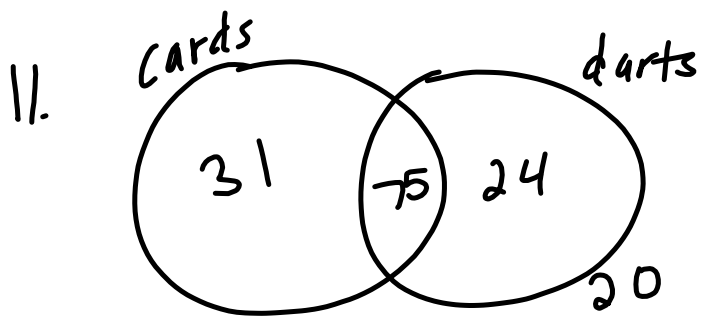
b) $\{ 6, 8, 10 \}$



Ans: 24



Ans: 44



b) 75

c) 24

12a) $\{a, e, i, o, u\}$

b) set U

c) empty

d) no, $C \subset U$

e) yes

13a) no

b) yes

c) 5

d) $\{1, 2, 3, 5, 7, 8, 9, 11, 13\}$

14 a) $\{2, 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 24\}$

b) $\{6, 12, 18\}$