

$$1. \quad \frac{x}{100} \text{ of } 94 = 18$$

$$\frac{x}{100} (94) = 18$$

$$94x = 1800$$

$$x = \frac{1800}{94} = \frac{900}{47}$$

$$\approx 19.15\%$$

$$2. \quad \frac{26}{100} \times x = 30$$

$$26x = 3000$$

$$x = \frac{1500}{13} = 115.385$$

3.

$$\text{Total price} = 640 + \frac{9}{100} (640)$$

$$= 697.6$$

~~4. $0.15 = 3500$~~

4. $0.2 = 3500$

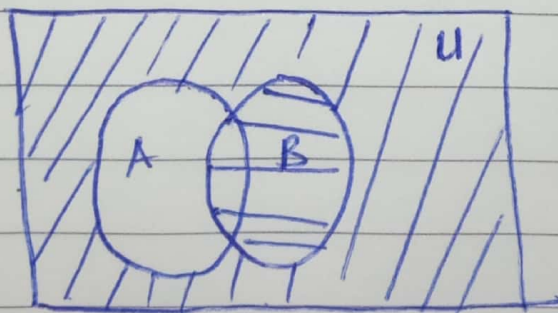
$$\frac{1.2 \times 3500}{0.2} = 21000$$

5. $= \{2, 4, 6, 8, 10, 12\}$

6. $= \{1\}$

7. $p(x) = 12$

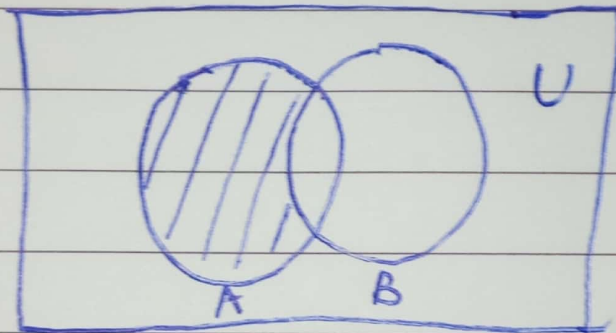
q.



$$8. = \{3, 5, 7, 11, 2, 13\}$$

Cardinal number = 6

10



11

$$P = \frac{12}{52} \times \frac{4}{52} = 0.018\% \\ = 1.8\%$$

$$12. P = \frac{3}{52} \times \frac{12}{52} = 0.0133\% \\ = 1.33\%$$

$$13. \quad 4^{10} = 1048576$$

$$14. \quad -(1+7x) - 6(-7-x) = 36$$

$$-1 - 7x + 42 + 6x = 36$$

$$-x + 41 = 36$$

$$-x = 36 - 41$$

$$-x = -5$$

$$x = 5$$

$$15. \quad 12 = -4(6x-3)$$

$$12 = -24x + 12$$

$$24x = 0$$

$$x = 0$$