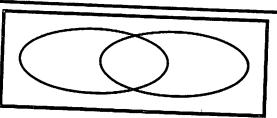
| t | | | | | | | | | | | | | |
|---|--|------------------------------|------------------------|------------|-----|----------|----------|----------|---------------|---|---|--|--|
| In a bowl of marbles, there are 10 red ones, 6 green ones, and 8 blue ones. | | | | | | | | | | | | | |
| 1. If a marble is chosen at random from the bowl, find Ptrod are | | | | | | | | | | | | | |
| 2. If two marbles are chosen at random with result | | | | | | | | | | | | | |
| 2. If two marbles are chosen at random with replacement, find P(red and a blue)? | | | | | | | | | | | | | |
| | 3. If two marbles are chosen at random without replacement, find | | | | | | | | | | | | |
| A person rolls two dice, one after the other. | | | | | | | | | | | | | |
| it/. | | | | | | | 3 | 4 | 5 | 6 | | | |
| 11/2 | | | | | | | | | | | | | |
| (som less than 5) | | | | | | - | | | | | | | |
| 6. What is the probability that the sum of two rolls | | | | | | \dashv | \dashv | \dashv | | | | | |
| | is an even numb | ber given at least on | e of the rolls is a 43 | ? <u>5</u> | | \dashv | \dashv | \dashv | + | | | | |
| | | | | | | _ | 7 | 7 | + | | | | |
| A card is chosen from a standard deck of cards. The drawer is looking for clubs and face cards. | | | | | | | | | | | | | |
| | | Club | Not a Club | | | | | | | | | | |
| | Face card Not a face card | 3 | 9 | | | | | | - | • | | | |
| • | - sideo cara | 10 | 30 | | | | | | | | | | |
| 1/4 7. Find P(Club) | | | | | | | | | | | | | |
| 1/. | | | | | | | | | | | | | |
| 8. Find P(Club Not a Face Card) | | | | | | | | | | | | | |
| 3/52 9. Find P(Club O Face Card) | | | | | | | | | | | | | |
| 10. Find P(Not a Club U Not a Face Card) | | | | | | | | | | | | | |
| _yrs 11. Are the events Club and Not a Face Caretter. | | | | | | | | | | | | | |
| <u> </u> | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 21/32 12. In a Coordinate Algebra class, 22 students were male and 10 students were female. | | | | | | | | | | | | | |
| chosen at random from the class what is the girls passed the EOCT. If a person is | | | | | | | | | | | | | |
| inat aid NOT pass the EOCT? | | | | | | | | | | | า | | |
| | | | 14-1 | Pass | Pas | | | _ | | | | | |
| | | | Male Female | | | + | | - | | | | | |
| | | | - Gridie | | | +- | | - | | | | | |
| | | | J | ı | | 1 | | | | | | | |



Of 500 athletes surveyed, 300 were male and 20 were lefthanded. Only 8 of the lefthanded athletes were female.

13. What is the probability that an athlete was male or was left-handed?

In a survey of 450 people, 200 of whom are female, it was found that 225 prefer chocolate ice cream including 99 males. Use this information to complete the table below.

| | Males | plete the table below. | 1 |
|-----------|-------|------------------------|-----|
| Vanilla | | <u>Females</u> | |
| Chocolate | | | |
| | | | 450 |

_14. The person likes chocolate.

151/250 15. The person like vanilla, given they are male.

351/450 16. The person likes vanilla or is a female.

No 17. Are being a male and liking chocolate independent events?

18. The probability of a randomly chosen boy playing basketball is 0.30. The chance that a •5 boy plays both basketball and football is 0.05. The chance that a boy plays football is 0.25. What is the probability that a randomly chosen boy plays basketball or football?

. 5

19. Assume that the following events are dependent:

- The probability that a high school student eats breakfast is 0.8.
- The probability that a high school senior will eat breakfast and get over 6 hours of

What is the probability that a high school senior will get over 6 hours of sleep, given that the person ate breakfast?

- 20. What is the P(getting a pair of Ace's from a deck of cards I one Ace)?
- 1/8 .21. What is the probability of flipping a coin three times and getting heads all three times?
- 1/60 22. What is the probability of getting a sum of 4 on a pair of dices and selecting the letter