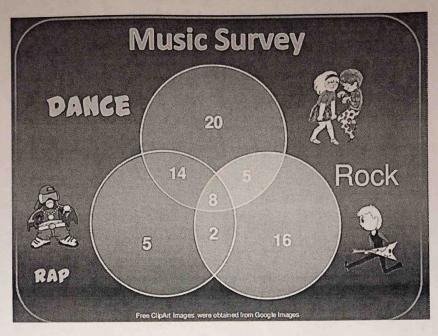
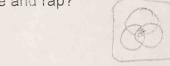
Answer the questions using the Venn diagram.



1. How many students took the music survey?

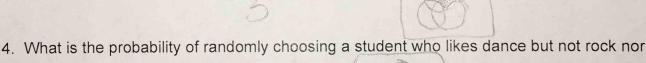
add all the #5 70

2. How many students like rock and dance and rap?



3. How many students like dance and rock but not rap?

20/20



rap?

rap?

5. What is the probability of randomly choosing a student who like rock given that they like

Only out of these who like rap far lock

6. If 50 more students took the music survey, how many students would you expect to say they like all three types of music?

P (all 3)= $\frac{8}{70}$, $50(\frac{8}{70})=5.7$ or about 6 students

A Class of 40 students completed a survey on what pets they like.
Everyone liked at least one pet. 10 students liked Cats and Birds but not dogs 6 students liked Cats and Dogs but not birds 2 students liked Dogs and Birds but not Cats 2 students liked all three pets 10 students liked Cats only 9 students liked Dogs only 1 student liked Birds only
27. Make a Venn diagram to represent the situation.
total = 40 (10 (2) 2)
8. How many students like cats?
10+10+2+6=28
9. How many students like birds and dogs but not cats?
At 11 and many attendants like all three animals?
10. How many students like all three animals?
11. How many students like cats only?
12. What is the probability of randomly choosing a students who likes dogs and cats but not
birds?
13. What's the probability that a student like dogs given that they like cats?
\mathcal{L}
14. If there were twice as many students who took the survey, how many would you expect to say they don't like cats? $P(no+ ca+) = \frac{12}{40}, \text{ So } 80(\frac{12}{40}) = 24$
(3)