Name: _____ Date: _____

Fresh Math

Dot Plots And Frequency Tables - Medium

Use the frequency table to answer each question.

1. What is the relative frequency of the interval 20-29? Minutes of exercise: 0-9, 10-19, 20-29, 30-39
   Frequency: 12, 7, 3, 8

2. How many values are less than 20? What percent of the data is that? Commute (min): 5-9, 10-14, 15-19, 20-24, 25-29
   Frequency: 3, 7, 3, 9, 2

3. How many values are less than 60? What percent of the data is that? Points per game: 40-44, 45-49, 50-54, 55-59, 60-64
   Frequency: 8, 11, 2, 2, 2

4. Make a cumulative frequency table. Heights (in.): 60-64, 65-69, 70-74, 75-79, 80-84
   Frequency: 11, 10, 10, 3, 3

5. How many values are less than 30? What percent of the data is that? Ages: 20-29, 30-39, 40-49, 50-59
   Frequency: 12, 7, 2, 2

6. What is the relative frequency of the interval 70-74? Heights (in.): 60-64, 65-69, 70-74, 75-79
   Frequency: 7, 3, 11, 7

7. How many values are less than 65? What percent of the data is that? Heights (in.): 60-64, 65-69, 70-74, 75-79, 80-84
   Frequency: 4, 2, 2, 8, 3

8. What is the relative frequency of the interval 80-89? Test scores: 50-59, 60-69, 70-79, 80-89, 90-99
   Frequency: 9, 12, 3, 10, 8

9. What is the relative frequency of the interval 40-49? Ages: 10-19, 20-29, 30-39, 40-49
   Frequency: 11, 11, 10, 12

10. How many values are less than 70? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69, 70-74
    Frequency: 7, 7, 12, 9, 12

Name: _____ Date: _____

Fresh Math

Dot Plots And Frequency Tables - Medium

Use the frequency table to answer each question.

11. What is the relative frequency of the interval 10-19? Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 7, 4, 5, 3, 9

12. What is the relative frequency of the interval 20-29? Minutes of exercise: 0-9, 10-19, 20-29, 30-39
Frequency: 6, 12, 3, 2

13. What is the relative frequency of the interval 70-74? Temperatures (°F): 50-54, 55-59, 60-64, 65-69, 70-74
Frequency: 2, 11, 5, 6, 3

14. What is the relative frequency of the interval 10-19? Ages: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 8, 9, 11, 2, 9

15. How many values are less than 30? What percent of the data is that? Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 5, 5, 6, 8, 4

16. How many values are less than 55? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69
Frequency: 2, 9, 3, 6

17. How many values are less than 55? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69, 70-74
Frequency: 7, 10, 10, 12, 5

18. What is the relative frequency of the interval 40-49? Ages: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 8, 7, 5, 8, 6

19. Make a cumulative frequency table. Temperatures (°F): 50-54, 55-59, 60-64, 65-69
Frequency: 10, 6, 12, 10

20. Make a cumulative frequency table. Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 3, 11, 4, 4, 5

Dot Plots And Frequency Tables - Medium - Answer Key

1. What is the relative frequency of the interval 20-29? Minutes of exercise: 0-9, 10-19, 20-29, 30-39
   Frequency: 12, 7, 3, 8
   3/30 = 1/10

2. How many values are less than 20? What percent of the data is that? Commute (min): 5-9, 10-14, 15-19, 20-24, 25-29
   Frequency: 3, 7, 3, 9, 2
   13; 13/24 ≈ 54.2%

3. How many values are less than 60? What percent of the data is that? Points per game: 40-44, 45-49, 50-54, 55-59, 60-64
   Frequency: 8, 11, 2, 2, 2
   23; 23/25 ≈ 92.0%

4. Make a cumulative frequency table. Heights (in.): 60-64, 65-69, 70-74, 75-79, 80-84
   Frequency: 11, 10, 10, 3, 3
   cumulative: 11, 21, 31, 34, 37

5. How many values are less than 30? What percent of the data is that? Ages: 20-29, 30-39, 40-49, 50-59
   Frequency: 12, 7, 2, 2
   12; 12/23 ≈ 52.2%

6. What is the relative frequency of the interval 70-74? Heights (in.): 60-64, 65-69, 70-74, 75-79
   Frequency: 7, 3, 11, 7
   11/28

7. How many values are less than 65? What percent of the data is that? Heights (in.): 60-64, 65-69, 70-74, 75-79, 80-84
   Frequency: 4, 2, 2, 8, 3
   4; 4/19 ≈ 21.1%

8. What is the relative frequency of the interval 80-89? Test scores: 50-59, 60-69, 70-79, 80-89, 90-99
   Frequency: 9, 12, 3, 10, 8
   10/42 = 5/21

9. What is the relative frequency of the interval 40-49? Ages: 10-19, 20-29, 30-39, 40-49
   Frequency: 11, 11, 10, 12
   12/44 = 3/11

10. How many values are less than 70? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69, 70-74
    Frequency: 7, 7, 12, 9, 12
    35; 35/47 ≈ 74.5%

Dot Plots And Frequency Tables - Medium - Answer Key

11. What is the relative frequency of the interval 10-19? Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 7, 4, 5, 3, 9
7/28 = 1/4

12. What is the relative frequency of the interval 20-29? Minutes of exercise: 0-9, 10-19, 20-29, 30-39
Frequency: 6, 12, 3, 2
3/23

13. What is the relative frequency of the interval 70-74? Temperatures (°F): 50-54, 55-59, 60-64, 65-69, 70-74
Frequency: 2, 11, 5, 6, 3
3/27 = 1/9

14. What is the relative frequency of the interval 10-19? Ages: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 8, 9, 11, 2, 9
8/39

15. How many values are less than 30? What percent of the data is that? Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 5, 5, 6, 8, 4
10; 10/28 ≈ 35.7%

16. How many values are less than 55? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69
Frequency: 2, 9, 3, 6
2; 2/20 ≈ 10.0%

17. How many values are less than 55? What percent of the data is that? Points per game: 50-54, 55-59, 60-64, 65-69, 70-74
Frequency: 7, 10, 10, 12, 5
7; 7/44 ≈ 15.9%

18. What is the relative frequency of the interval 40-49? Ages: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 8, 7, 5, 8, 6
8/34 = 4/17

19. Make a cumulative frequency table. Temperatures (°F): 50-54, 55-59, 60-64, 65-69
Frequency: 10, 6, 12, 10
cumulative: 10, 16, 28, 38

20. Make a cumulative frequency table. Minutes of exercise: 10-19, 20-29, 30-39, 40-49, 50-59
Frequency: 3, 11, 4, 4, 5
cumulative: 3, 14, 18, 22, 27