Numbers and statistics Worksheet

ACT Math

Name _____ Date _____

Warm-up

1. Find the mean of 15, 17, 11, 21.

2. 7 shirts and 4 pants. How many outfits?

3. What's 80% of 120?

4. Find the range of 4, 30, 33.

5. A bag has 8 red and 9 blue. Find the probability of red.

Practice

6. The average of 7 numbers is 16. One is removed, and the average of the rest is 13. What was it?

7. A die is rolled twice. Find the probability of 3 then 4.

8. A map uses 1 cm for 21 km. How far is 5 cm, in km?

9. Find the median of 2, 8, 16, 21.

10. A number 1 to 22 is picked. Find the probability it's even.

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11. A \$400 item is 30% off. What's the sale price, in dollars?

12. You've got 87 and 74. What do you need on a third test to average 78?

13. Probability of rain is $\frac{3}{10}$. Find the probability of no rain, as a decimal.

Challenge

14. 1 students average 68, and 3 students average 80. What's the overall mean?

15. 8 runners. How many ways for 1st and 2nd place?

16. A job takes A 5 hours and B 5 hours. How long together, as a fraction?

17. Five consecutive integers average 13. What's the largest?

18. A jar has 8 red and some blue marbles. The chance of red is $\frac{1}{5}$. How many blue?

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Numbers and statistics Worksheet: Answer Key

ACT Math

1. 16

   Total $\div$ 4.

2. 28

   Multiply.

3. 96

   0.8×120.

4. 29

   Max minus min.

5. $\frac{8}{17}$

   Want over total.

6. 34

   Totals: 7×16 and 6×13.

7. $\frac{1}{36}$

   $\frac{1}{6} \cdot \frac{1}{6}$.

8. 105

   Multiply.

9. 12

   Average the two middle values.

10. $\frac{1}{2}$

    Half are even.

11. 280

    Keep 70%.

12. 73

    Total needed is 3×78.

13. 0.7

    1$-$ it.

14. 77

    Totals, weighted.

15. 56

    8 options, then one fewer.

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16. $\dfrac{25}{10}$

    Rates: $\dfrac{1}{5} + \dfrac{1}{5}$.

17. 15

    The average is the middle one.

18. 32

    Total is 40.

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