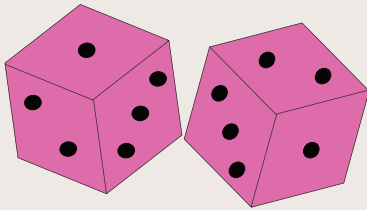


7th Grade

Statistics & Probability



$$P(A) = \frac{n(A)}{n(S)}$$



$$\bar{x} = \frac{\sum_{i=1}^n x_i}{n}$$



Workbook 1

Missing Number

E

Find the value of the variable x :

1) <i>The average of 9 and x is 7.</i> $x =$ <input type="text"/>	2) <i>The average of x and 8 is 5.</i> $x =$ <input type="text"/>
3) <i>The average of 15 and x is 9.</i> $x =$ <input type="text"/>	4) <i>The average of x and 11 is 10.</i> $x =$ <input type="text"/>
5) <i>The average of 18 and x is 15.</i> $x =$ <input type="text"/>	6) <i>The average of x and 7 is 11.</i> $x =$ <input type="text"/>
7) <i>The average of 16 and x is 10.</i> $x =$ <input type="text"/>	8) <i>The average of x and 17 is 18.</i> $x =$ <input type="text"/>
9) <i>The average of 12 and x is 7.</i> $x =$ <input type="text"/>	10) <i>The average of x and 8 is 11.</i> $x =$ <input type="text"/>
11) <i>The average of 5 and x is 8.</i> $x =$ <input type="text"/>	12) <i>The average of x and 9 is 13.</i> $x =$ <input type="text"/>
13) <i>The average of 16 and x is 17.</i> $x =$ <input type="text"/>	14) <i>The average of x and 1 is 7.</i> $x =$ <input type="text"/>
15) <i>The average of 17 and x is 13.</i> $x =$ <input type="text"/>	16) <i>The average of x and 10 is 12.</i> $x =$ <input type="text"/>
17) <i>The average of 16 and x is 18.</i> $x =$ <input type="text"/>	18) <i>The average of x and 4 is 6.</i> $x =$ <input type="text"/>

Missing Number

M

Find the value of the variable x:

1) 56, x, 48 <i>Average = 49</i> $x = $ <input type="text"/>	2) 91, 84, x, 79 <i>Average = 85</i> $x = $ <input type="text"/>	3) 16, x, 4, 21 <i>Average = 12</i> $x = $ <input type="text"/>
4) x, 45, 29 <i>Average = 37</i> $x = $ <input type="text"/>	5) 67, x, 58, 73 <i>Average = 63</i> $x = $ <input type="text"/>	6) 28, x, 36 <i>Average = 35</i> $x = $ <input type="text"/>
7) 2, 9, x, 10 <i>Average = 9</i> $x = $ <input type="text"/>	8) 71, 84, 76, x <i>Average = 78</i> $x = $ <input type="text"/>	9) 44, x, 55, 52 <i>Average = 52</i> $x = $ <input type="text"/>
10) x, 25, 29 <i>Average = 24</i> $x = $ <input type="text"/>	11) 99, 94, x <i>Average = 94</i> $x = $ <input type="text"/>	12) 69, 78, x, 63 <i>Average = 69</i> $x = $ <input type="text"/>
13) 32, 25, x <i>Average = 26</i> $x = $ <input type="text"/>	14) 96, 87, x, 79 <i>Average = 86</i> $x = $ <input type="text"/>	15) 28, 12, x <i>Average = 19</i> $x = $ <input type="text"/>
16) 38, 29, x, 42 <i>Average = 35</i> $x = $ <input type="text"/>	17) 53, 47, x <i>Average = 46</i> $x = $ <input type="text"/>	18) x, 11, 9, 16 <i>Average = 15</i> $x = $ <input type="text"/>
19) 75, x, 71, 59 <i>Average = 67</i> $x = $ <input type="text"/>	20) 1, 8, 13, x <i>Average = 10</i> $x = $ <input type="text"/>	21) 51, x, 67 <i>Average = 58</i> $x = $ <input type="text"/>

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A pair of dice is rolled.

Pair of Dice Worksheet

Problems

Work Space

Find all possible outcomes Answer: _____	
Find the probability of showing an even numbers on both dice Answer: _____	
Find the probability of showing an odd number on the second die Answer: _____	
Find the probability of not showing prime number on the first die Answer: _____	
Find the probability of showing prime numbers on both dice Answer: _____	
Find the probability of showing same numbers on both dice Answer: _____	

Probability Worksheet

A month is chosen from a year.

Problems

Work Space

Find the probability of selecting March. Answer: _____	
Find the probability of choosing a month starting with the letter M. Answer: _____	
Find the probability of selecting a month either starting with the letter M or J. Answer: _____	
Find the probability of selecting a month starting with the letter A. Answer: _____	
Find the probability of selecting a month with 30 days. Answer: _____	