



**THIRD SPACE
LEARNING**

Representing Data Check for Understanding

A 10 question retrieval quiz for
students in grades 6 and 7.

Grades 6 and 7

Questions

Name:

Class:

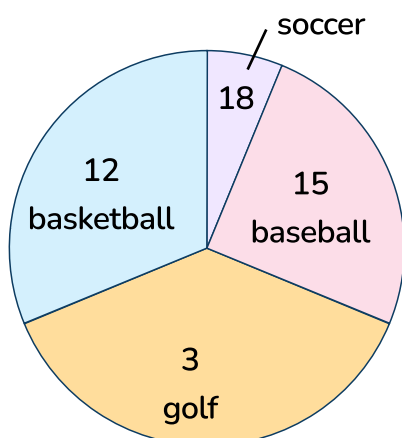
Date:

Score:

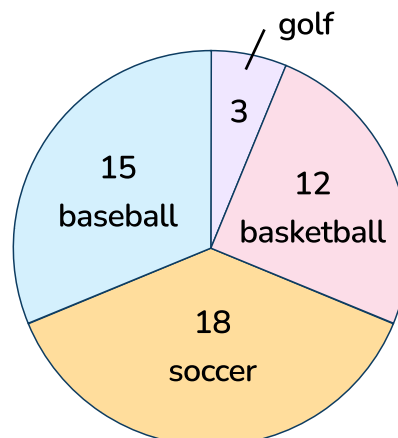
- 1 Which pie chart correctly represents the data in the table?

Favorite Sport	Number of Students
Basketball	12
Baseball	15
Soccer	18
Golf	3

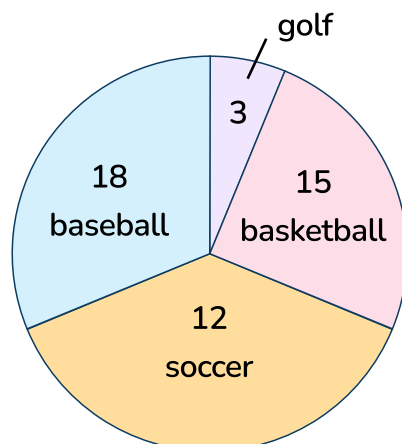
a



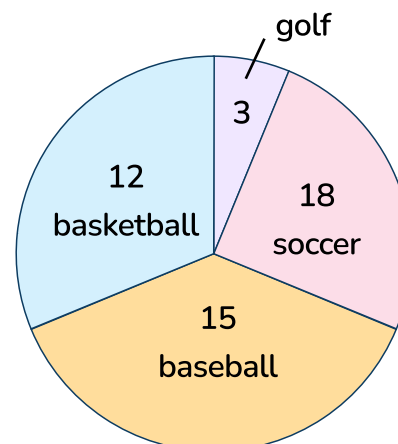
b



c



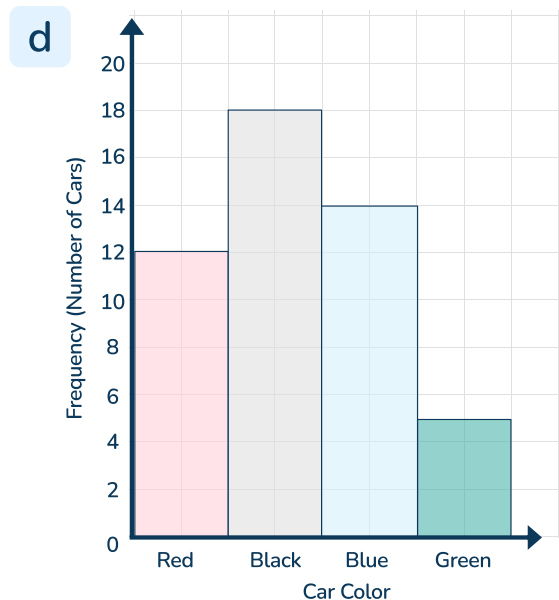
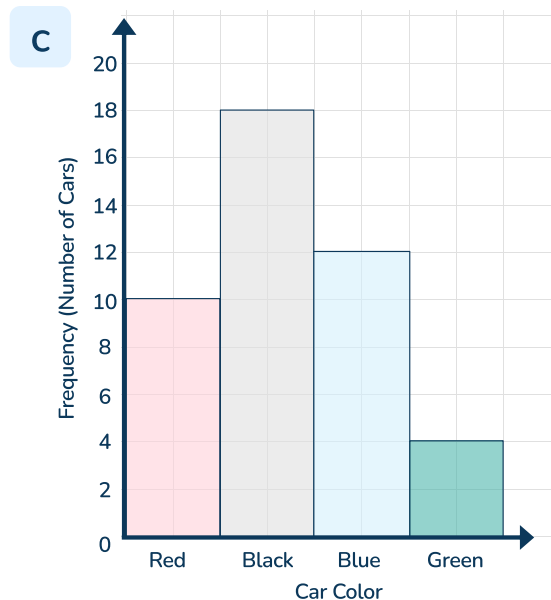
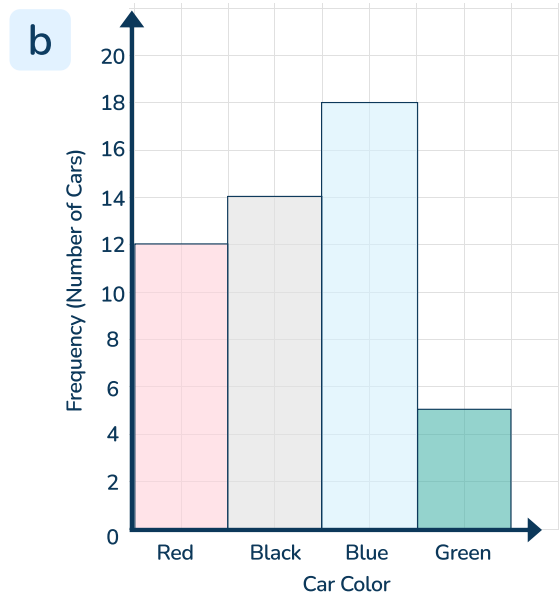
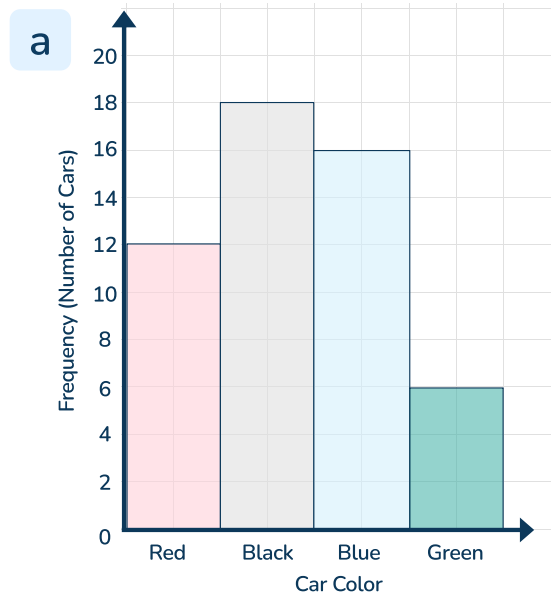
d



Answer

2 Which bar graph correctly represents the data in the table?

Car Color	Number of Cars
Red	12
Black	18
Blue	14
Green	5

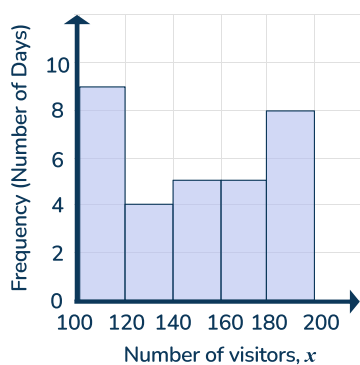


Answer

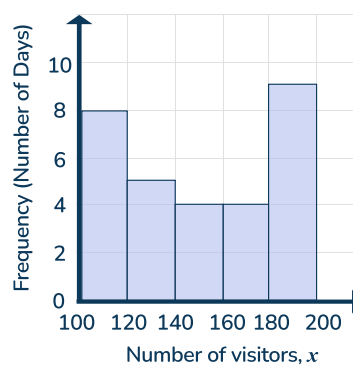
- 3 The table below shows the number of zoo visitors each day during the last month. Which histogram correctly represents the data set?

Number of Visitors, x	Frequency (Number of Days)
$100 \leq x < 120$	9
$120 \leq x < 140$	4
$140 \leq x < 160$	5
$160 \leq x < 180$	5
$180 \leq x < 200$	8

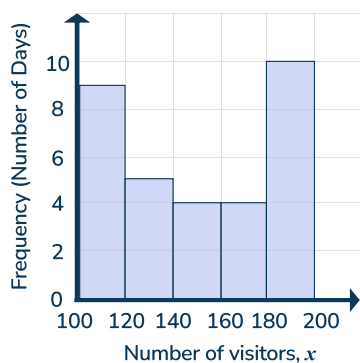
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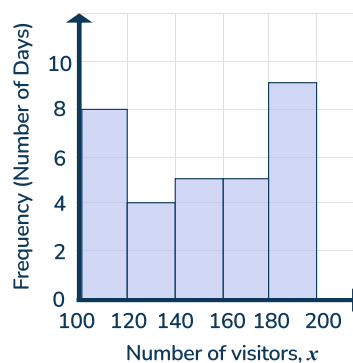
b



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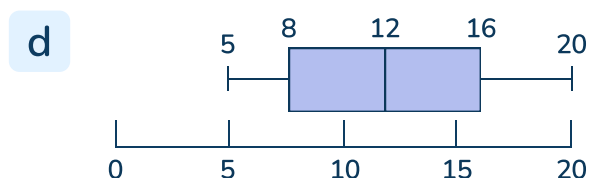
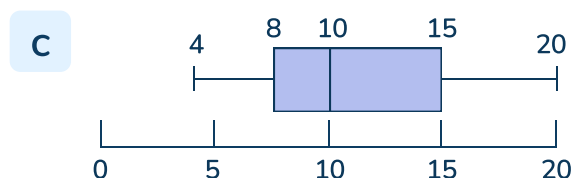
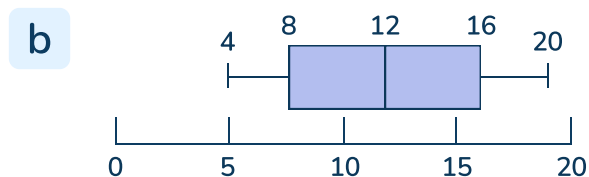
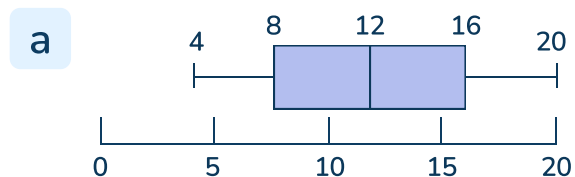
d



Answer

4 Which box plot correctly represents the data in the table?

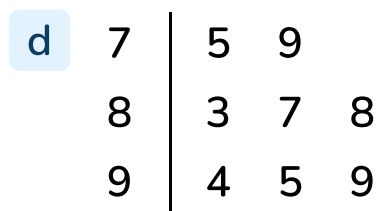
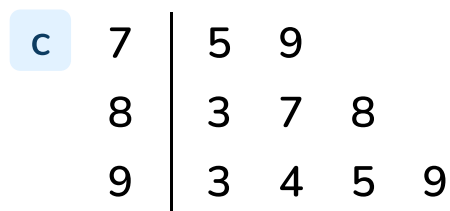
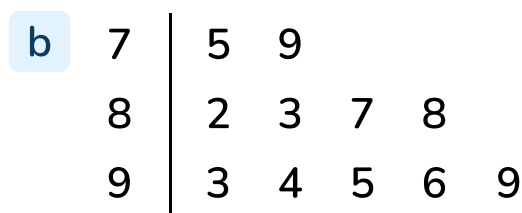
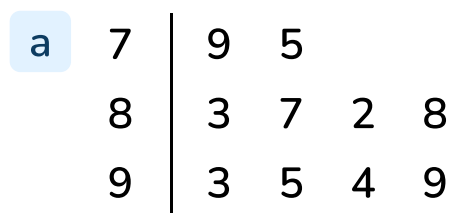
Minimum Value	5
Lower Quartile (Q1)	8
Median	12
Upper Quartile (Q3)	16
Maximum Value	20



Answer

5 The numbers below represent the scores on a math test of a small group of students. Which stem and leaf plot correctly represents the data set?

82, 83, 79, 93, 96, 94, 95, 99, 75, 88, 87



Answer

For all stem and leaf diagrams above, 8 | 7 represents a test score of 87%

- 6 Create a pie chart to represent the data.

Favorite Pet	Number of Students
Dog	24
Cat	14
Fish	2
Bird	6
Turtle	3

-
- 7 The table below shows the number of each dessert sold at a bakery in one hour. Create a bar graph to represent the data.

Bakery Item	Number Sold
Cookies	18
Brownies	9
Cupcakes	12
Pies	1
Donuts	16

- 8 The numbers below represent the heights of a high school basketball team. Create a histogram to represent the data.

71, 74, 70, 75, 73, 68, 72, 73, 74, 76, 70, 70, 68, 71, 72, 69, 74, 69, 72, 75

Height (Inches), x	Frequency (Number of Players)
$68 \leq x < 70$	
$70 \leq x < 72$	
$72 \leq x < 74$	
$74 \leq x < 76$	

-
- 9 Create a box plot to represent the data.

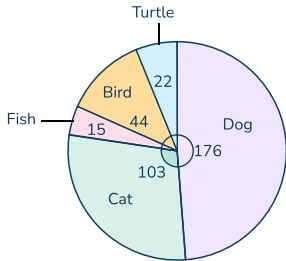
10	10	15	17	22
24	24	27	30	36
38	40	42	42	45

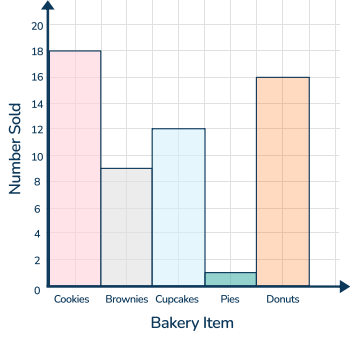
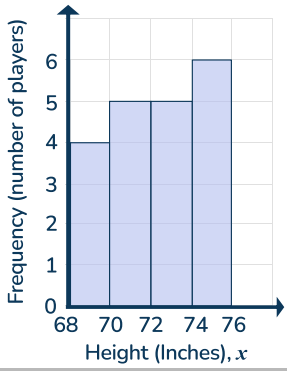
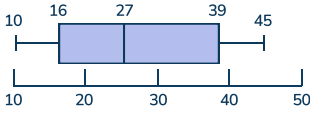
- 10 The numbers below represent the scores that Mr. Johnson recorded from his students' recent math quiz.

43, 55, 62, 48, 58, 51, 67, 49, 53, 64, 57, 52, 61, 46, 50, 59, 65, 54, 60, 47

Create a stem and leaf plot to represent the data.

Answers

Question number	Question	Answers	Standard												
1	Which pie chart correctly represents the data in the table?	Pie chart b	6.SP.B.4												
2	Which bar graph correctly represents the data in the table?	Bar graph d	6.SP.B.4												
3	The table below shows the number of zoo visitors each day during the last month. Which histogram correctly represents the data set?	Histogram a	6.SP.B.4												
4	Which box plot correctly represents the data in the table?	Box plot d	6.SP.B.4 7.SP.B.3												
5	The numbers below represent the scores on a math test of a small group of students. Which stem and leaf plot correctly represents the data set? 82, 83, 79, 93, 96, 94, 95, 99, 75, 88, 87	Stem and leaf plot b	6.SP.B.4												
6	Create a pie chart to represent the data.	<p>Pie chart should accurately represent the data for example:</p>  <table><thead><tr><th>Animal</th><th>Count</th></tr></thead><tbody><tr><td>Dog</td><td>176</td></tr><tr><td>Cat</td><td>103</td></tr><tr><td>Bird</td><td>44</td></tr><tr><td>Fish</td><td>15</td></tr><tr><td>Turtle</td><td>22</td></tr></tbody></table>	Animal	Count	Dog	176	Cat	103	Bird	44	Fish	15	Turtle	22	6.SP.B.4
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Question number	Question	Answers	Standard
7	<p>The table below shows the number of each dessert sold at a bakery in one hour.</p> <p>Create a bar graph to represent the data.</p>	<p>Bar graph should accurately represent the data for example:</p> 	6.SP.B.4
8	<p>The numbers below represent the heights of a high school basketball team.</p> <p>Create a histogram to represent the data.</p> <p>71, 74, 70, 75, 73, 68, 72, 73, 74, 76, 70, 70, 68, 71, 72, 69, 74, 69, 72, 75</p>	<p>Histogram should accurately represent the data for example:</p> 	6.SP.B.4
9	<p>Create a box plot to represent the data.</p>	<p>Box plot should accurately represent the data for example:</p> 	6.SP.B.4 7.SP.B.3
10	<p>The numbers below represent the scores that Mr. Johnson recorded from his students' recent math quiz.</p> <p>43, 55, 62, 48, 58, 51, 67, 49, 53, 64, 57, 52, 61, 46, 50, 59, 65, 54, 60, 47</p> <p>Create a stem and leaf plot to represent the data.</p>	<p>Stem and leaf plot should accurately represent the data.</p> <pre> 4 3 6 7 8 9 5 0 1 2 3 4 5 7 8 9 6 0 1 2 4 5 7 </pre> <p>Key 4 3 is a score of 43.</p>	6.SP.B.4

Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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