

Name _____

Date _____



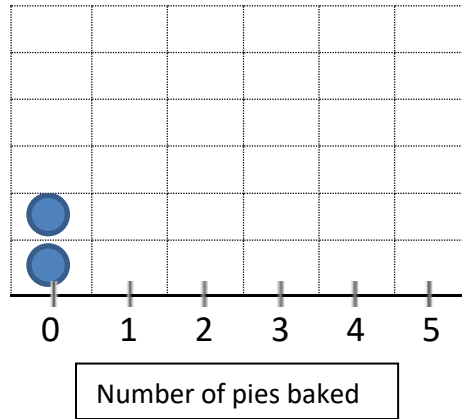
CREATING DOT PLOTS SHEET 3

1) This data shows the number of pies baked by a group of 20 students for the school bake sale.



Pies Baked	3	1	2	4	0	2	1	4	3	1
	5	2	3	1	2	1	4	1	2	0

a) Use the data to complete the dot plot to show these results.



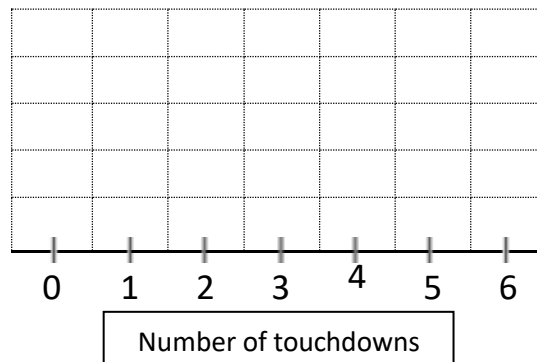
b) What is the median number of pies per student? _____

c) What is the mean number of pies per student? _____

2) This data shows the number of touchdowns scored by a football team in a season.

Touchdowns	4	2	5	1	3	2	0	6	3	2	5	3	2	4	3	1	2
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a) Use the information to draw a box plot showing this data.



b) What is the median number of touchdowns scored? _____

c) What is the mean number of touchdowns per game? _____

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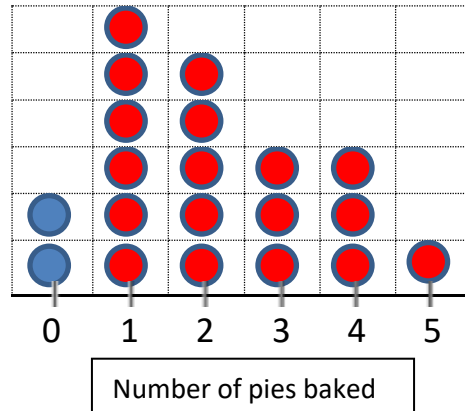
CREATING DOT PLOTS SHEET 3 ANSWERS

1) This data shows the number of pies baked by a group of 20 students for the school bake sale.



Pies Baked	3	1	2	4	0	2	1	4	3	1
	5	2	3	1	2	1	4	1	2	0

a) Use the data to complete the dot plot to show these results.



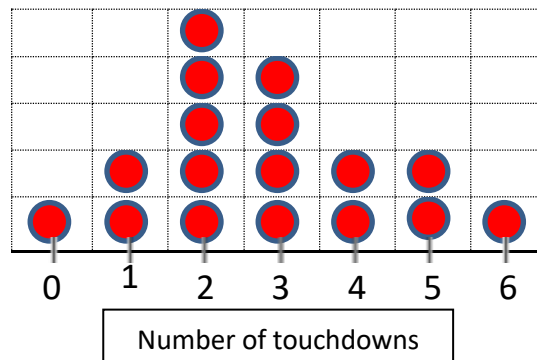
b) What is the median number of pies per student? 2 pies

c) What is the mean number of pies per student? $= (0 \times 2 + 1 \times 6 + 2 \times 5 + 3 \times 3 + 4 \times 3 + 5) \div 20$
 $= 42 \div 20 = 2.1$ pies

2) This data shows the number of touchdowns scored by a football team in a season.

Touchdowns	4	2	5	1	3	2	0	6	3	2	5	3	2	4	3	1	2
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a) Use the information to draw a box plot showing this data.



b) What is the median number of touchdowns scored? 3 touchdowns

c) What is the mean number of touchdowns per game? $= (0 + 1 \times 2 + 2 \times 5 + 3 \times 4 + 4 \times 2 + 5 \times 2 + 6) \div 17 = 48 \div 17 = 2.8$ touchdowns (to 1 decimal place)