

DATA & GRAPHING

interactive NOTEBOOK

4TH GRADE

This unit includes
13 different
division
activities

math



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Table of Contents with each activity listed for quick reference.

FIND THE RANGE
Find the maximum, minimum, and range for the set of numbers on each flap.

105, 109, 28, 12, 149, 130, 23, 94, 39, 51, 129, 141, 33, 75, 90	106, 24, 35, 100, 71, 51, 66, 19, 103, 53, 57, 50, 4, 58, 67
113, 38, 58, 51, 28, 84, 87, 24, 102, 82, 148, 123, 128, 93, 96, 60	6, 11, 145, 43, 42, 54, 86, 85, 105, 93, 139, 77, 107, 10, 119, 113

Scissors icons are placed at the corners of the worksheet. A logo for 'HOT copy teacher' is at the bottom.

A great tool for practicing new skills and assessing mastered skills.



MAKE A LINE PLOT

Use the information on the flap to make a line plot under the flap.

Jackson is making bracelets for his classmates. He measured his classmates' wrists and recorded the information in a chart. Use the chart data to make a line plot.

Wrist Measurements (inches)	
5	6
5 $\frac{1}{2}$	5 $\frac{1}{2}$
5 $\frac{1}{2}$	7
6	5 $\frac{1}{2}$
6 $\frac{1}{2}$	5
5 $\frac{1}{2}$	5 $\frac{1}{2}$
5 $\frac{1}{2}$	5 $\frac{1}{2}$
6	6
5 $\frac{1}{2}$	6 $\frac{1}{2}$
6	5 $\frac{1}{2}$
5 $\frac{1}{2}$	5 $\frac{1}{2}$

Remember to Include:

- a numbered line
- a title
- a unit label

Jessie tracked the number of miles she ran each day for two weeks. Use her data to make a line plot.

Remember to Include:

- a numbered line
- a title
- a unit label

Day	1	2	3	4	5	6	7
Total Miles	2 $\frac{3}{4}$	3 $\frac{1}{2}$	2	1 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{1}{4}$	1 $\frac{3}{4}$

Day	8	9	10	11	12	13	14
Total Miles	2 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	2	3	1 $\frac{3}{4}$	2 $\frac{1}{2}$

Super-simple cuts and no unnecessary coloring.

INTERPRET A LINE PLOT FLAPS

- Each student will need one page of flaps. Multiple templates are included to allow for differentiation.

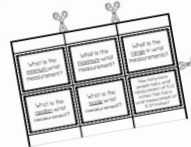
- Cut out the rectangular title and the line plot graph at the top of the page.



- Cut out the large rectangle with the six flaps inside.



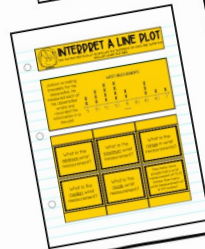
- Then, cut horizontally between the flaps to get six separate flaps.



- Apply glue to the underside of the thick blank strip on each flap.



- The flaps should be glued below the title and the line plot by the thick blank strip on the top or bottom of each flap so that the flaps open upward or downward.



MAKE A BAR GRAPH FLAPS

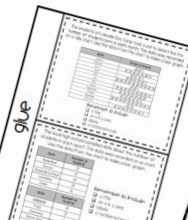
Each student will need one page of flaps.

Cut out the large rectangle with the 2 flaps.



Cut between the flaps to stop before the left.

Apply glue to the underside of the "h" title.



Detailed cutting and gluing directions for each activity page.

FIND THE RANGE

Find the maximum, minimum, and range for the set of numbers on each flap.

96, 21, 36,
26, 85,
69, 32,
20, 24, 65

24, 72, 27,
32, 66, 54,
85, 74, 52,
91

81, 20, 85,
75, 88,
90, 13, 7,
54, 38

11, 95, 98,
15, 17, 3, 74,
69, 24, 96

FIND THE RANGE

Find the maximum, minimum, and range for the set of numbers on each flap.

151, 146, 65, 8,
86, 100, 108,
112, 73, 166,
179, 107, 94,
164, 105, 123,
87, 183, 54, 194

20, 200, 101,
75, 21, 94, 147,
146, 25, 23, 13,
31, 83, 55, 102,
63, 80, 69,
145, 36

88, 82,
31, 152,
111, 107,
26, 17,
3, 6,
0

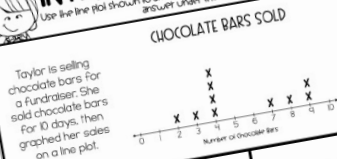
32, 69, 93,
165, 189, 131,
173, 22, 101,
126, 137, 46,
129, 75, 92,
100, 102, 92,
133, 67

Multiple versions of most activities allow for differentiation.

ANSWER KEY

INTERPRET A LINE PLOT

Use the line plot shown to answer the questions on each bar. Write the answer under the tabs.

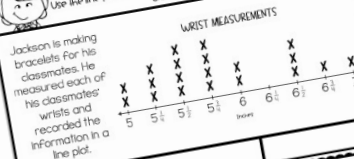


2 chocolate bars	9 chocolate bars	7 chocolate bars
4 chocolate bars	4 chocolate bars	2 more days



INTERPRET A LINE PLOT

Use the line plot shown to answer the questions on each bar. Write the answer under the tabs.

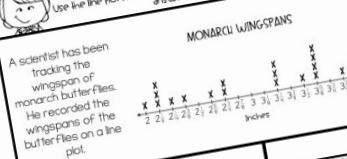


5 inches	7 inches	2 inches
5 3/4 inches	5 1/2 & 5 3/4 inches	3 more people



INTERPRET A LINE PLOT

Use the line plot shown to answer the questions on each bar. Write the answer under the tabs.



2 inches	4 inches	2 inches
3 1/4 inches	3 5/8 inches	2 more butterflies

ANSWER KEY

MEAN SORT

Sort the numbers on cards under the correct tab based on whether they have a mean of 24 or a median of 36.

MEAN IS 24

19, 21, 22, 24, 26, 31, 33

MEAN IS 24

19, 23, 31, 33

MEAN IS 24

19, 24, 29, 32, 36, 37, 39, 39, 41

MEAN IS 24

18 1/2, 20, 23 1/2, 24, 27, 27 1/2, 27 1/2, 30, 32 1/2, 35, 38 1/2
--



MEDIAN SORT

Sort the numbers on cards under the correct tab based on whether they have a median of 19 or a median of 36.

MEDIAN IS 19

6, 8, 9, 9, 12, 13, 14, 18, 20, 22, 26, 27, 31, 33, 36, 37
--

MEDIAN IS 19

16, 17, 18, 18, 19, 19, 21, 28, 33, 33, 30, 6, 15, 16, 22, 29, 30, 33

MEDIAN IS 36

10, 19, 23, 24, 27, 35, 37, 38, 38, 39, 42, 45
--

MEDIAN IS 36

13, 15, 16, 18, 19, 24, 28, 35, 37, 38, 40, 40, 43, 45, 52, 52
--

MEAN SORT

Sort the correct tab based on whether they have a mean of 27 or a median of 36.

MEAN IS 27

27 1/2

MEDIAN SORT

Sort the correct tab based on whether they have a median of 27 or a median of 36.

MEDIAN IS 27

27 1/2

Activity answer keys included for easy checking.