

DATA & GRAPHS

TEKS Task Cards

The image displays a set of educational materials for 3rd grade math, specifically focusing on Data & Graphs. A pink clipboard holds a review sheet titled "DATA & GRAPHS review" with a grid for student work. A yellow pencil rests on the sheet. To the right, a blue task card holder contains a task card titled "DATA & GRAPHS review" which covers the 3rd grade Data Analysis TEKS: 3.8A & 3.8D. The task card features a pictograph showing the number of workouts recorded by three students (Abel, Ella, and Rick) over two weeks. The pictograph uses stick figures to represent workouts, with a key indicating that each stick figure represents 4 workouts. The task card also includes a table with the following data:

Athlete	Number of Workouts
Abel	10
Ella	12
Rick	8

Below the table, the task card asks: "Abel, Ella and Jin recorded the number of workouts they did in 2 weeks. Their data is recorded in the table. Which pictograph represents this data?" The task card also includes a grid for student work and a key indicating that each stick figure represents 4 workouts.

3rd GRADE

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3 Mrs. Fink's students all have a green, pink

4 Bella, Mia and David recorded the

5 An Austin tour guide recorded the generations of people in his tour group. The results are

6 A B

7 Campers were surveyed about their favorite

8 A

8 The students at Fairview Elementary host a sports

9 A basketball team with 10 players won their last 10 basketball game. The number of points that each player scored was recorded in the table below.

Number of Points	2	3	4	5	6	7	8
Number of Players	4	1	1	1	2	0	1

13 14 15

NAME: _____

DATA & GRAPHS review

Show your work or justify your answers in the boxes. Some problems do not require you to show work. Record all your answers HERE. →

1 2 3

4 5 6

7 10

DATA & GRAPHS review

COVERING THE 3RD GRADE DATA ANALYSIS TEKS: 3.8A & 3.8B

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23 The number of rainy days each week was recorded in the graph below.

Week 1	☁ ☁
Week 2	☁ ☁ ☁
Week 3	☁ ☁ ☁ ☁
Week 4	☁ ☁ ☁

Each ☁ represents 2 rainy days

23 How many more rainy days were there in week 3 than week 2?

A 2 rainy days
B 5 rainy days
C 3 rainy days
D 4 rainy days

Fun & Engaging Practice

24 TEKS-aligned Task Cards

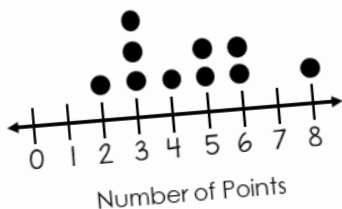
in color and blackline versions

17

DATA & GRAPHS

A basketball team with 10 players won their last basketball game. The number of points that each player scored was recorded in the dot plot.

Points scored by Players

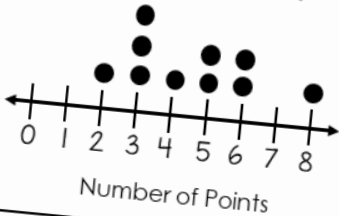


17

DATA & GRAPHS

A basketball team with 10 players won their last basketball game. The number of points that each player scored was recorded in the dot plot.

Points scored by Players



17

How many p...

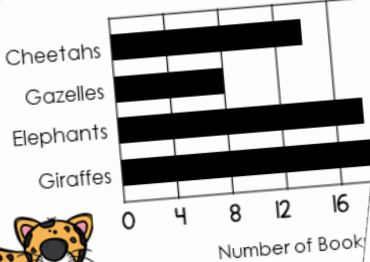


18

DATA & GRAPHS

The library has many books about animals in the Grasslands. The number of books about each type of animal are shown in the bar graph.

Grassland Animals

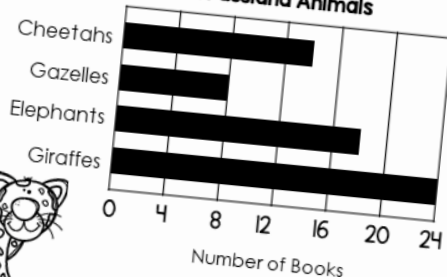


18

DATA & GRAPHS

The library has many books about animals in the Grasslands. The number of books about each type of animal are shown in the bar graph.

Grassland Animals



18

How many total b... about Giraffes, Ele...



Make Data Driven Decisions

Quickly form student reteach groups by standard while you are correcting student work.

DATA & GRAPHS review RETEACH GROUPS

SUMMARIZE DATA using frequency tables, dot plots, pictographs or bar graphs with scaled intervals TEKS 3.8A (Readiness Standard) #1-16 *Use the icons next to each problem in the key to determine student strengths and weaknesses with each graph type.

● DOT PLOT GROUP	PICTOGRAPH GROUP	BAR GRAPH GROUP
Lola Jack Mia	Izzy Lola	Luke Mia

SOLVE 1 & 2 STEP PROBLEMS using data from frequency tables, dot plots, pictographs or bar graphs with scaled intervals TEKS 3.8B (Supporting Standard) #17-24

● DOT PLOT GROUP	PICTOGRAPH GROUP	BAR GRAPH GROUP	### FREQ. TABLE GROUP
Jeremiah Rachel	Sam Izzy Lola	Miguel Eva Jack	

DATA & GRAPHS review NAME: Mia

1	D
2	C
3	B
4	B
5	A
6	C
7	B
8	C
9	D
10	B
11	A
12	C
13	B
14	D
15	B
16	A
17	B
18	B
19	D
20	C
21	A
22	C
23	B
24	D

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1

DATA & GRAPHS

Jacob and Addie put flowers in 10 vases. The table below shows the number of vases that hold different numbers of flowers. Which dot plot represents this table? (Hint: Each dot represents one vase)

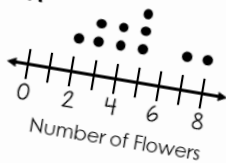


Number of Flowers in the Vase

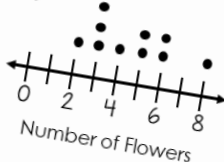
2	3	4	5	6	7	8
2	2	1	2	2	0	1

Number of Vases

A



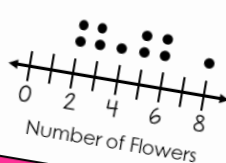
B



C



D



7

DATA & GRAPHS

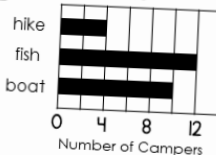
Campers were surveyed about their favorite activity at camp. Their responses are recorded in the table below. Which graph represents this data?

Activity	Number of Campers
hike	6
fish	10
boat	14

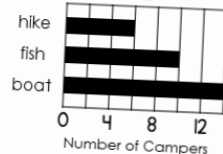


7

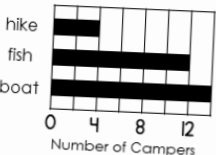
A



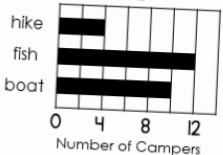
B



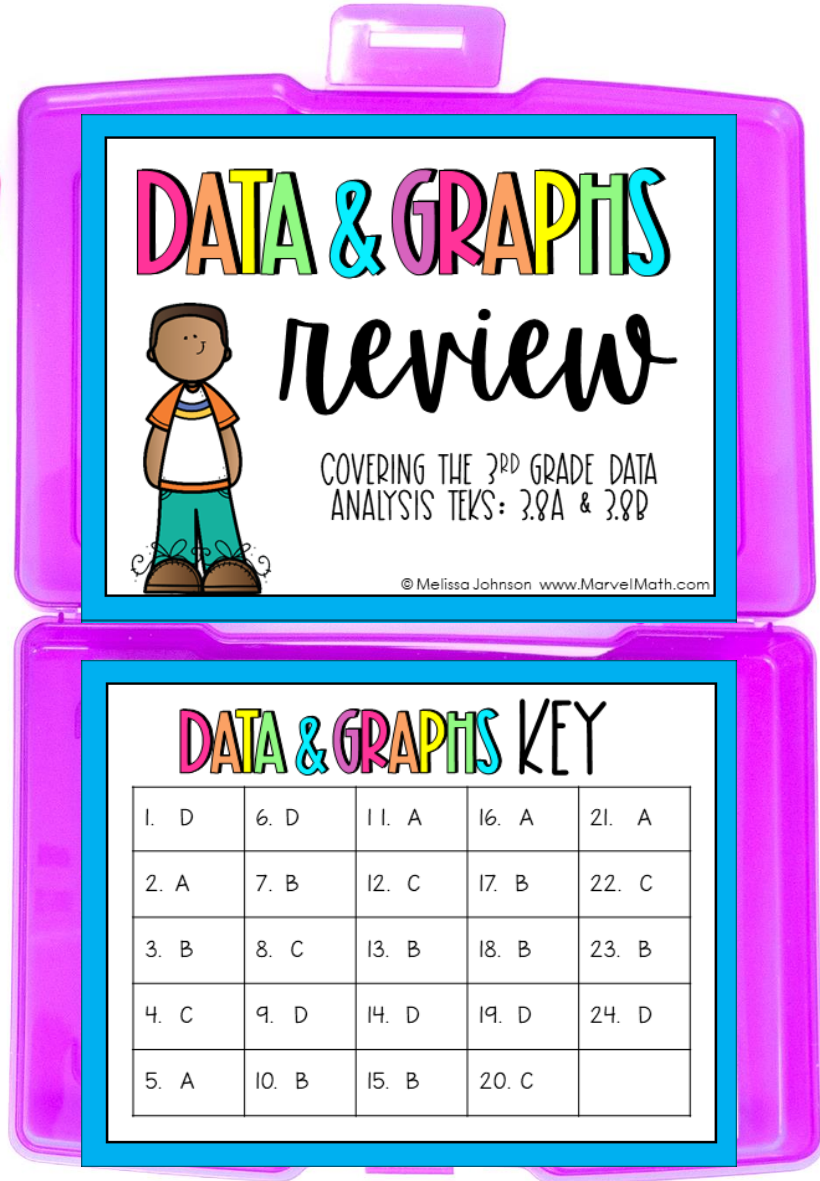
C



D



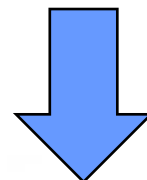
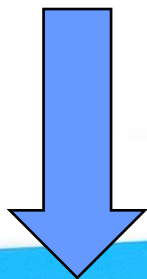
Easy Organization



Task Card
sized

**Cover
& Key
included**

2 Recording Sheet Styles



DATA & GRAPHS review NAME: Miguel

1	D
2	A
3	B
4	C
5	A
6	D
7	B
8	C
9	D
10	B
11	A
12	C
13	B
14	D
15	B
16	A
17	B
18	B
19	D
20	C
21	A
22	C
23	B
24	D

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NAME: _____

DATA & GRAPHS review

Show your work or justify your answers in the boxes. Some problems do not require you to show work. Record all your answers HERE. →

1	2
4	5
7	
10	12

12 DATA & GRAPHS

Abel, Ella and Jin recorded the number of workouts they did in 2 weeks. Their data is recorded in the table. Which pictograph represents this data?

Athlete	Number of Workouts
Abel	10
Ella	12
Rick	8

each  represents 4 workouts

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1
2
3
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STAAR-formatted Questions

With carefully constructed distractors

21

How many students completed 25 or more sit-ups?

- A 8 students
- B 5 students
- C 2 students
- D 10 students

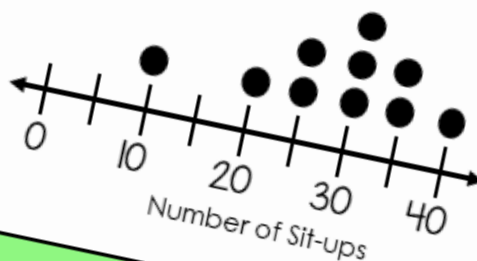


21

Students completed as many sit-ups as possible during P.E. The number of sit-ups completed by each student is recorded in the dot plot.

DATA & GRAPHS

Sit-ups Completed by Students



Covers All Data & Graphs Topics

- ✓ Frequency Tables
- ✓ Bar Graphs with Scaled Intervals
- ✓ Pictographs
- ✓ Dot Plots

What is the difference in the number of hours Jesse spent designing the Playground and designing the Tree House?

A 18 hours
B 13 hours

24 DATA & GRAPHS

This frequency chart shows the number of hours Jesse spent designing each project.



Project	Tally of Hours
Tree House	###
Fountain	### ###
Playground	### ###
Fence	

21 DATA & GRAPHS

How many students completed 25 or more sit-ups?

A 8 students
B 5 students
C 2 students



21 DATA & GRAPHS

Students completed as many sit-ups as possible during P.E. The number of sit-ups completed by each student is recorded in the dot plot.

Sit-ups Completed by Students




22 DATA & GRAPHS

How many more students chose pineapple than strawberries?

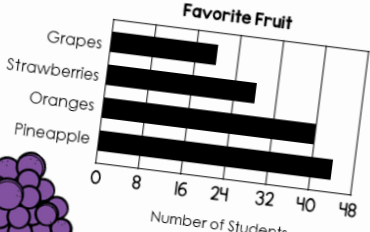
A 14 students
B 20 students
C 16 students
D 28 students




22 DATA & GRAPHS

Students were surveyed about their favorite fruit. The results were recorded in this bar graph.

Favorite Fruit




23 DATA & GRAPHS

How many more rainy days were there in week 3 than week 2?

A 2 rainy days
B 5 rainy days
C 3 rainy days
D 4 rainy days



23 DATA & GRAPHS

The number of rainy days each week was recorded in the graph below.

Week	Rainy Days
Week 1	2 rainy days
Week 2	2 rainy days
Week 3	5 rainy days
Week 4	4 rainy days

Each ☁ represents 2 rainy days



DATA & GRAPHS review



RETEACH GROUPS

SUMMARIZE DATA using frequency tables, dot plots, pictographs or bar graphs with scaled intervals TEKS 3.8A
 (Readiness Standard) #1-16 *Use the icons next to each problem in the key to determine student strengths and weaknesses with each graph type.

● DOT PLOT GROUP

Lola
 Jack
 Mia

PICTOGRAPH GROUP

Izzy
 Lola

BAR GRAPH GROUP

Luke
 Mia

SOLVE 1 & 2 STEP PROBLEMS using data from frequency tables, dot plots, pictographs or bar graphs with scaled intervals TEKS 3.8B (Supporting Standard) #17-24

● DOT PLOT GROUP

Jeremiah
 Rachel

PICTOGRAPH GROUP

Sam
 Izzy
 Lola

BAR GRAPH GROUP

Miguel
 Eva
 Jack

FREQ. TABLE GROUP

1	D
2	A
3	B
4	C
5	A
6	D
7	B
8	C
9	D
10	B
11	A
12	C
13	B
14	D
15	B
16	A
17	B
18	B
19	D
20	C
21	A
22	C
23	B
24	D

1	D
2	C
3	B
4	A
5	C
6	B
7	C
8	D
9	B
10	A
11	C
12	B
13	A
14	C

NAME: _____
 GRADES 11-12

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About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

