

DATA & GRAPHS

STAAR Review Tests

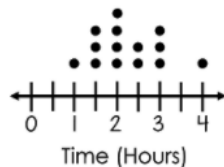
May Lin practiced the piano every day for 15 days. The table shows how many days she practiced for each length of time.



Time (hours)	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Number of Days							

Which dot plot represents the data?

A Piano Practice



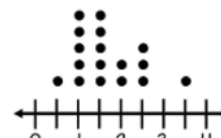
C Piano Practice



B Piano Practice



D Piano Practice



New STAAR Item Types

3rd GRADE

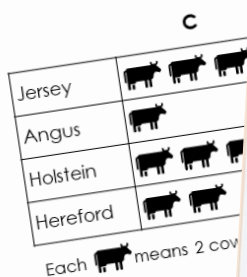
Each Assessment is included as a **Printable PDF** and in a **Self-Grading Google Form**

DATA & GRAPHS ASSESSMENT #2

4. A farmer made this chart to show the number of each type of cow on his farm.

Type of Cow	Number of Cows
Jersey	5
Angus	1
Holstein	4
Hereford	2

Which pictograph represents this data?

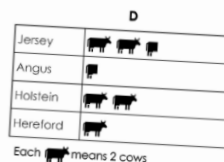
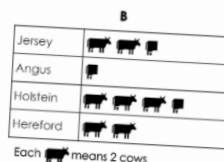
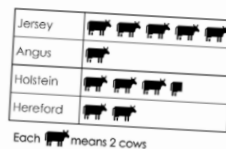
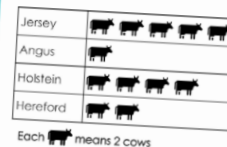


A farmer made this chart to show the number of each type of cow on his farm.

Type of Cow	Number of Cows
Jersey	5
Angus	1
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Hereford	2



Which pictograph represents this data?

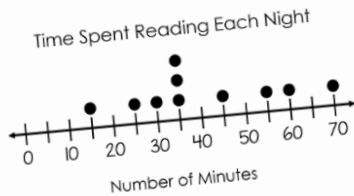


- ☐ A
☐ B
☐ C
☐ D

New STAAR Question types

Tests include drop-down, multi-select and free response questions in addition to multiple choice.

Lydia made this dot plot to show how many minutes she read each night for 10 nights.



Use the information in the dot plot to select all the true statements.

- ☐ Lydia read at least 25 minutes every night.
- ☒ On 1 night Lydia read more than an hour.
- ☐ On 2 nights Lydia read for exactly 30 minutes.
- ☒ Lydia read for less than 20 minutes at least once.
- ☒ Lydia read for more than 30 minutes on 5 or more nights.



#8 [TEKS 3.8B - Pictographs]

This graph shows the number of dogs adopted from a 4 different shelters last week.

Shelter	Number of Dogs
Adopt-A-Pet	4
Happy Pups	3
Brighter Days	3



#8 [TEKS 3.8B - Pictographs]

This graph shows the number of dogs adopted from a 4 different shelters last week.

Shelter	Number of Dogs
Adopt-A-Pet	    
Happy Pups	   
Brighter Days	   
Dog Daze	 



Each  means 2 dogs adopted

Use the information in the graph to help complete these sentences.

Together, Happy Pups and found homes for 15 dogs. This was more dogs than were adopted from Adopt-A-Pet.

Choose the number set that belongs in the blue box.

5 points

Choose

Dog Daze

Brighter Days

Choose

belongs in the yellow box.

5 points

#3 [TEKS 3.8A - Pictographs]

10 points

An animal clinic logged the number of animals seen each day for 5 days. The frequency table shows this information.



Day	Number of Animals
1	24
2	18
3	20
4	12
5	14



Which pictograph represents this data?

A

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 2 animals seen

B

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 2 animals seen

C

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 4 animals seen

D

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

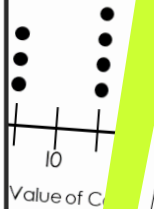
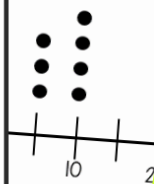
Each means 4 animals seen

- ☐ A
☐ B
☐ C

2. This picture shows all the change in Oscar's pocket.



Which dot plot represents the data?



3. An animal clinic logged the number of animals seen each day. The frequency table shows this information.

Day	Number of Animals
1	24
2	18
3	20
4	12
5	14

Which pictograph represents this data?

A

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 2 animals seen

B

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 2 animals seen

C

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 4 animals seen

D

Day 1					
Day 2					
Day 3					
Day 4					
Day 5					

Each means 4 animals seen

2 Assessments to Measure Student Growth

Each Assessment has 10 questions

DATA & GRAPHS Test

PLAN YOUR RETEACH GROUPS

TEKS 3.8A #1-6
Summarize data using frequency tables, dot plots, pictographs and bar graphs with scaled intervals (Readiness Standard)

3.8A: Dot Plots	3.8A: Pictographs	3.8A: Bar Graphs

#1 KEY

1	B
2	A
3	D
4	B
5	D
6	C
7	B, D, E
8	Brighter Days: 6
9	B
10	45

DATA & GRAPHS Test

PLAN YOUR RETEACH GROUPS

TEKS 3.8A #1-6
Summarize data using frequency tables, dot plots, pictographs and bar graphs with scaled intervals (Readiness Standard)

3.8A: Dot Plots	3.8A: Pictographs	3.8A: Bar Graphs

#2 KEY

1	D
2	C
3	B
4	D
5	A
6	C
7	A, C, E
8	The Pet

DATA & GRAPHS ASSESSMENT #1

Name: _____

Once you have completed your entire test, record your answers here.

1. May Lin practiced the piano every day for 15 days. The table shows how many days she practiced for each length of time.

Time (hours)	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Number of Days							

Which dot plot represents the data?

A Piano Practice

C Piano Practice

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

DATA & GRAPHS ASSESSMENT #2

Name: _____

Once you have completed your entire test, record your answers here.

1. Javier babysat every day for 15 days. The table shows how many days he babysat for each length of time.

Time (hours)	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Number of Days							

Which dot plot represents the data?

A Babysitting Hours

C Babysitting Hours

B Babysitting Hours

D Babysitting Hours

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Includes a Data Tracker for easy record keeping and data analysis



DATA & GRAPHS Test



PLAN YOUR RETEACH GROUPS



#1 KEY

1	B
2	A
3	D
4	B
5	D
6	C
7	B, D, E
8	Brighter Days, 6
9	B
10	45

TEKS 3.8A #1-6
Summarize data using frequency tables, dot plots, pictographs and bar graphs with scaled intervals (Readiness Standard)

3.8A: Dot Plots	3.8A: Pictographs	3.8A: Bar Graphs
Alex Jayla		Evelyn Caleb Sam

TEKS 3.8B #7-10
Solve 1 & 2 Step Problems using data from frequency tables, dot plots, pictographs or bar graphs with scaled intervals (Supporting Standard)

3.8B: Dot Plots	3.8B: Pictographs	3.8B: Bar Graphs	3.8B: Frequency Tables



TEST #1

Once you have completed your entire test, record your answers here.

1.	B
2.	A
3.	D
4.	B
5.	C
6.	A
7.	B, D, E
8.	Brighter Days, 6
9.	A
10.	45

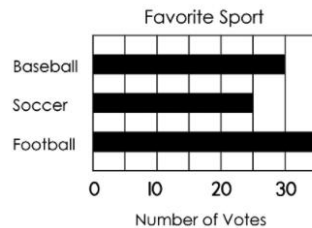


Google Forms Version is **AUTO-GRADING** to Save You Time

#9 [TEKS 3.8B: Bar Graphs]

10 points

Roy surveyed third grade students about their favorite sport.
The results were recorded in this bar graph.



How many more students voted for football than soccer?

- ☐ 5
- ☐ 10
- ☐ 15
- ☐ 20

Features & Benefits

of the Google Forms Version
of this Assessment



Automatic Data
Collection and Analysis



Add & Remove Questions
to Differentiate



Applicable Standards shown
with each question



Self-Grading Student Feedback



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.



MARVEL Math