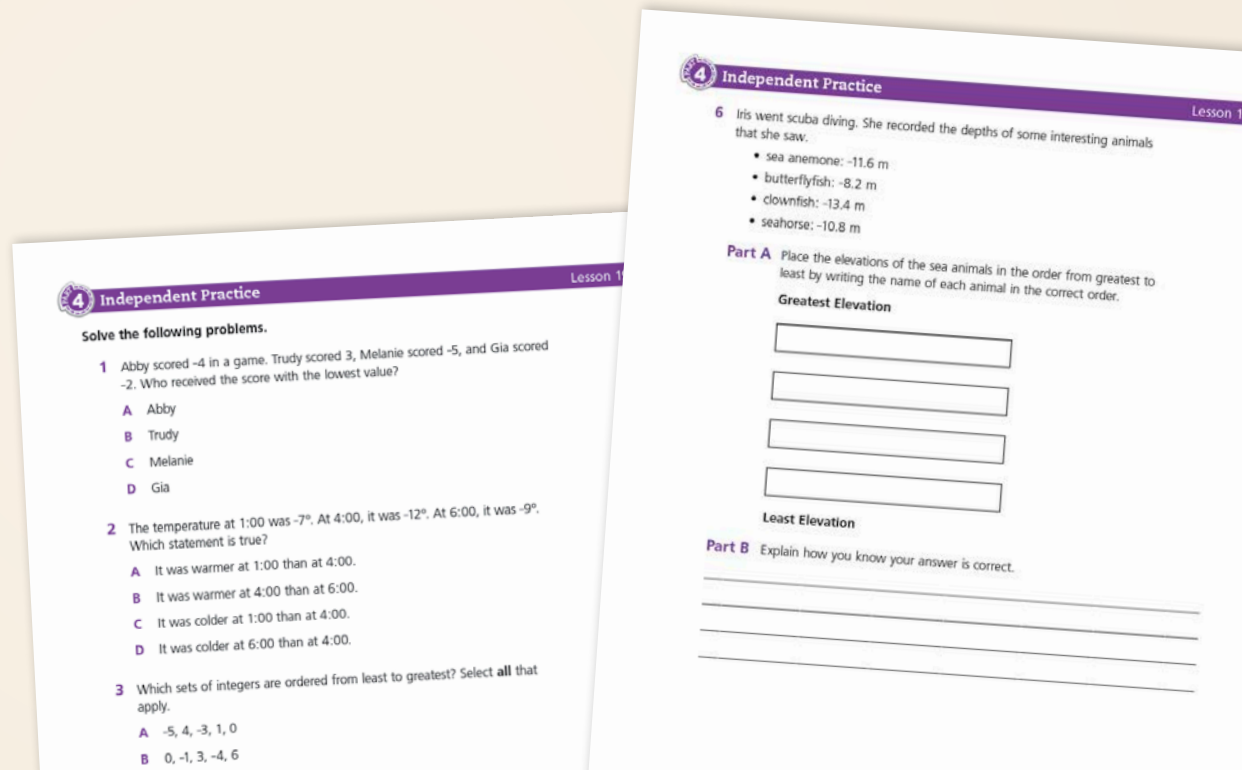


Gradual Release Model

Part #4: Independent Practice

Students are ready to answer questions on their own without any help or hints. They will encounter a mix of item types, including those on the PSSA exam:

- Multiple choice
- Open ended



Reviews

Each unit concludes with a review to test all skills covered in the unit. It includes a mix of item types in the same way as the Independent Practice section.

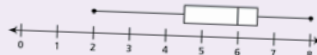
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UNIT 6 REVIEW
Statistics and Probability

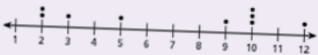
Solve the following problems.

- The number of hours each volunteer at a community center worked one day is listed here: 6, 4, 5, 2, 6, 4, 2, 3, 8, 3. Which of the following statements are true of the data? Select all that apply.
 - The interquartile range is 3.
 - The mean is 5.
 - The range is 3.
 - The mode is 6.
 - The median is 4.
- Look at the data set below.
68, 88, 44, 68, 50, 68, 37, 50
Are the range and interquartile range for the data set the same? Explain your answer.

- Students in a math study group scored 100, 98, 75, 88, and 91 on the last exam. What are the mean and median scores for the group?

- Look at the box plot below.


What are the five key data points of the data in this box plot?

- The mean of the data below is 7.


Will the mean absolute deviation of the data be a small number or a large number? Explain how you know.

- The number of sales Luis made each month last year are listed below.

| | | | | | |
|----|----|----|----|----|----|
| 5 | 9 | 15 | 11 | 9 | 13 |
| 16 | 23 | 35 | 22 | 15 | 12 |


Part A What is the median of the data?
Answer _____


Part B Draw a box plot to show the data. Be sure to give the plot a title and label each of the key points.


- The age of each singer in a chorus is listed below.


| | | | | | |
|----|----|----|----|----|----|
| 19 | 16 | 17 | 15 | 19 | 15 |
| 15 | 19 | 19 | 20 | 17 | 20 |

Part A Which dot plot shows the data?

A 

B 

C 

D 

Part B Explain how the mode of the data set is shown in the dot plot.

Part C What conclusion can you draw about this chorus based on the data set? Explain your answer.

