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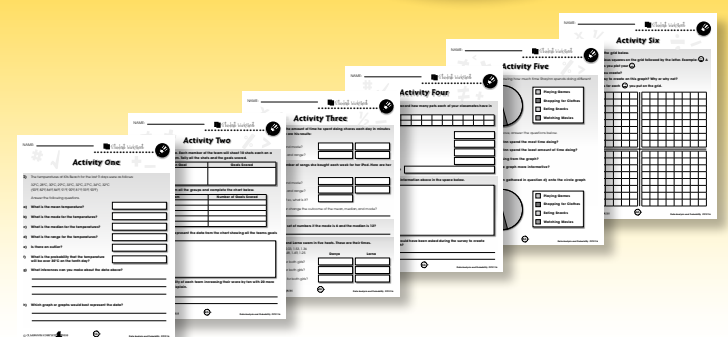
## EASY MARKING™ ANSWER KEY ..... 27

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## Task Sheet 2

- 2) Roman and Sofia grew grapes on 325 acres. Boris and Elvira also grew grapes, but only had 205 acres. Catarina and Marcos grew the fewest number of grapes on 85 acres of land.



- a) Create a pictograph with a title, a key, and include all the information above in your graph.

Key

- b) Write two observations about your graph once it is complete.

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- c) Write two questions that can be answered from the data in the graph.

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## Task Sheet 6

- 6) Create four sets of numbers.

The first set of numbers will have a mode of 12.

The second set of numbers will have a median of 36.

The third set of numbers will have a mean of 17.

The fourth set of numbers will have a range of 24.



a)

b)

c)

d)



## Reflection

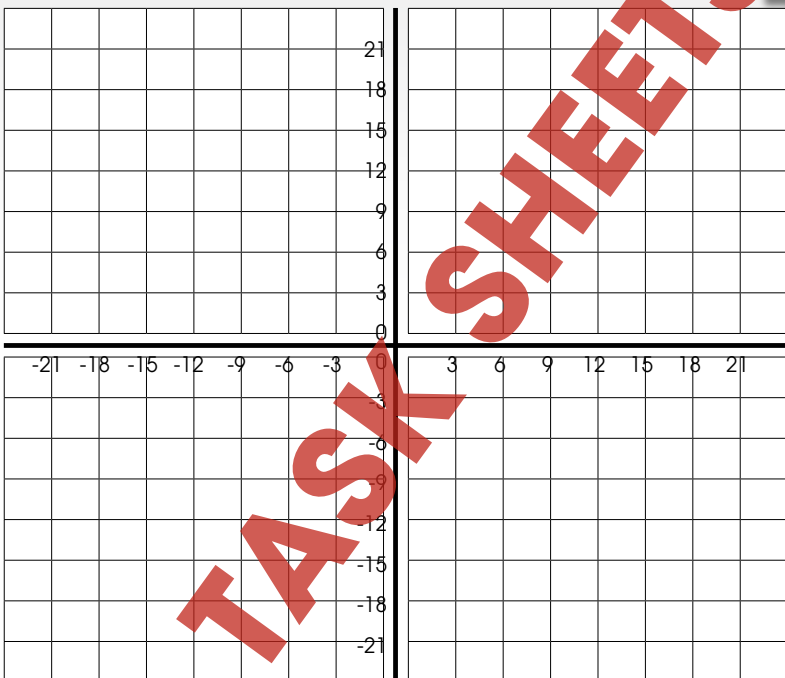
Explain the strategies you used to determine each set of numbers.



## Task Sheet 10

- 10) Graph the following coordinates on the grid. Show each coordinate with a star.

- a) 0, -15      b) 6, 12  
c) -9, 9      d) 21, 21  
e) -3, 15      f) -18, -12



## Reflection

What patterns do you see in the coordinates? Explain.

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## Drill Sheet 1

Choose the best answer for each question.

- a) Presents pieces of data in a format for comparison.

- i) Bar Graph
- ii) Circle Graph
- iii) Pictograph
- iv) Line Graph
- v) Double Bar Graph
- vi) Histogram
- vii) Scatter Plot

- b) Shows parts of a whole in percentages.

- i) Circle Graph
- ii) Double Bar Graph
- iii) Pictograph
- iv) Scatter Plot
- v) Histogram
- vi) Bar Graph
- vii) Line Graph

- c) Data in varying intervals are compared.

- i) Scatter Plot
- ii) Bar Graph
- iii) Histogram
- iv) Circle Graph
- v) Pictograph
- vi) Line Graph
- vii) Double Bar Graph

- d) Shows information over a period of time.

- i) Bar Graph
- ii) Circle Graph
- iii) Line Graph
- iv) Pictograph
- v) Histogram
- vi) Double Bar Graph
- vii) Scatter Plot

- e) Comparing data in numerical groupings.

- i) Circle Graph
- ii) Histogram
- iii) Line Graph
- iv) Bar Graph
- v) Double Bar Graph
- vi) Scatter Plot
- vii) Pictograph

- f) Uses symbols to represent and compare information.

- i) Bar Graph
- ii) Scatter Plot
- iii) Double Bar Graph
- iv) Histogram
- v) Pictograph
- vi) Circle Graph
- vii) Line Graph



## Drill Sheet 2

An outlier is a number that is significantly different from the rest of the grouping of numbers.

The following goals were scored at a basketball game.

The goals were scored at 1:56, 2:18, 2:35, 3:19, 4:12, 4:48, 1:56, 3:22, and 12:23.

- a) What is the mode?
- b) What is the median?
- c) What is the range?
- d) What is the mean?
- e) Which time is the outlier?
- f) Calculate the mean, median, range, and mode without the outlier.
  - Mean
  - Median
  - Mode
  - Range

- g) Explain how excluding the outlier changes the data. Is it a significant change. Why or why not?
- h) How can you explain the outlier?



## Review A

Palmer has a bag of marbles. He has 20 marbles in his bag. He has 12 red marbles, 6 orange marbles, and 2 yellow marbles.

Show the probability of choosing each marble in fractions and percentages.

- |   | Fraction             | Percent              |
|---|----------------------|----------------------|
| a) Choosing a red marble.               | <input type="text"/> | <input type="text"/> |
| b) Choosing an orange marble.           | <input type="text"/> | <input type="text"/> |
| c) Choosing a yellow marble.            | <input type="text"/> | <input type="text"/> |
| d) Choosing an orange or yellow marble. | <input type="text"/> | <input type="text"/> |
- e) What other questions can you ask and show as a fraction or percent for the marbles in Palmer's bag?

**Reflection** Express the mean, median, mode, and range for the marbles in Palmer's bag. Are these findings significant? Explain.



## Review B

Use the circle graph to answer the questions below.



- a) What does the information on the graph provide?
- b) What information is missing on the graph?
- c) Is the information provided on the graph correct? Explain.
- d) Recreate the graph on a separate piece of paper to make it more informative.

## Line Graph

Wanda and Mildred love cartoons. Plot this information on a line graph.



- 2001 – Scooby Doo
- 2002 – Teenage Mutant Ninja Turtles
- 2003 – Power Puff Girls
- 2004 – The Transformers
- 2005 – Sponge Bob Square Pants
- 2006 – Pokémon
- 2007 – The Simpsons

Survey the class for their favorite cartoons over seven years. Create a Multiple-line graph to compare the data.



NAME: \_\_\_\_\_



# Task Sheet 3

3) Central tendency is the measure of the middle number in a group of numbers. The median is the middle value of a list or group of numbers, in numerical order. The range is the difference between the highest and the lowest numbers.



a) Jarod's hockey team scored the following number of goals in their last 7 playoff games.

4,6,5,3,2,2,1

- i) What is the median for the set of numbers above?
- ii) What does the median tell you about the goals scored?  
\_\_\_\_\_  
\_\_\_\_\_
- iii) What is the range for the set of numbers above?
- iv) What does the range tell you about the goals scored?  
\_\_\_\_\_  
\_\_\_\_\_

3.

4.

6.

7.

Answers will vary.

Answers will vary.

1, 1, 4, 1, 2, 1, 2, 2, 3, 1

a) i) 3

ii) Answers may vary.

iii) 5

iv) Answers may vary.

10

5.

Answers will vary.

a) 13

b) 6

c) 12.67

d) 20

b) Answers may vary.

c) Answers may vary.

e) Answers may vary.

9

11

12

13



# EASY MARKING ANSWER KEY

b) Give an example of when the range would be the most accurate measurement for finding the central tendency in a group of numbers?  
\_\_\_\_\_  
\_\_\_\_\_

c) Give an example for when the median would be the most accurate measurement for finding the central tendency in a group of numbers?  
\_\_\_\_\_  
\_\_\_\_\_