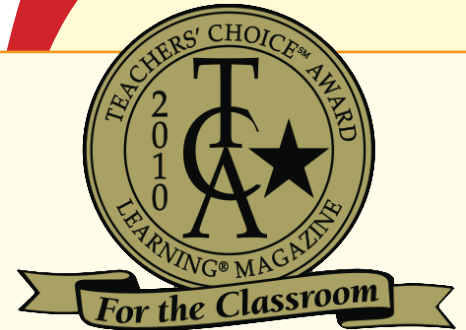


SmartClings: GRAPHS

How to Use SmartClings: Graphs Student ePacks and Classroom Kits

DYNA NOTES™ SmartClings: Graphs

- ✓ Student ePacks for independent student use
- ✓ Instructional Kits for whole classroom use
- ✓ Spanish versions available
- ✓ Select activities for line graphs, bar graphs, circle graphs, and pictographs



Independent Student Use of Student ePacks

- ✓ Designed for individual student use at a computer (PC or Mac compatible)
- ✓ Student selects an activity from the CD and follows the instructions to create a graph by applying the clings to the graph card to represent the data set
- ✓ Student uses the CD to check the graph for accuracy
- ✓ Student uses the CD to display extension questions that require graph interpretation (original data is hidden)
- ✓ Student uses the CD to check answers (self-checking)

Motivate students with hands-on, interactive learning!

Building connections that stick!



Whole Classroom Use of Instructional Kits

- ✓ Each student or cooperative group receives a graph card and a set of clings.
- ✓ The teacher provides students with an activity from the activity book or displays an activity using the CD.
- ✓ Students create graphs using the clings and answer the extension questions.
- ✓ Check answers using teacher's answer key or CD's step-by-step answer key.
- ✓ Students return clings to storage card and teacher stores all items in box.

Create more graphs in less time by eliminating shading, erasing, and other "art" activities, allowing students to focus on how to represent the data set!

- ✓ Winner of *Learning*® Magazine 2010 Teachers' ChoiceSM Award
- ✓ Choose activities based on objectives and skill levels
- ✓ Effective for first-time graphers or any student who struggles with graph construction or interpretation
- ✓ Use activities and clings year after year



SmartClings: GRAPHS CD

1

Select an activity from the menu.

Bar Graphs

- Features
- Activity 1
- Activity 2
- Activity 3
- Activity 4
- Activity 5
- Activity 6
- Activity 7
- Activity 8

Circle Graphs

- Features
- Activity 1
- Activity 2

2

View the activity's instructions, data, and graph framework.

Beaker	Temperature (°C)
A	20
B	15
C	25
D	5
E	10

Bar Graph - Activity 2

SmartCling Graph Instructions

Chris used a thermometer to measure the temperature of the liquids contained in several beakers. Attach the SmartClings to the card to create a vertical **bar graph** using the data shown in his notebook.

1. Select a graph title.
2. Select a label for the horizontal axis.
3. Select a label to describe each bar.
4. Select a label for the vertical axis.
5. Select a scale for the vertical axis.
6. Graph the data using bars of the correct height.

3. How many beakers have temperatures greater than 14°C?

A 1
B 2
C 3

4. What is the difference in temperature between Beaker A and Beaker D?

A 5°C
B 10°C
C 15°C

See all Questions See all Answers

1 2 3 4

6

Show all of the answers at once or display one question and answer at a time.

Bar Graph - Activity 2

have temperatures less than 10°C? Beakers A and C, Beakers B, D, and E, Beakers D and E.

3. How many beakers have temperatures greater than 14°C?

A 1
B 2
C 3

4. What is the difference in temperature between Beaker A and Beaker D?

A 5°C
B 10°C
C 15°C

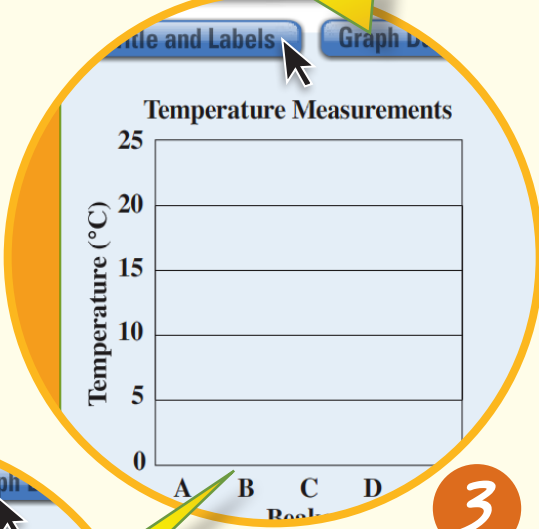
See all Questions See all Answers

1 2 3 4

5

Show all of the extension questions. Allow the students to answer the questions using their completed graphs.

3



Display the graphs's title and labels only.

4

Display the completed graph.

