

LINE GRAPHS

Important Things to Remember

Important things to remember when creating a line graph:

★ You should choose a line graph when you are graphing

★ Always include a _____ . Your title should explain what your graph represents.

★ Label both the _____ and _____ with label names and the specific data titles.

★ With line graphs, your _____ should go along the _____ . (minutes, seconds, days, years, etc.)

★ Use proper _____ and be very _____ .

★ Use appropriate _____ along the y-axis based on your data. For example:

- ◆ If your data ranges from 1-12, you will want to use increments of 1.
- ◆ If your data ranges from 1-36, you will want to use increments of 2.
- ◆ If your data range is in the thousands, you may want to use increments of 100 or even 500.

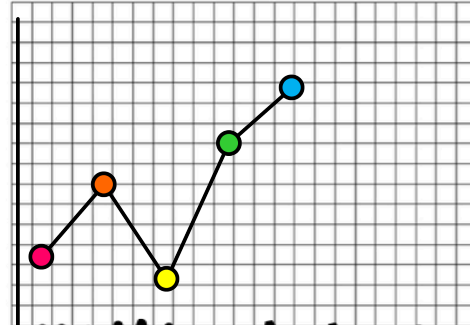
★ If creating a multiple line graph, be sure to use different

LINE GRAPH INDEPENDENT PRACTICE 3

Data Table: Measuring Changing Mass of an Object

Student	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
Big Bird	3.2g	4.6g	5.0g	5.7g	6.1g
Barney	3.0g	3.4g	4.0g	4.6g	5.3g
Mickey Mouse	3.5g	4.0g	4.2g	5.1g	6.2g
Stewie	4.0g	4.1g	4.8g	5.5g	5.9g
Justin Bieber	3.8g	4.2g	5.2g	5.6g	6.0g

Key:



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Notes & Practice Pages

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★ If creating a multiple line graph, be sure to use different ----- and include a ----- .

LINE GRAPH GUIDED PRACTICE 1

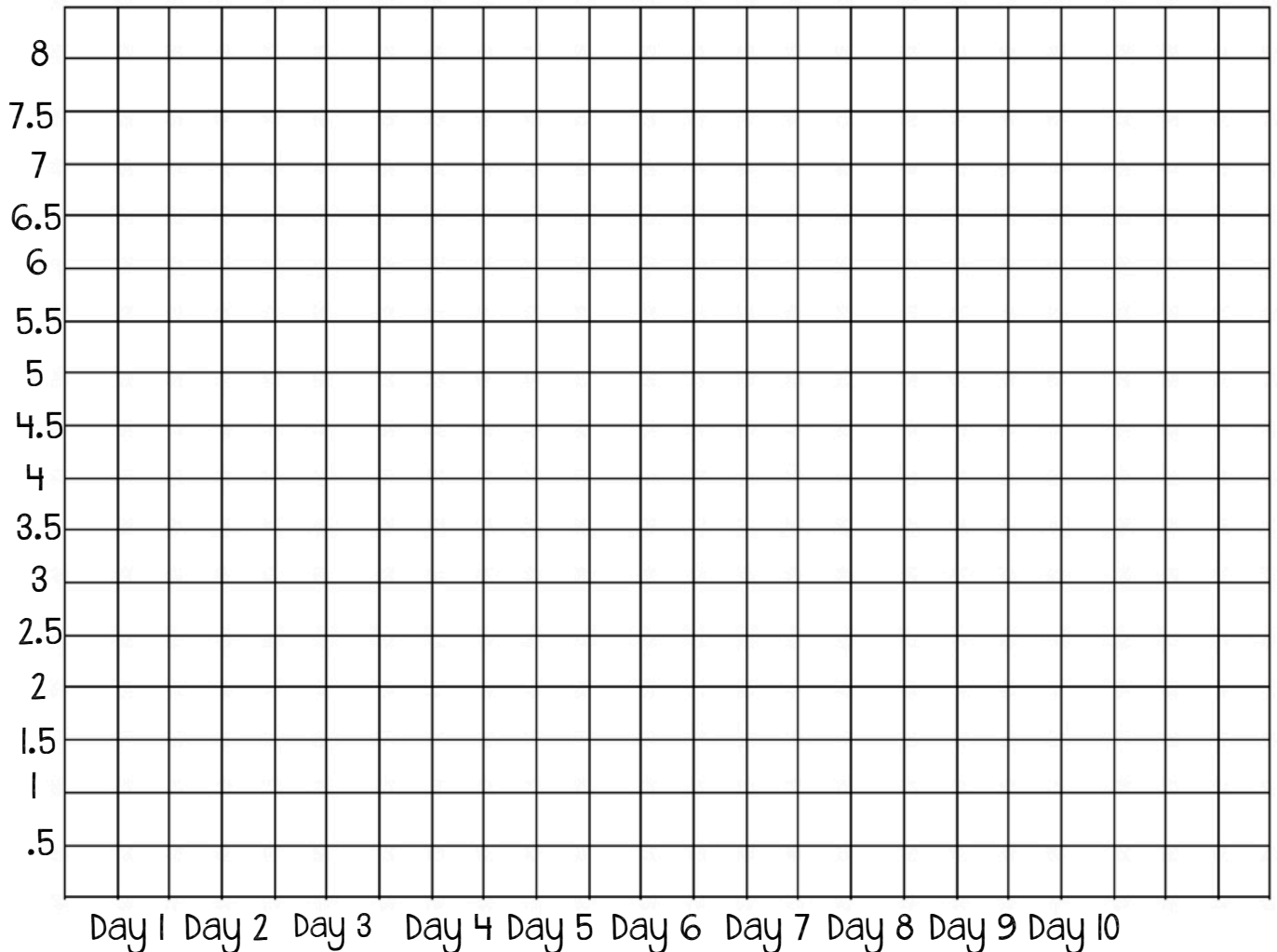
Data Table:
Plant Growth in 10 Days



Day	Growth (cm)
1	0 cm
2	3 cm
4	4 cm
7	6.5 cm
10	8 cm

TITLE: _____

Label: _____



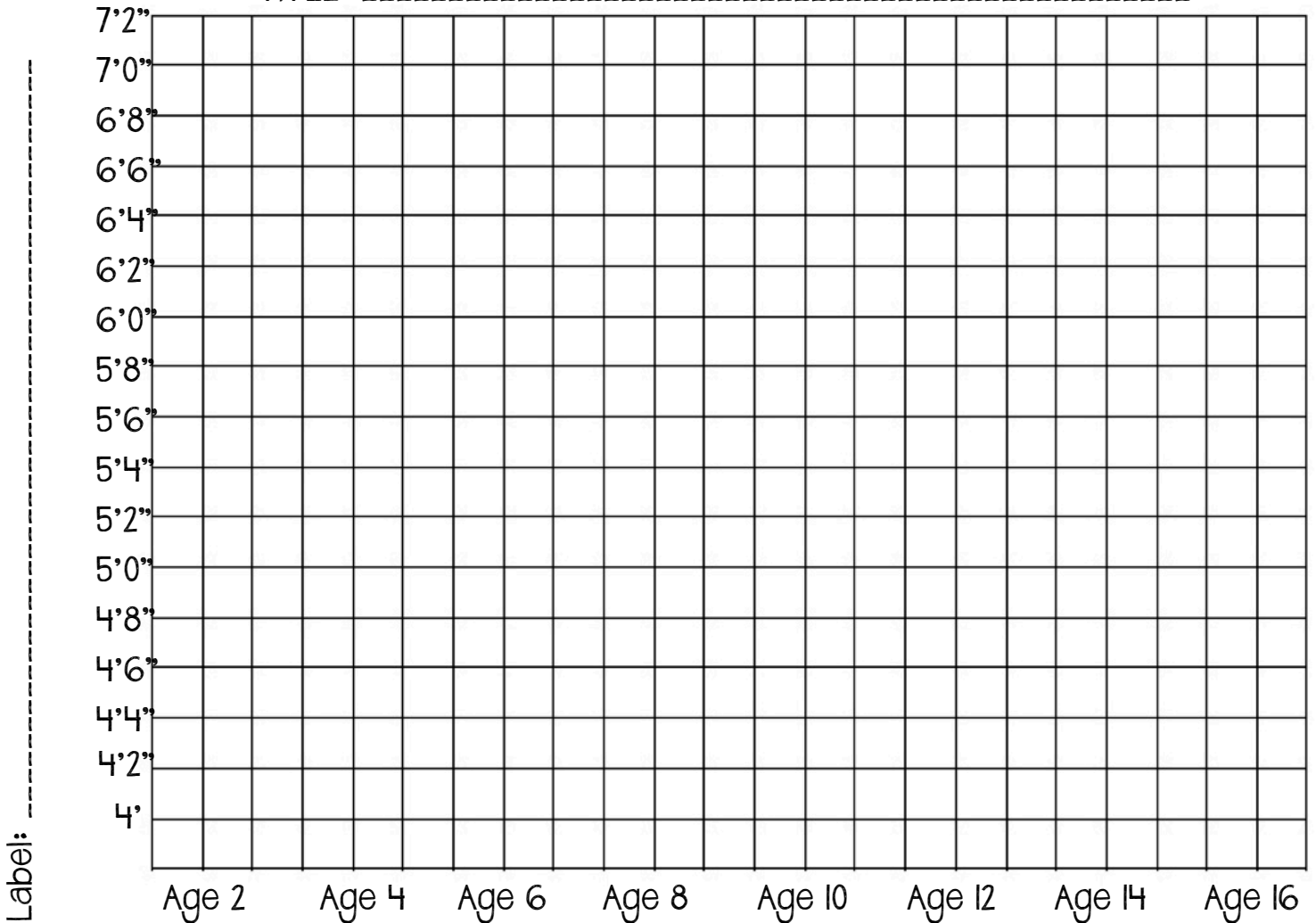
Label: _____

LINE GRAPH GUIDED PRACTICE 2

Data Table:
Changes in Height with age

Age	Height (feet/inches)
5	4'4"
8	4'9"
11	5'3"
13	5'7"
15	6'0"

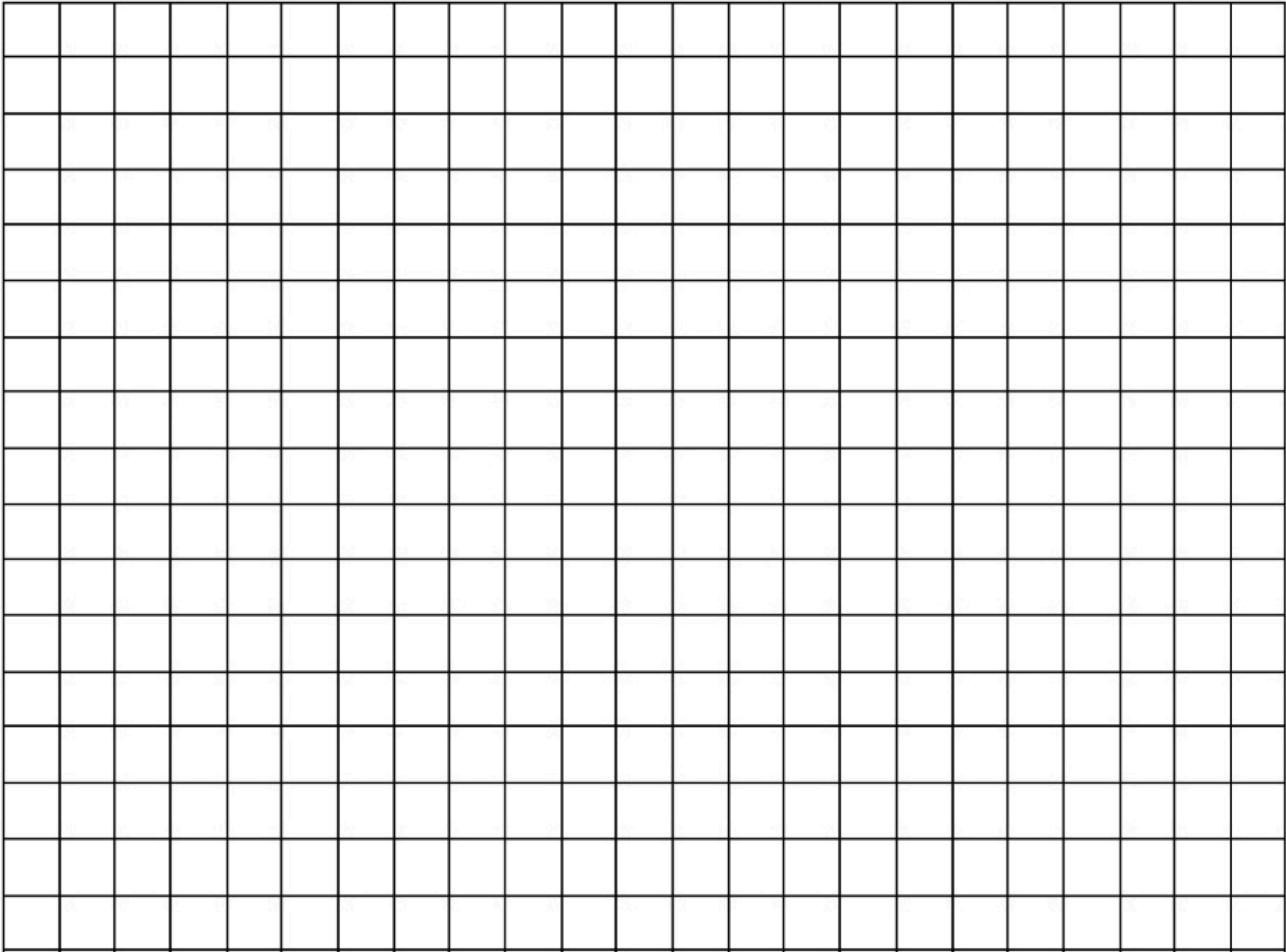
TITLE: _____



LINE GRAPH INDEPENDENT PRACTICE 1

Data Table:

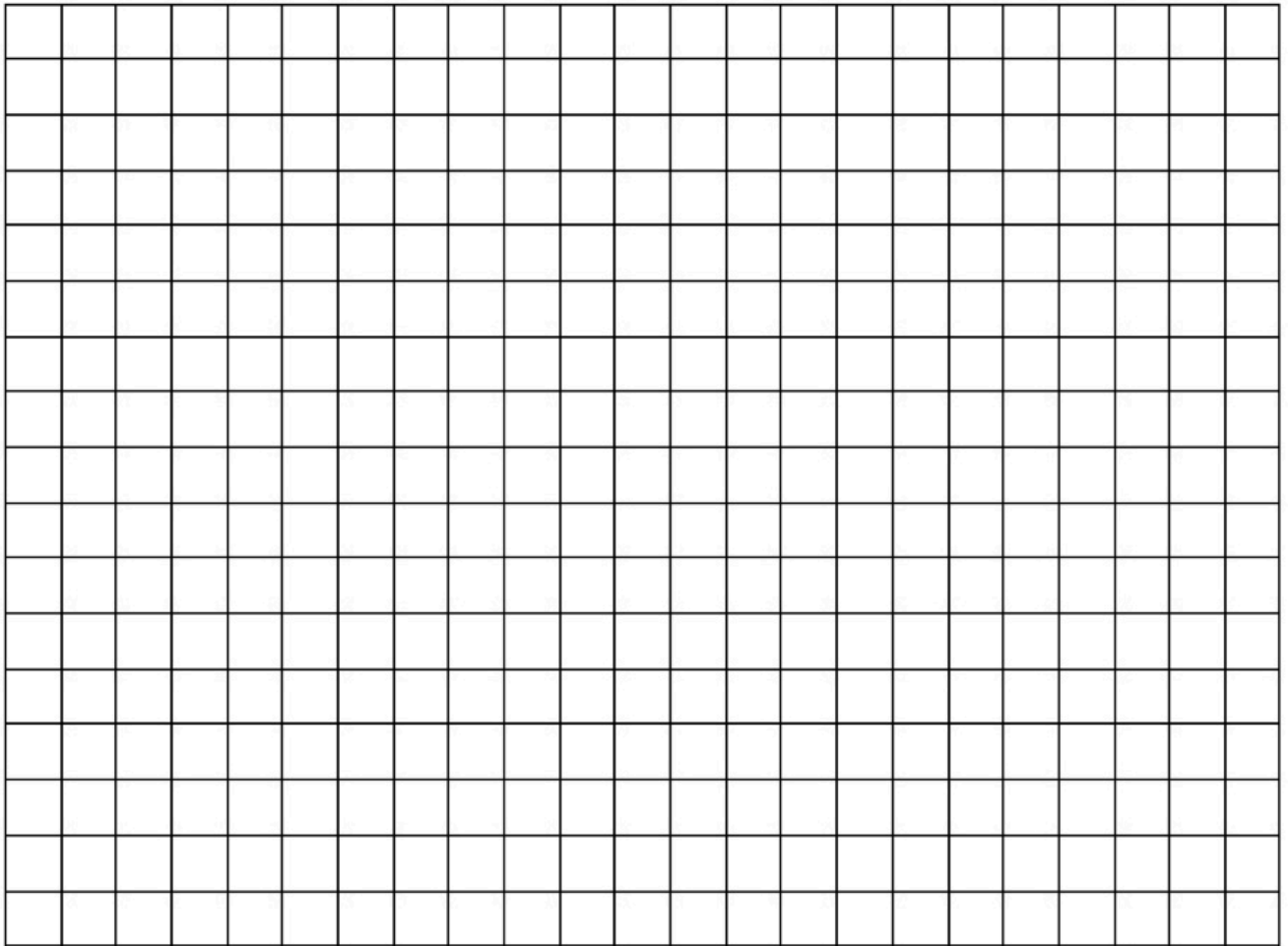
Dog Age	Dog Weight
1 Year	40 lbs
3 Years	52 lbs
5 Years	53 lbs
7 Years	60 lbs
10 Years	67 lbs



LINE GRAPH INDEPENDENT PRACTICE 2

Data Table

Month	Average Temperature
January	38 degrees
February	27 degrees
March	35 degrees
April	53 degrees
May	61 degrees

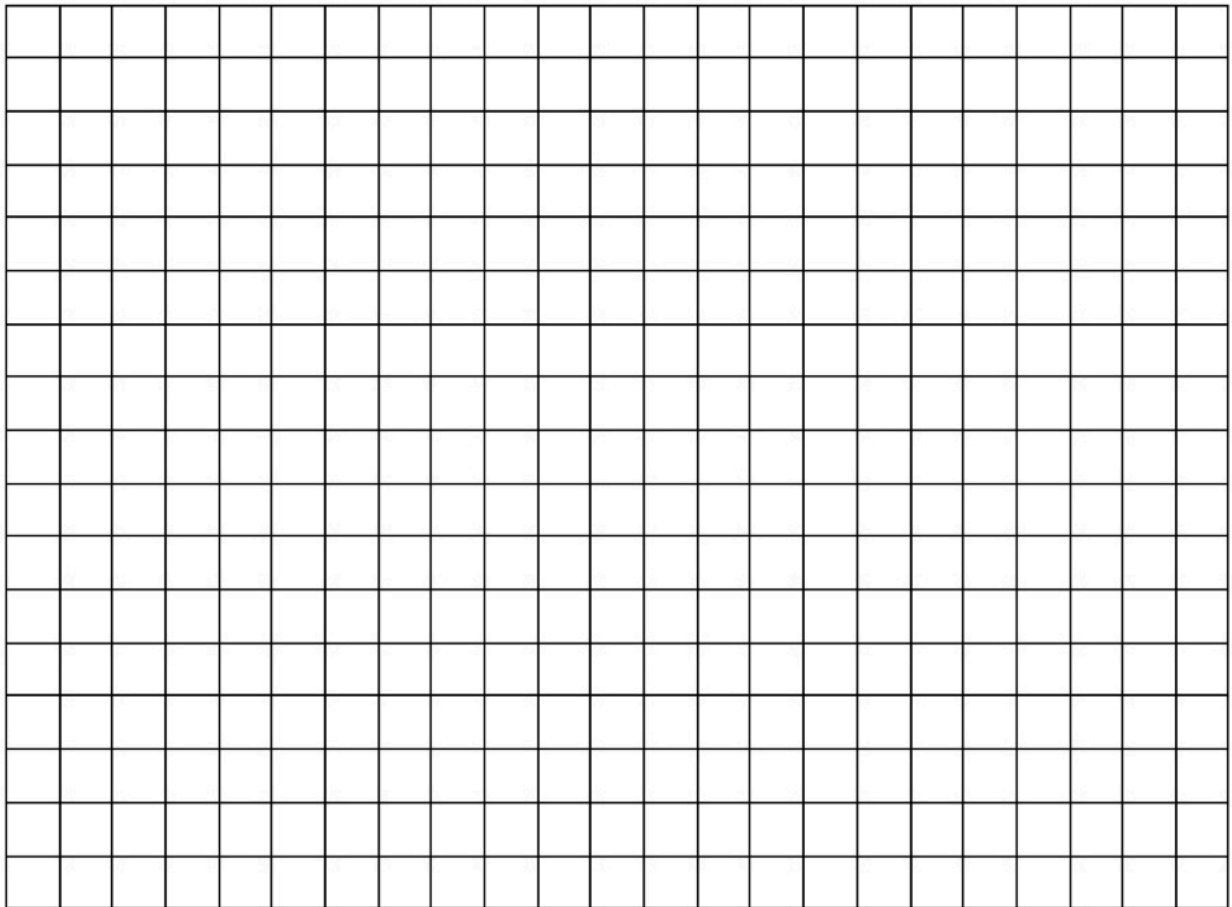


LINE GRAPH INDEPENDENT PRACTICE 3

Data Table: Measuring Changing Mass of an Object

Student	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
Big Bird	3.2g	4.6g	5.0g	5.7g	6.1g
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Justin Bieber	3.8g	4.2g	5.2g	5.5g	6.0g

Key:

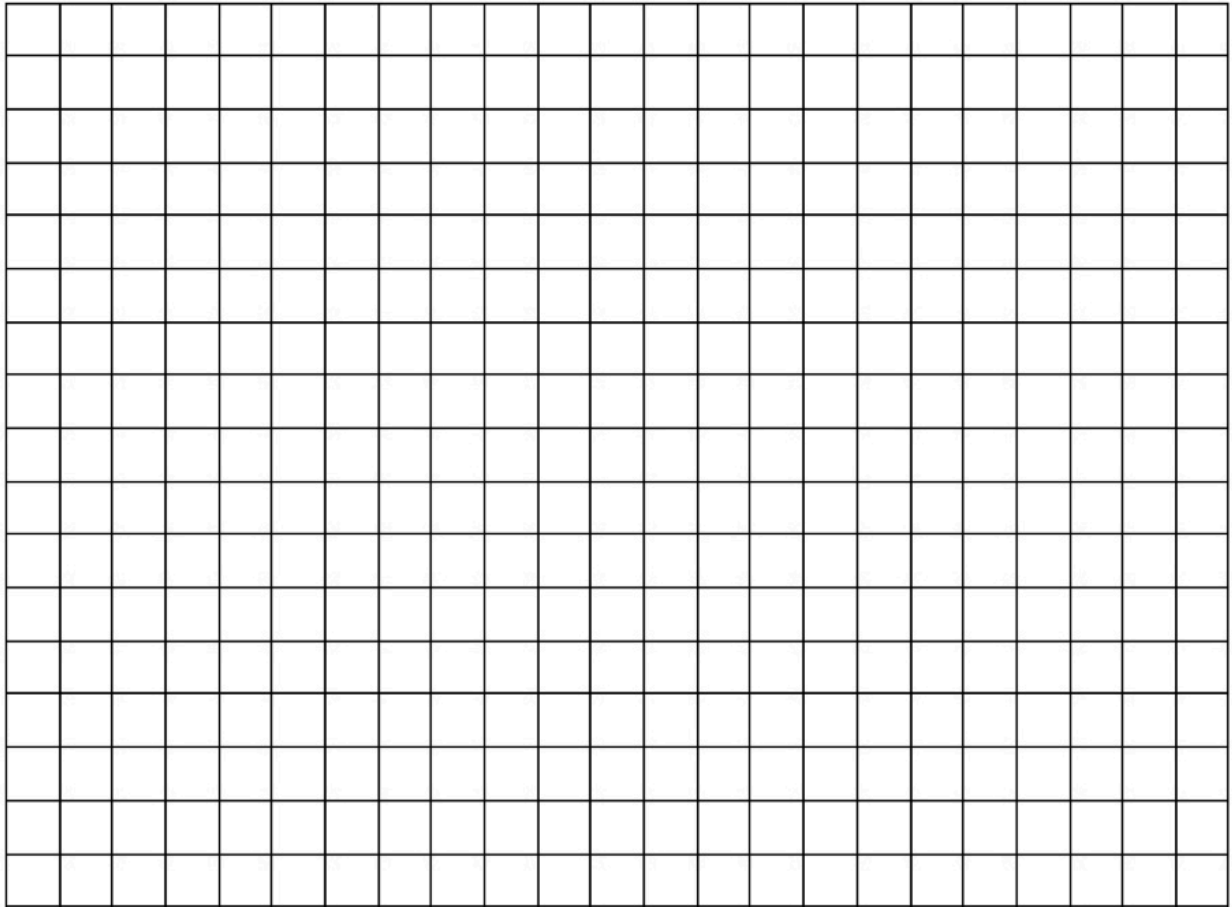


LINE GRAPH INDEPENDENT PRACTICE 4

Data Table: Yearbook Sales

Year	September # of Books Sold	October # of Books Sold	November # of Books Sold	December # of Books Sold	January # of Books Sold
2008-2009	4	8	12	7	15
2009-2010	6	12	13	10	18
2010-2011	6	5	8	8	13
2011-2012	9	14	15	12	20
2012-2013	12	16	20	18	24

Key:



LINE GRAPHS

Teacher Guide

Important things to remember when creating a line graph:

- ★ You should choose a line graph when you are graphing change over time.
- ★ Always include a title. Your title should explain what your graph represents.
- ★ Label both the x-axis and y-axis with label names and the specific data titles.
- ★ With line graphs, your time should go along the x-axis. (minutes, seconds, days, years, etc.)
- ★ Use proper spacing and be very neat.
- ★ Use appropriate number increments along the y-axis based on your data. For example:
 - ◆ if your data ranges from 1-12, you will want to use increments of 1.
 - ◆ If your data ranges from 1-36, you will want to use increments of 2.
 - ◆ If your data range is in the thousands, you may want to use increments of 100 or even 500.
- ★ If creating a multiple line graph, be sure to use different colors & include a key.