LINE GRAPHS

Important Things to Remember

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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.
\star Label both the and with label names and the specific data titles.
\star With line graphs, your should go along the
(minutes, seconds, days, years, etc.)
*Use proper and be very
$\star \text{Use appropriate}$ along the y-axis based on your data. For example:
 If your data ranges from I-I2, you will want to use increments of I. If your data ranges from I-36, you will want to use increments of 2.

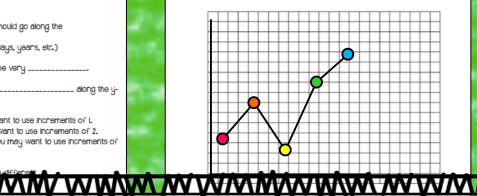
+If your data range is in the thousands, you may want to use increments of

LINE GRAPH INDEPENDENT PRACTICE 3

Data Table: Measuring Changing Mass of an Object

Student	Trial f	Trial 2	Trial 3	Trial 4	Trial 5
Big Bind	3.2g	ч.6д	5.0g	5.7g	6.ig
Barney	3.0g	3.4g	4.0g	4.6g	5.3g
Mickey Mouse	3.5g	4.0g	4.2g	5.ig	6.2g
Stevvie	4.0g	ч.ig	4.8g	5.5g	5.9g
Justin Bieber	3.8g	4.2g	5.2g	5.5g	6.0g

Key:



LINE GRAPHS Notes & Practice Pages

LINE GRAPHS Important Things to Remember

Important things to remember when creating a line graph:

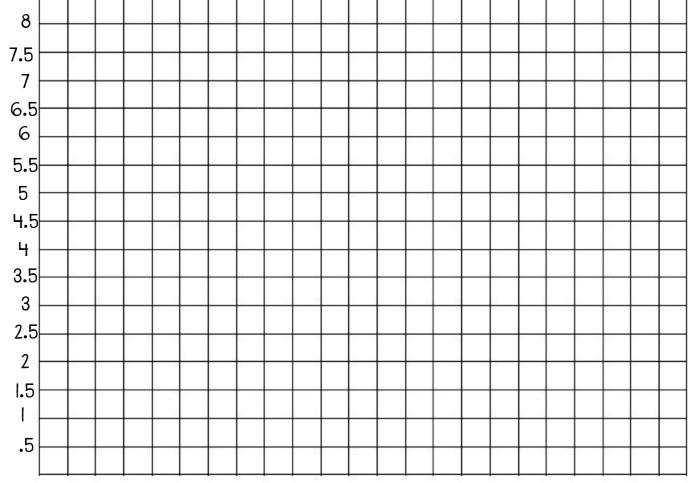
⋆You should choose a line graph when y		
★Always include a your graph represents.	Your title shou	uld explain wha
★ Label both the names and the specific data titles.	and	with labe
\star With line graphs, your	should go along the	
(minutes, sec	conds, days, years, etc.)	
∗Use proper	and be very	•
★Use appropriate axis based on your data. For example:		along the y
 → if your data ranges from I-I2, you → If your data ranges from I-36, you →If your data range is in the thous I00 or even 500. 	you will want to use increm	nents of 2.
★If creating a multiple line graph, be sur	e to use different	
and include a		

LINE GRAPH GUIDED PRACTICE 1

Data Table: Plant Growth in 10 Days

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

TITLE: ______



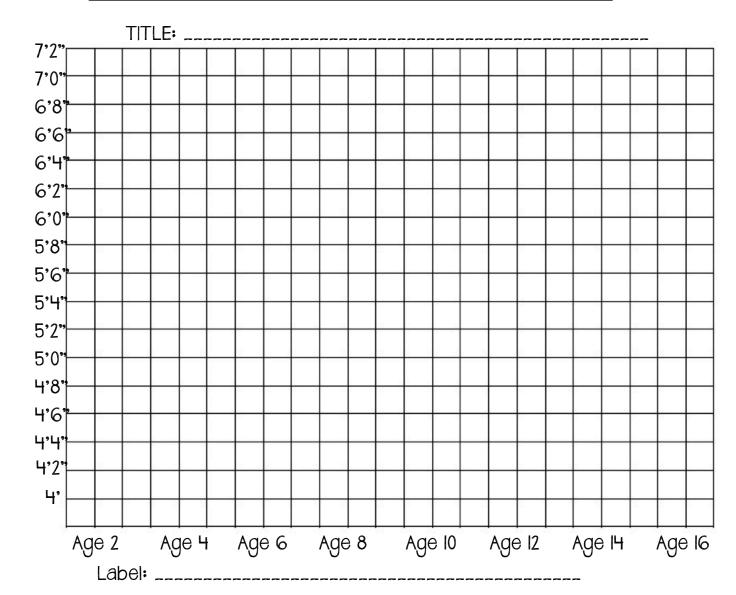
Day I Day 2 Day 3 Day 4 Day 5 Day 6 Day 7 Day 8 Day 9 Day 10

Label: ______

LINE GRAPH GUIDED PRACTICE 2

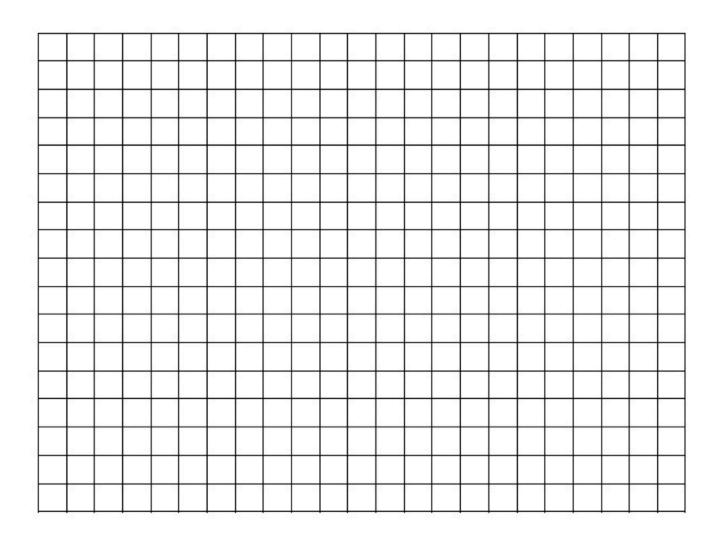
Data Table: Changes in Height with age

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



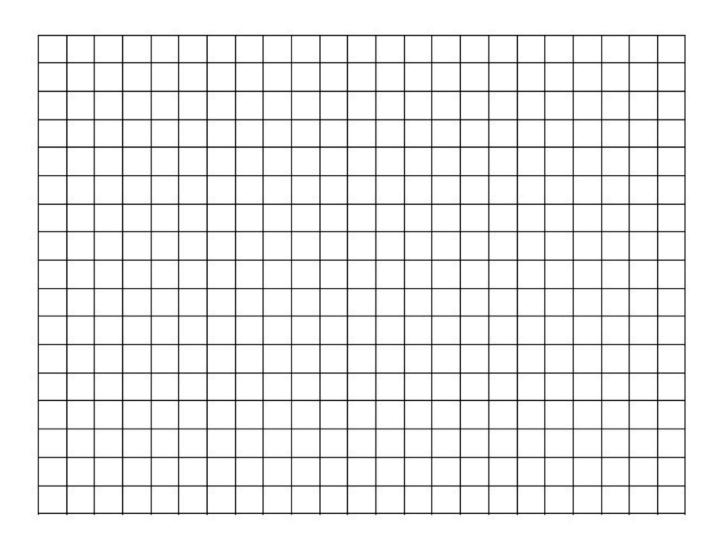
Data Table:

Dog Age	Dog Weight
l Year	40 lbs
3 Years	52 lbs
5 Years	53 lbs
7 Years	60 lbs
IO Years	67 lbs



Data Table

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



Data Table: Measuring Changing Mass of an Object

			0 0		
Student	Trial I	Trial 2	Trial 3	Trial 4	Trial 5
Big Bird	3 . 2g	4. 6g	5 . 0g	5 . 7g	6 . lg
Barney	3.0g	3.4g	4. 0g	4. 6g	5 . 3g
Mickey Mouse	3 . 5g	4.0g	4. 2g	5 . lg	6.2g
Stewie	4.0g	4.lg	4. 8g	5 . 5g	5 .9 g
Justin Bieber	3 . 8g	4. 2g	5 . 2g	5 . 5g	6.0g

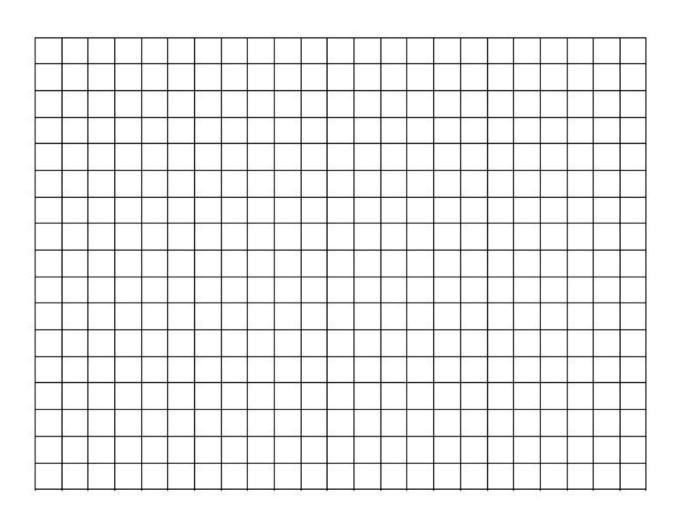
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Data Table: Yearbook Sales

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:



LIME 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 <u>title</u>. Your title should explain what your graph represents.
- \star Label both the <u>x-axis</u> and <u>y-axis</u> 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 <u>spacing</u> and be very <u>neat</u>.
- ★Use appropriate <u>number increments</u> along the y-axis based on your data. For example:
 - → if your data ranges from I-I2, you will want to use increments of I.
 - → If your data ranges from I-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.
- \star If creating a multiple line graph, be sure to use different <u>colors</u> & include a <u>key</u>.