

Using ChartDog to Graph RTI Data



Special Education Department
Winter 2019

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
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Products




 **Online Course: Common Core: Assessment &...**



Featured Tools

 Academic Intervention Planner for Struggling Students

 Behavior Intervention Planner

Fill in the Required Information

User account



Account information

Username: *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

E-mail address: *

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Confirm e-mail address: *

Please re-type your e-mail address to confirm it is accurate.


Password: *

Confirm password: *

Please choose a password for your account; it must be at least 6 characters.

You will be sent an email with info for logging in

Account details for brian.king at Intervention Central ➤ Inbox x

 **Intervention Central** <noreply@interventioncentral.org>
to me ▼

brian.king,

Thank you for registering at Intervention Central. You may now log in to <https://www.interventioncentral.org/user> using the following username and password:

username: brian.king

password:



You may also log in by clicking on this link or copying and pasting it in your browser:

https://www.interventioncentral.org/user/validate/152530/1543854656/pLjm57gzzLysnqVI4-nEa6_WqoU

This is a one-time login, so it can be used only once.

After logging in, you will be redirected to <https://www.interventioncentral.org/user/152530/edit> so you can change your password.

-- Intervention Central team

Now on to ChartDog!

Ideas, Activities Centers & More! Push core skills to your class
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OPEN

Hi **brian.king**
my stuff

logout



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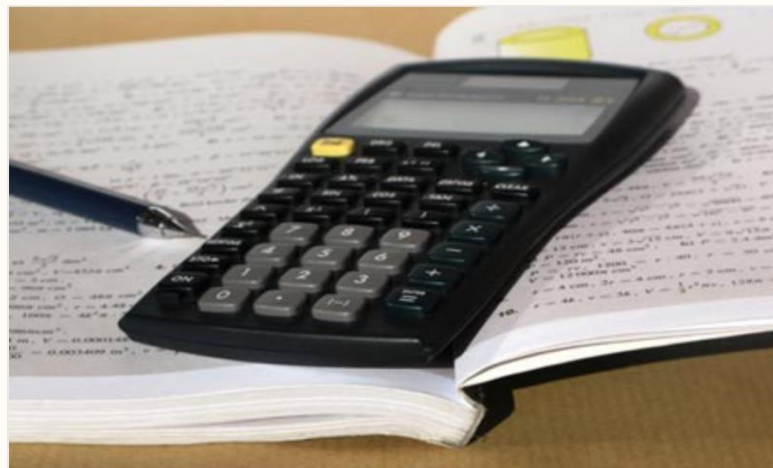
Products



Online Course: Common
Core: Assessment &
Evaluation



Latest Updates



Featured Tools



Academic Intervention
Planner for Struggling
Students



Behavior Intervention Planner



Behavior Rating Scales
Report Card Maker



ChartDog Graph Maker



Dolch Wordlist Fluency
Generator

Intervention Central provides teachers, schools and districts with free resources to

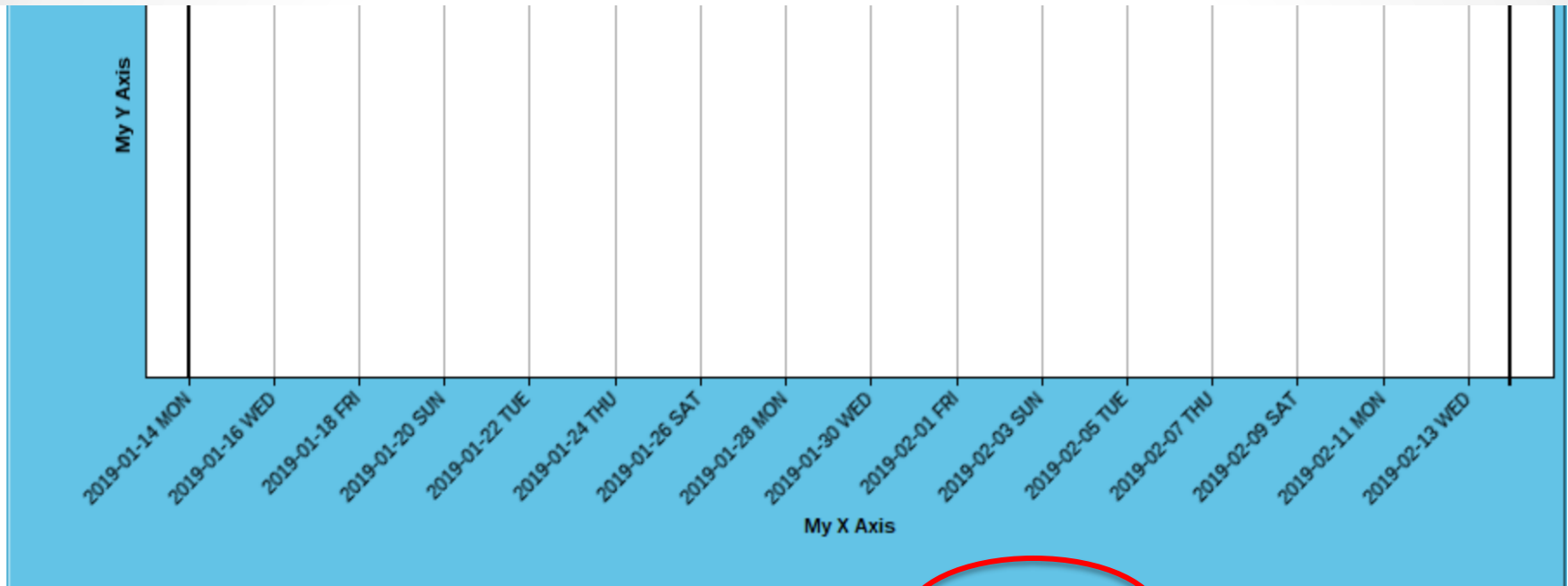
Deciding on a Variable to Measure

First Decide What You Are Keeping Track Of

Examples:

- Words Correct Per Minute
- Facts Correct Per Minute
- Digits Correct
- Spelling
- Vocabulary
- Items Correct
- Oral Retell
- Points on a writing rubric
- Etc.

Chart Options



★ Hide Goals ✖ Hide Aims 🧩 Hide Trends 🧩 **Chart Options**

Data

+ Create A New Phase

📅 Blackouts ★ Goals ✖ Aims

Series 1

hide

Series 2

hide

Series 3

hide

Series 4

hide

My Phase

2019-01-14 through 2019-02-14

Create New Entry

Create New Entry

Create New Entry

Create New Entry

Data Analysis

Chart Options Menu

- Name the graph
- Decide on X-Axis
- Decide on Y-Axis
- Add any comments- *(These comments will show up on the printout)*

The screenshot shows a software interface with a 'Chart Options' dialog box open. The dialog box has a title bar with a close button (X). It contains the following fields:

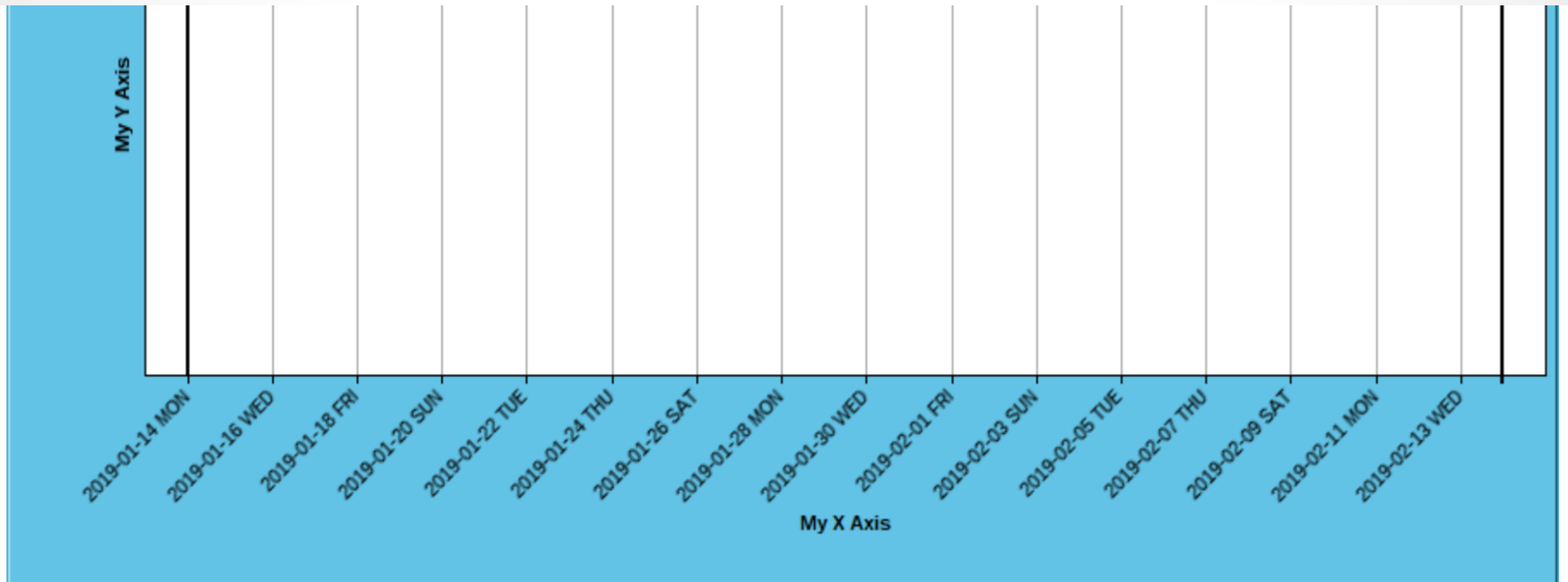
- Document Name:** Dasher's Mult. Facts 1-12
- X Axis Title:** Date
- Y Axis Title:** Facts Correct In 5 Minutes
- Comments:** Student did this intervention for 10 minutes 5 days per week.
- Keep Comments Private?:** ☐

A 'SAVE' button is located at the bottom right of the dialog box. In the background, the main interface shows a 'Data' tab with a 'CHART OPTIONS' button and a table of data entries.

Date	Score	Actions
2019-01-21		
2019-01-23	94	
2019-01-25	96	

Below the table is a 'Create New Entry' button with a plus icon.

My Phase



★ Hide Goals 🏆 Hide Aims 📊 Hide Trends ⚙ Chart Options

Data

+ Create A New Phase

📅 Blackouts ★ Goals 🏆 Aims

Series 1

hide

Series 2

hide

Series 3

hide

Series 4

hide

My Phase

2019-01-14 through 2019-02-14

Create New Entry

Create New Entry

Create New Entry

Create New Entry

Data Analysis

My Phase Menu

- Name the Phase (i.e. describe what you are doing)
- Create a Start Date
- Create an End Date
- Comments- Describe the phase/intervention (*this ends up on the printout*)

2019-01-01 2019-01-02 2019-01-03 2019-01-04 2019-01-05 2019-01-06 2019-01-07 2019-01-08 2019-01-09 2019-01-10 2019-01-11 2019-01-12 2019-01-13 2019-01-14 2019-01-15 2019-01-16 2019-01-17 2019-01-18 2019-01-19 2019-01-20 2019-01-21 2019-01-22 2019-01-23 2019-01-24 2019-01-25 2019-01-26 2019-01-27 2019-01-28 2019-01-29 2019-01-30 2019-01-31 2019-02-01

Hide Goals Show Aims Hide Trends Chart Options

Data

Create A New Phase

Blackouts Goals Aims

Time Delay Mult. Facts

2019-01-07 through 2019-01-27

Name Time Delay Mult. Facts

Start Date 2019-01-07

End Date 2019-01-27

Comments Student did 10 minutes of practice each school day using the Time Delay Multiplication Fact intervention. On

Keep Comments Private? ☐


SAVE

EDIT PHASE

Series 4 hide

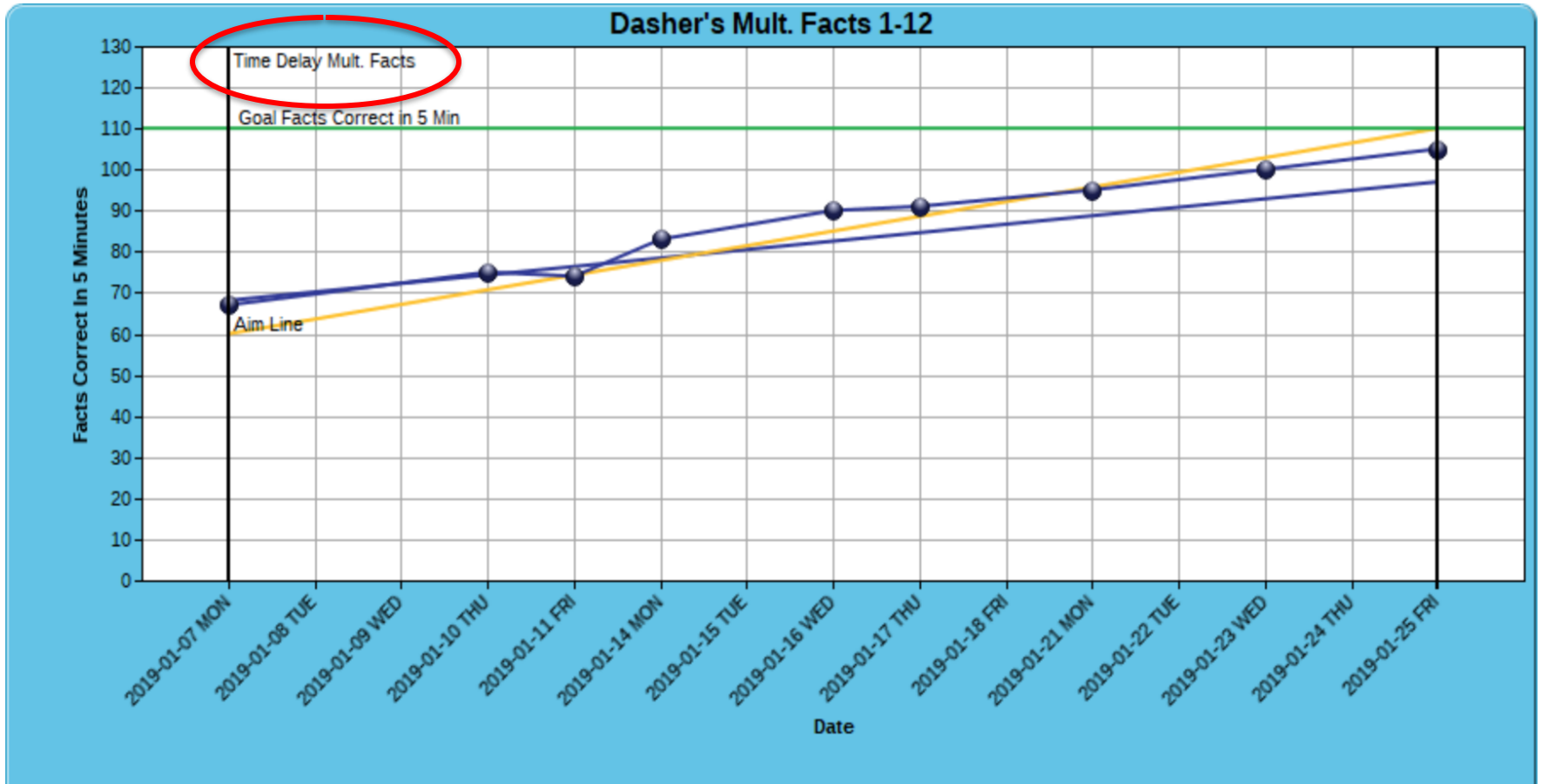
Create New Entry

Phase

 Dasher's Mult. Facts 1-12 SAVE DOCUMENT

 **Instructions**

 **Chart**

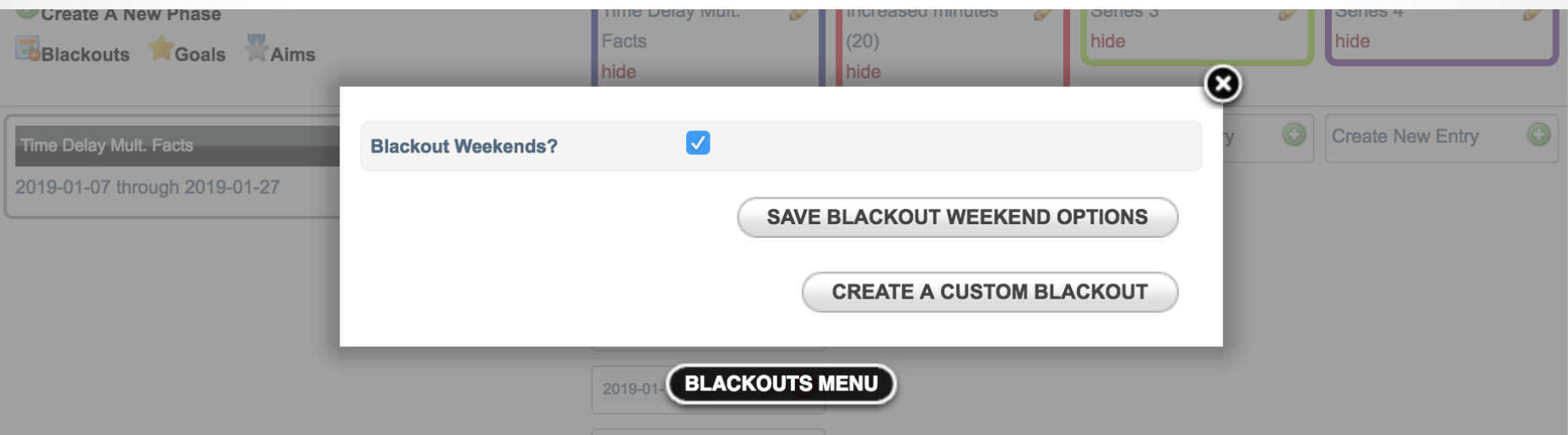


You can “Blackout” any non-school days

1.



2.



Importance of a Goal Line

- ① Without a goal line, it is hard to see if a student is making progress
- ② The goal line combined with an aim line “visibly represent the rate of progress required for a student to reach a selected goal”.
- ③ A graph that only includes student scores “illustrates a general performance pattern but not in relation to the goal or goal line”.



Ideas for how to Establish a Goal Line (Near Grade Level)

End-of-Year Benchmarking

- Find the recommended end-of-year level of performance for a particular grade and task

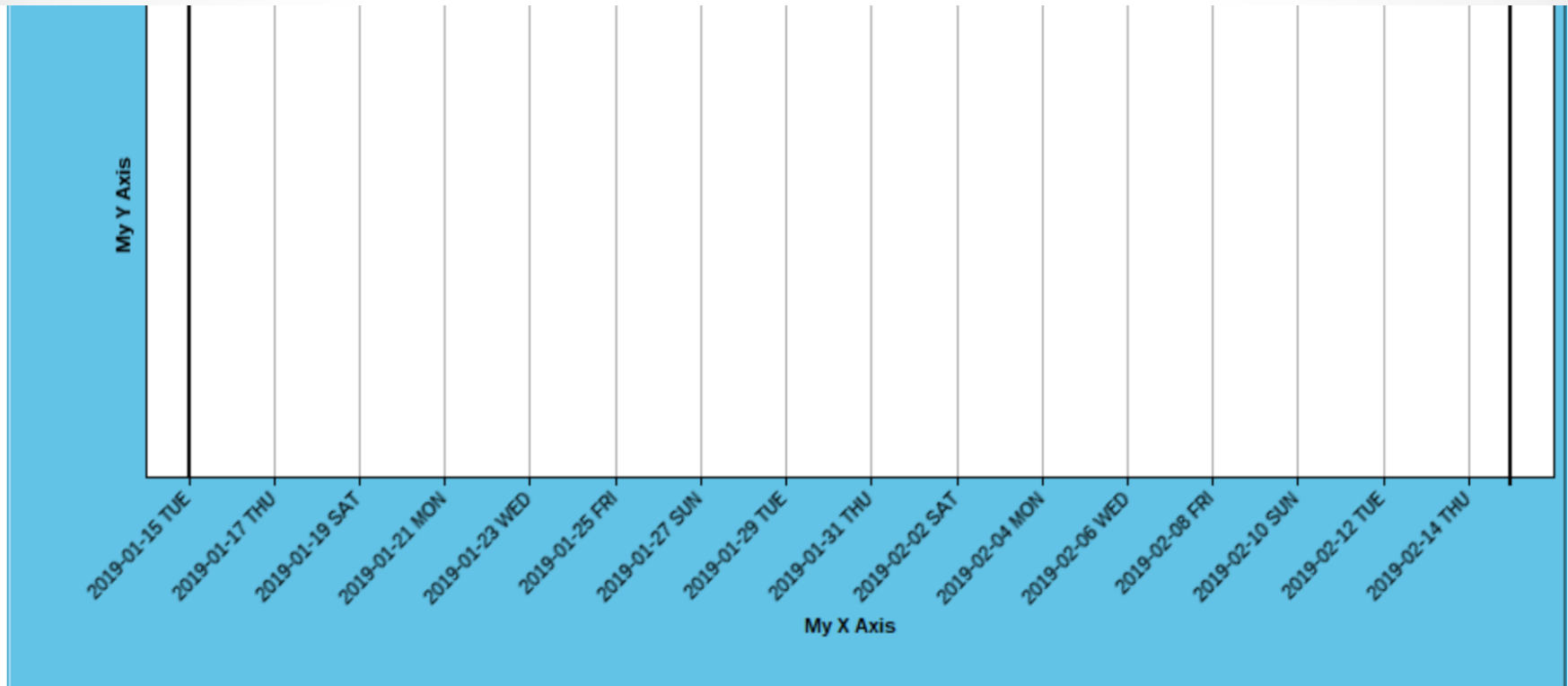
Norms for Weekly Improvement

- ① Requires a list of norms for determining adequate growth/rate of improvement (slope).
- ② “Multiply the number that represents the recommended weekly growth rate by the number of weeks remaining in the instructional period. Then add this score to the student’s baseline score.

Ideas for how to Establish a Goal Line (Significantly Below Grade Level)

Determine the student's current rate of weekly improvement

Create Goal & Aim Lines



★ Hide Goals ★ Hide Aims ✂ Hide Trends ✂ Chart Options

Data

Create A New Phase

Blackouts ★ Goals ★ Aims

Series 1
hide

Series 2
hide

Series 3
hide

Series 4
hide

Create New Entry

Create New Entry

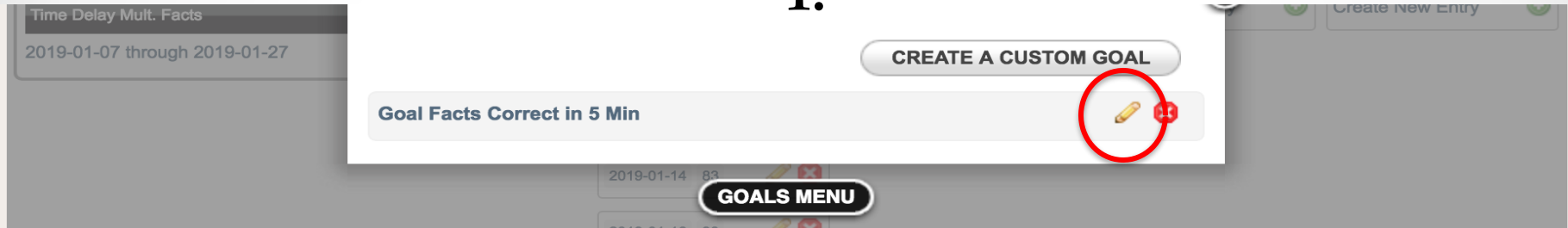
Create New Entry

Create New Entry

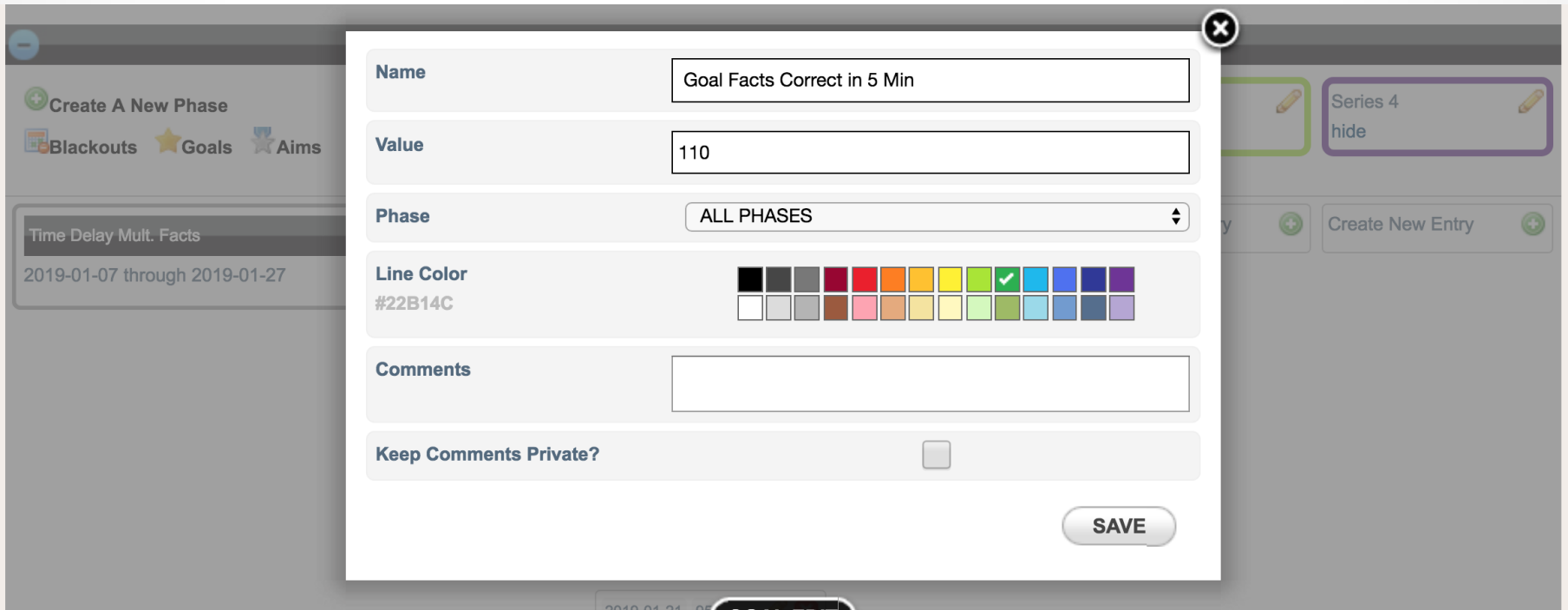
My Phase

Goal Menu

1.



2.



Goal Line



Dasher's Mult. Facts 1-12

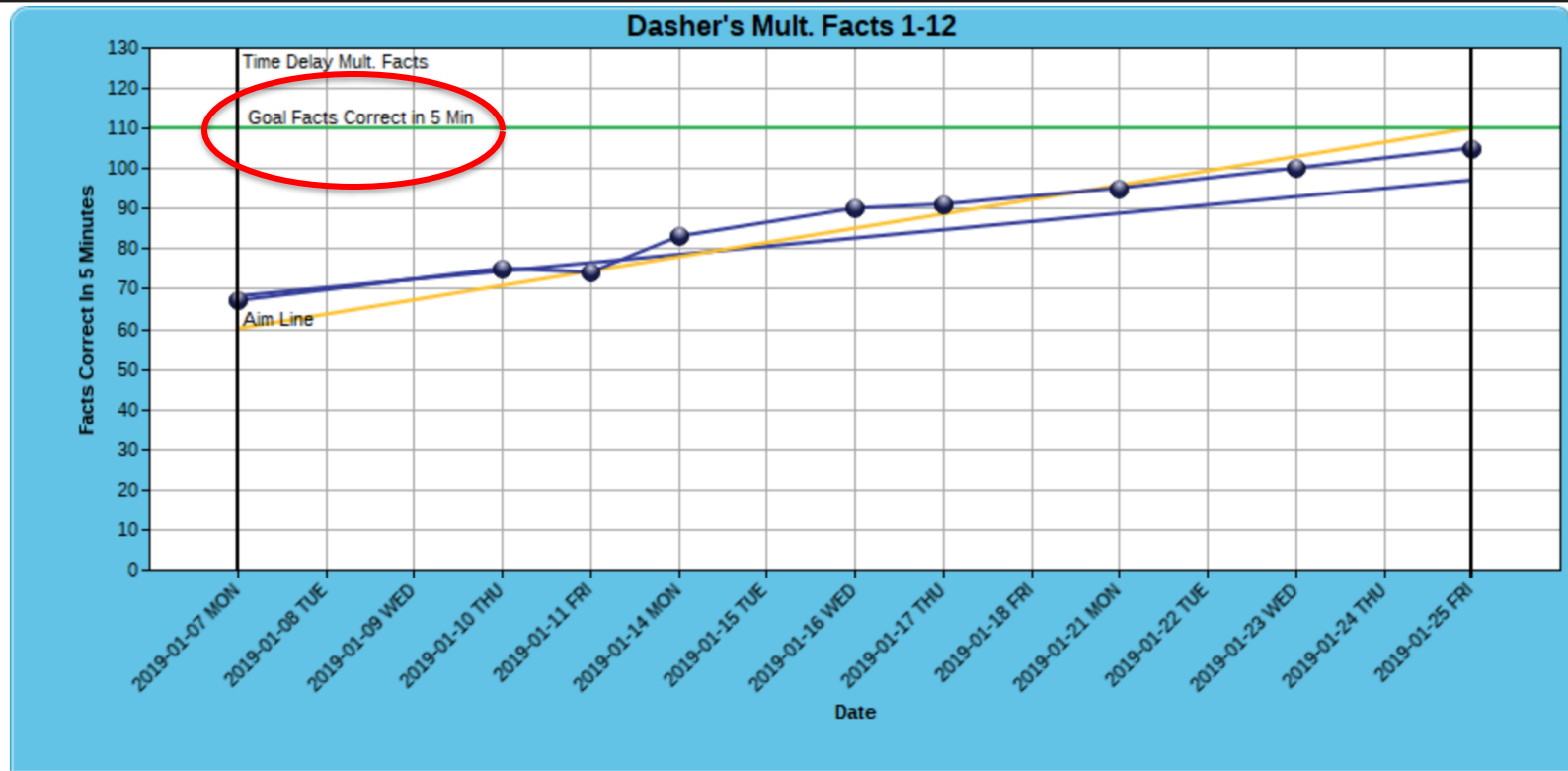
SAVE DOCUMENT



Instructions



Chart



Hide Goals



Hide Aims



Hide Trends



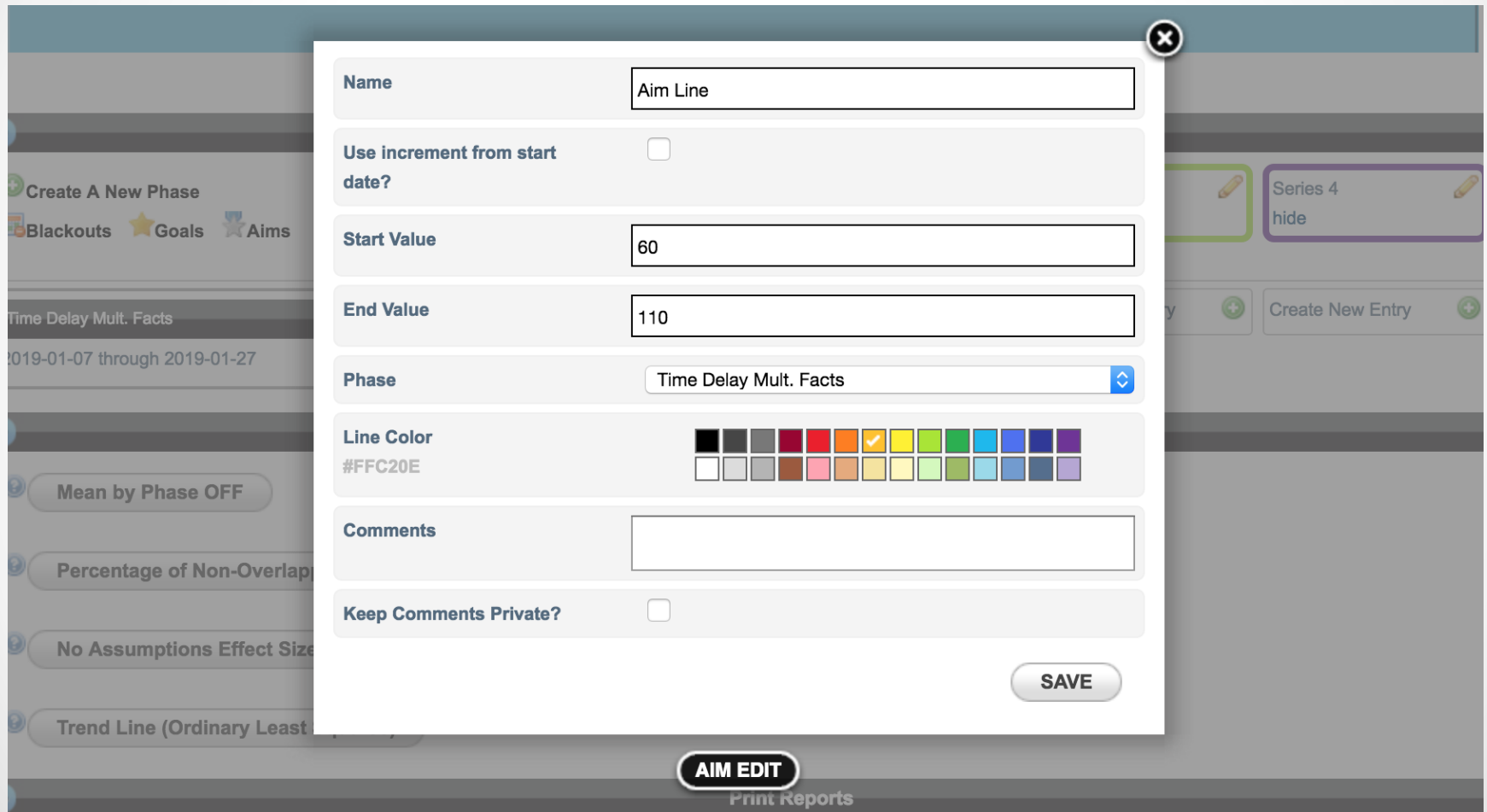
Chart Options

Establishing an Aim Line

- The Aim line represents the rate of progress that we would like to see during the course of the interventions
- The aim line connects the data point for skill level at the start of the intervention to the goal value at the end of the intervention.



Aim Line Menu



The screenshot shows a software interface with a modal dialog box titled "Aim Line Menu" (indicated by a close button in the top right corner). The dialog box contains the following fields and controls:

- Name:** A text input field containing "Aim Line".
- Use increment from start date?:** A checkbox that is currently unchecked.
- Start Value:** A text input field containing "60".
- End Value:** A text input field containing "110".
- Phase:** A dropdown menu showing "Time Delay Mult. Facts".
- Line Color:** A color selection area showing a grid of 24 color swatches. The color "#FFC20E" is selected, indicated by a checkmark in the orange swatch.
- Comments:** A text input field.
- Keep Comments Private?:** A checkbox that is currently unchecked.
- SAVE:** A button located at the bottom right of the dialog box.

In the background, parts of the main application interface are visible, including a sidebar with options like "Create A New Phase", "Blackouts", "Goals", and "Aims", and a main area with a "Time Delay Mult. Facts" section and a "Series 4 hide" button.

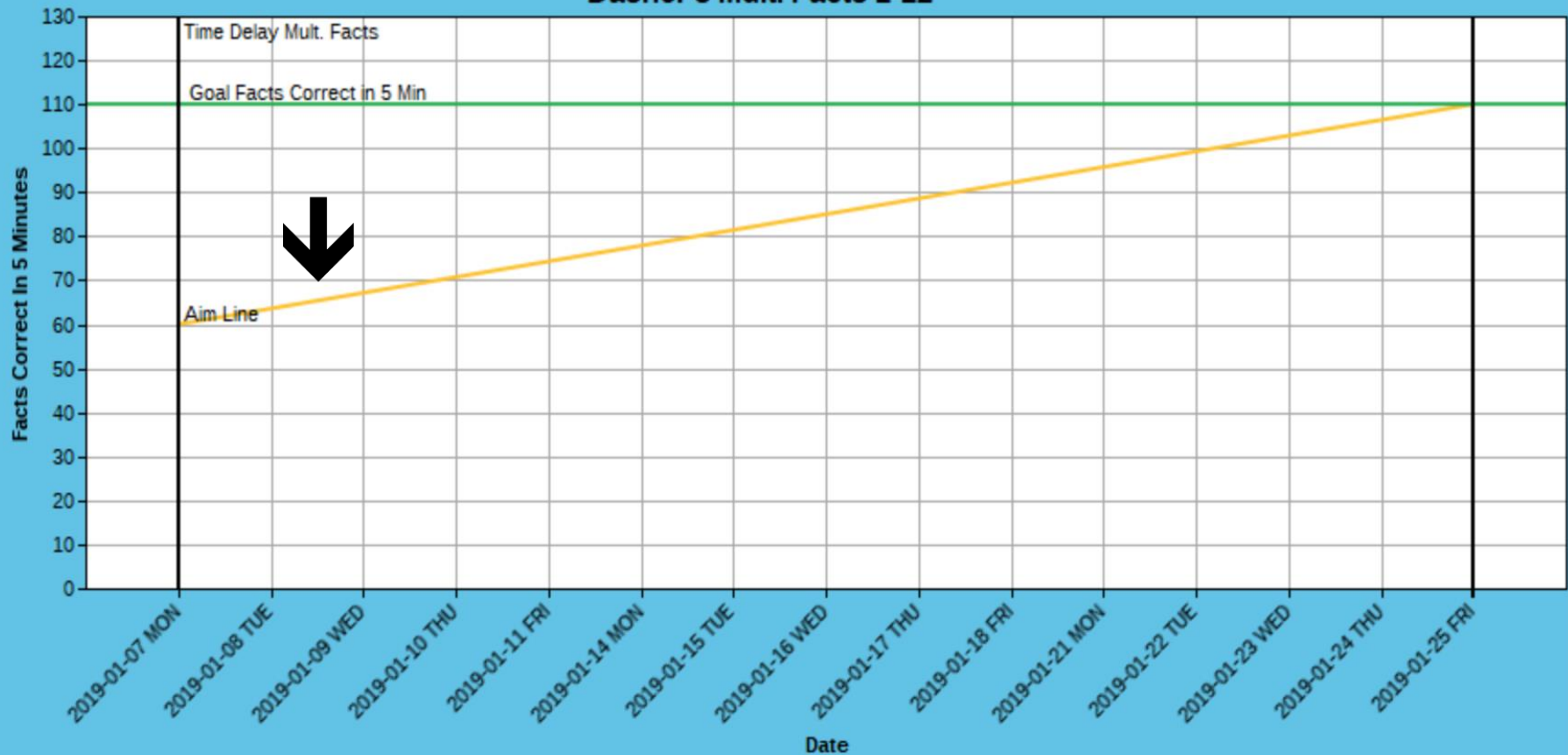
AIM EDIT

Print Reports

Aim Line

Chart

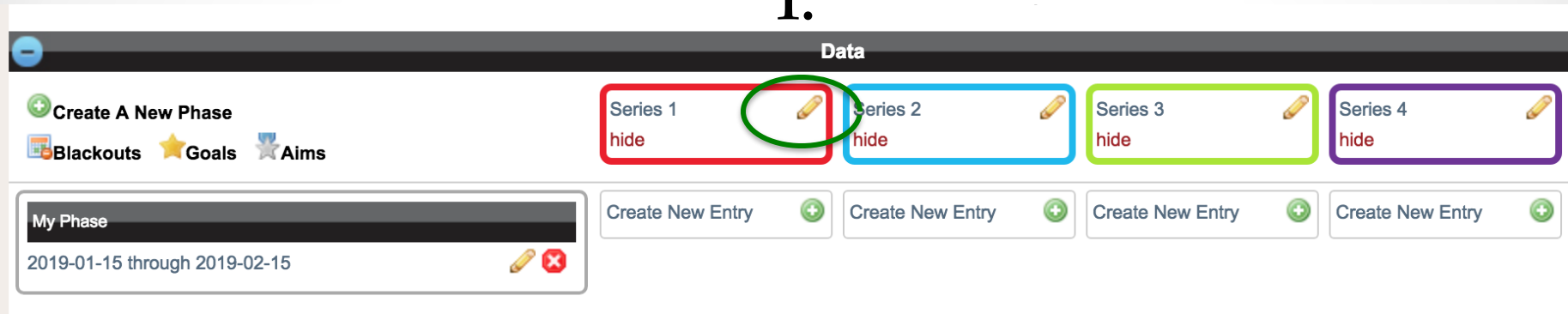
Dasher's Mult. Facts 1-12



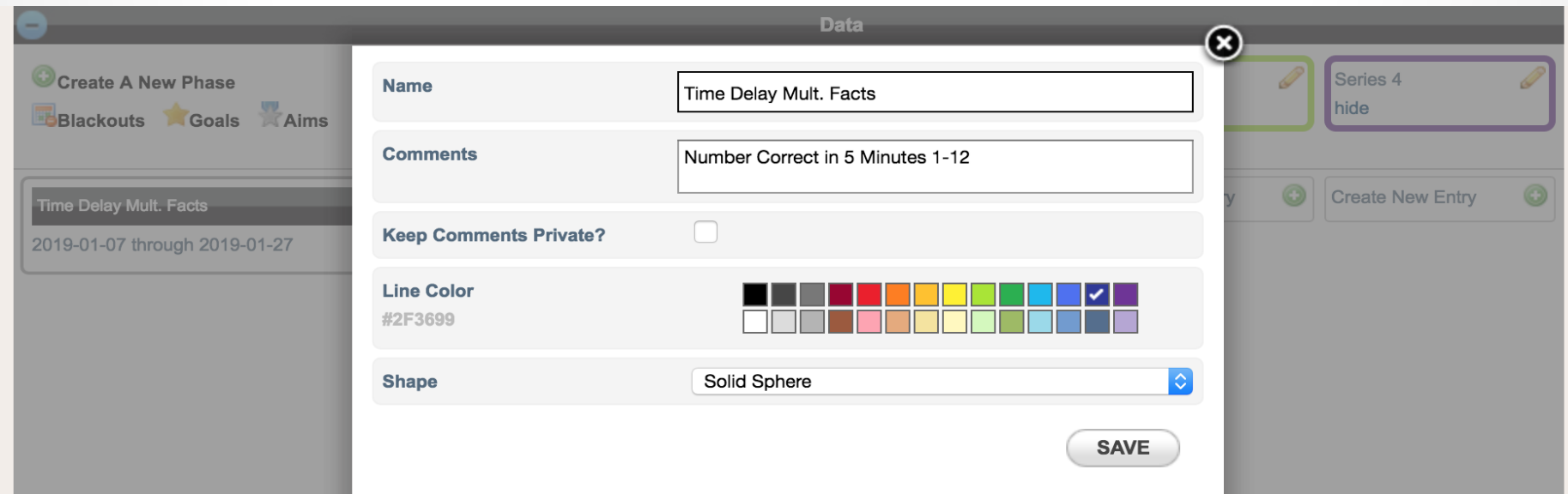
Create a Place to Enter Data

- Start with “Series 1” for your first variable
- Name the series, choose color etc.

1.



2.



Enter the Data

1.

The screenshot shows the 'Data' entry interface. At the top, there's a 'Data' header. Below it, there's a 'Create A New Phase' button and three tabs: 'Blackouts', 'Goals', and 'Aims'. There are four series listed: 'Series 1', 'Series 2', 'Series 3', and 'Series 4', each with a 'hide' button and an edit icon. The 'Series 1' button is highlighted with a red box. Below the series, there's a 'My Phase' section with a date range '2019-01-15 through 2019-02-15'. To the right of this section, there are four 'Create New Entry' buttons, each with a green plus icon. The first 'Create New Entry' button is highlighted with a red circle. At the bottom, there are two tabs: 'Data Analysis' and 'Print Reports'.

2.

The screenshot shows the 'Data' entry interface with a modal form open. The modal form has a title 'PHASE Time Delay Mult. Facts' and a subtitle 'SERIES Time Delay Mult. Facts'. It contains four fields: 'Value' (105), 'Date' (2019-01-25), 'Comments' (empty), and 'Keep Comments Private?' (checkbox). A 'SAVE' button is at the bottom right. The background shows the 'Data' entry interface with the 'Series 4' button highlighted with a red box.

Example Complete Data Set

Create A New Phase

Blackouts

Goals

Aims

Time Delay Mult. Facts

hide

Series 2

hide

Series 3

hide

Series 4

hide

Time Delay Mult. Facts

2019-01-07 through 2019-01-27

2019-01-07

67

2019-01-10

75

2019-01-11

74

2019-01-14

83

2019-01-16

90

2019-01-17

91

2019-01-21

95

2019-01-23

100

2019-01-25

105

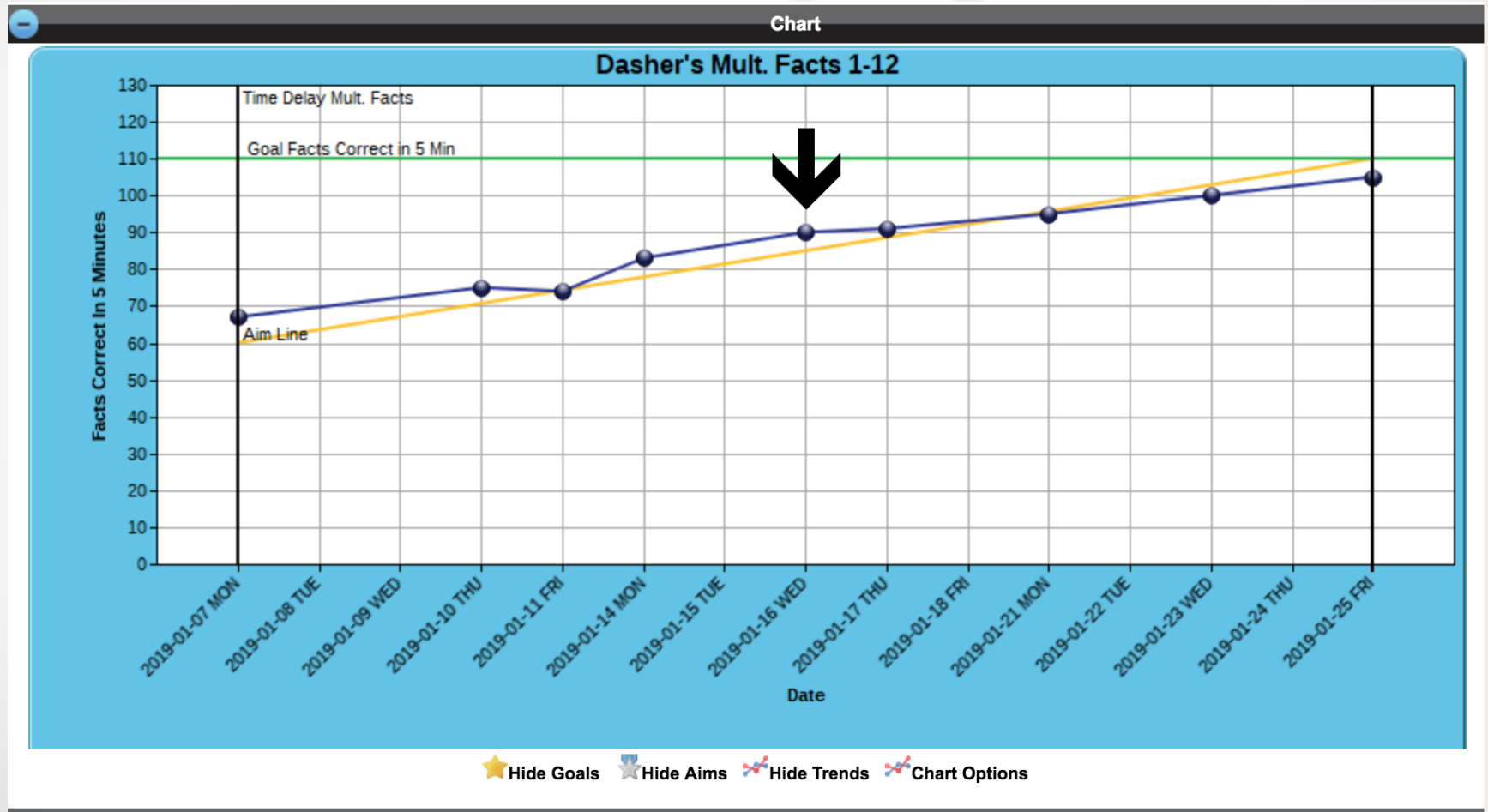
Create New Entry

Create New Entry

Create New Entry

Create New Entry

Data is now represented on the graph



Analysis of the Data: Trend Line

Data

Data Analysis

Mean by Phase OFF

Percentage of Non-Overlapping Data (PND)

No Assumptions Effect Size (NAES)

Trend Line (Ordinary Least Squares)

Print Reports

1.

Data Analysis

Mean by Phase OFF

Percentage of Non-Overlapping Data (PND)

No Assumptions Effect Size (NAES)

Trend Line (Ordinary Least Squares)

TREND LINE

Series: Time Delay Mult. Facts

Phase: ALL PHASES

SAVE

2.

Trend Line (Ordinary Least Squares)

SLOPE	INTERCEPT	R ²	SERIES	PHASE	
2.06	68.13	0.98	Time Delay Mult. Facts	ALL PHASES	 

3.

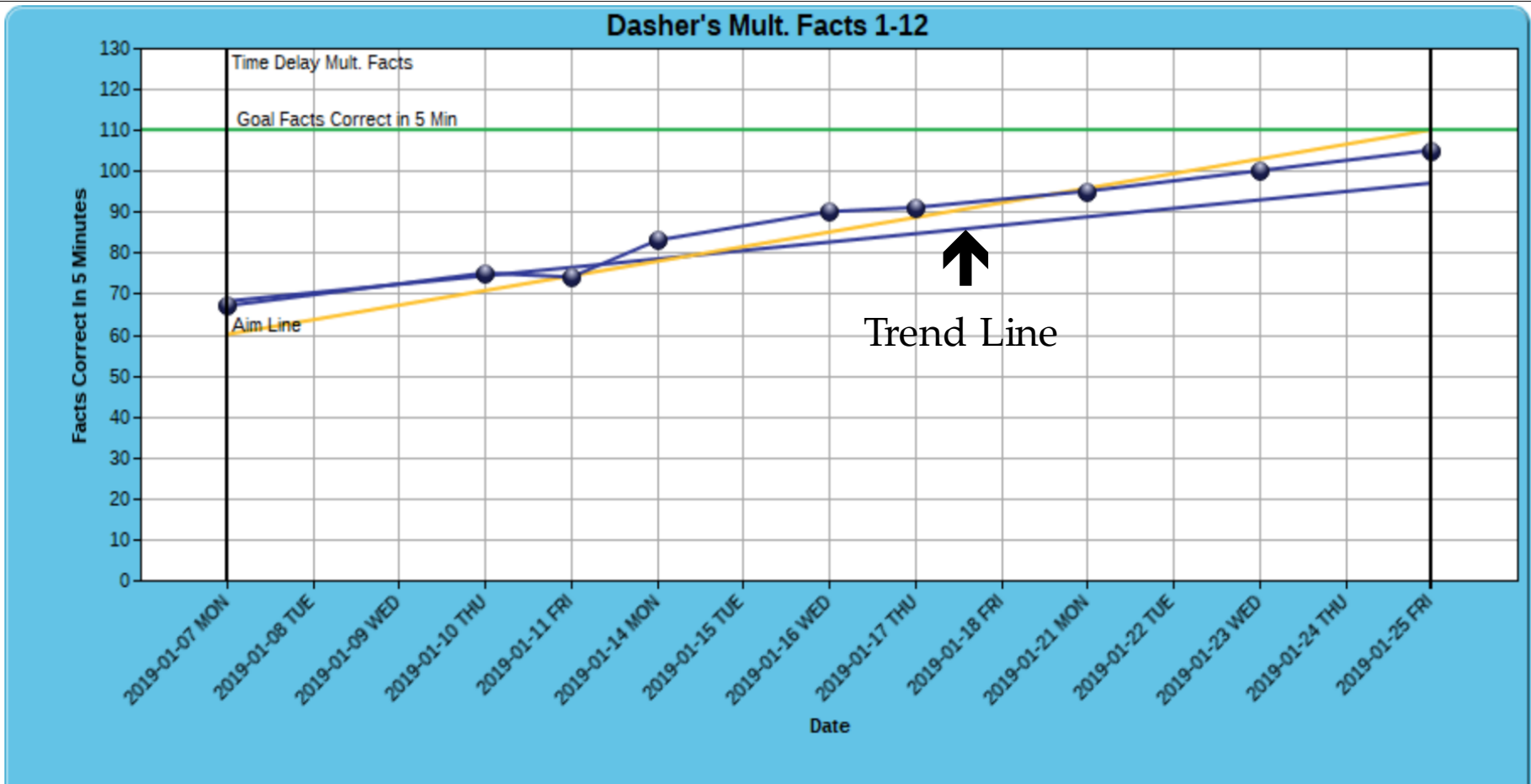
A Word About Slope

- Slope = the measure of the steepness of a line
 - The slope of a line is the change in “y” (target skill) produced by a 1 unit increase in “x” (each probe)
- In RTI/ simplified terms= rate of progress that a student is making after each probe is collected.
 - The Trend Line follows the slope

Example: If the slope of a student's data for WCPM is 2.5, you would predict that the student would read 2.5 words more each time a data point is collected.



Trend Line



★ Hide Goals ★ Hide Aims ✂ Hide Trends ✂ Chart Options

Data

Data Analysis

Print Graph and Data Sheet

Date


★ Hide Goals ★ Hide Aims 📈 Hide Trends 📄 Chart Options

+ Data

+ Data Analysis

- Print Reports

Report Options PDF Report



Data

Report Options PDF Report

Display Chart? ☒

Display Data Table? ☒

Display Chart Comments? ☒

Display Data Comments? ☒

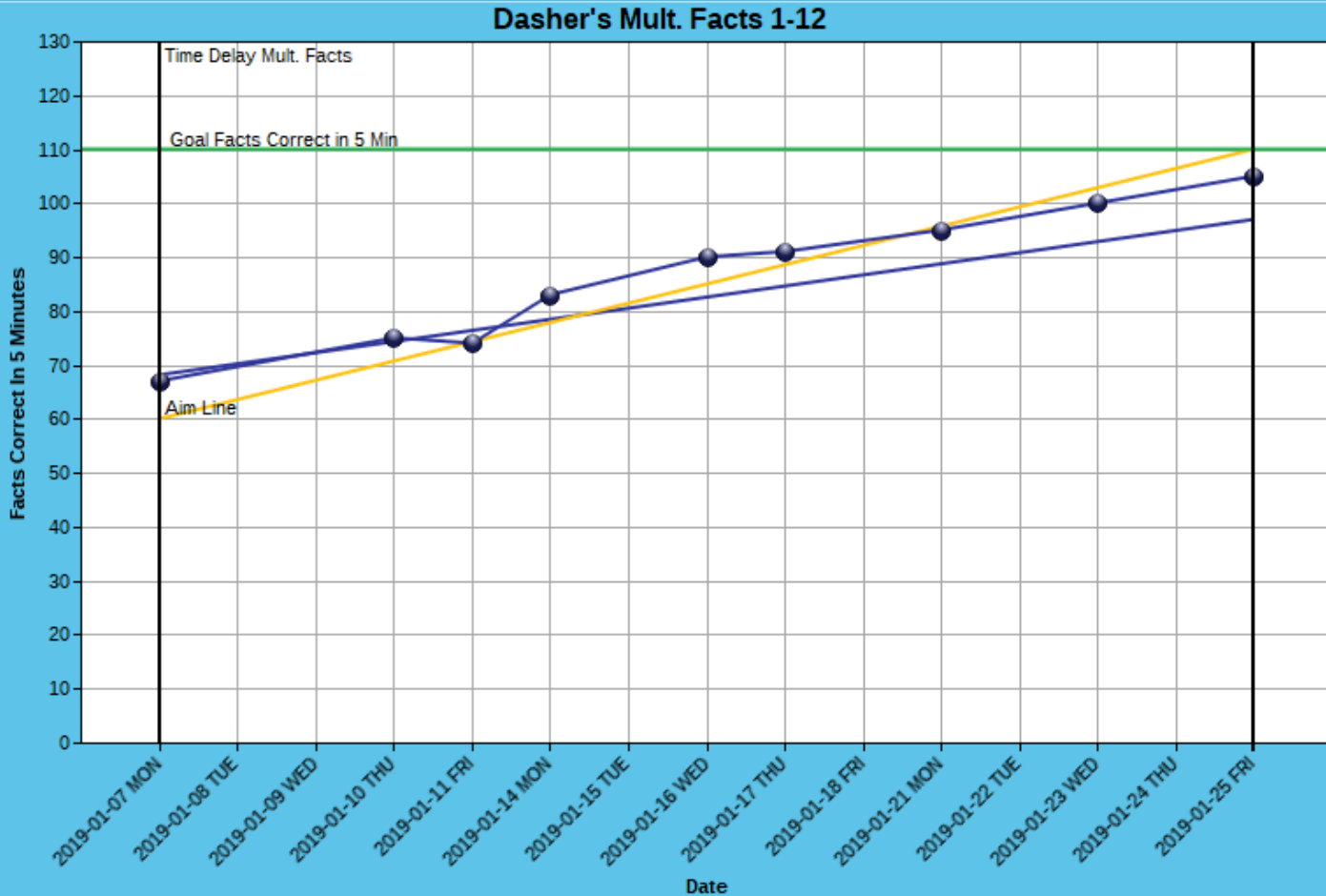
Display Series Comments? ☒

Display Phases Comments? ☒

SAVE

REPORT OPTIONS

The Report



DATA TABLE

PHASE: Time Delay Mult. Facts		
2019-01-07 through 2019-01-27 Student did 10 minutes of practice each school day using the Time Delay Multiplication Fact intervention. On Mondays, Wednesdays, and Fridays he did a probe where he would complete as many multiplication facts 0-12 as he could in 5 minutes.		
SERIES: Time Delay Mult. Facts	Number Correct in 5 Minutes 1-12	
DATE	VALUE	COMMENTS
2019-01-07	67	
2019-01-10	75	
2019-01-11	74	
2019-01-14	83	
2019-01-16	90	
2019-01-17	91	
2019-01-21	95	
2019-01-23	100	
2019-01-25	105	

BLACKOUTS

Please note that weekends are being blacked out.

GOALS

NAME	VALUE	PHASE	COMMENTS
Goal Facts Correct in 5 Min	110	ALL PHASES	

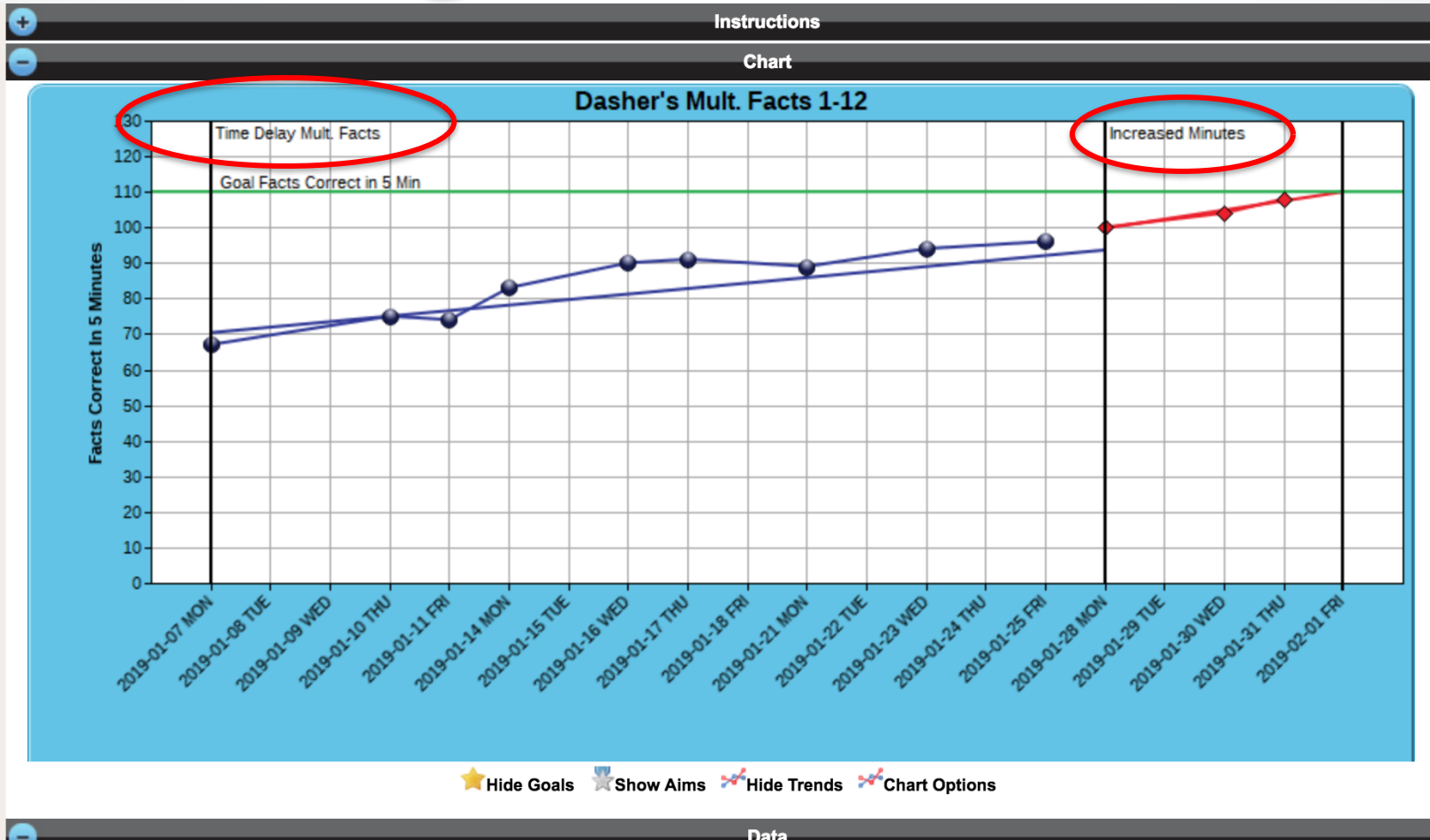
AIMS

NAME	INFO	PHASE	COMMENTS
------	------	-------	----------

Additional Tricks



Creating Different Phases



Just Create a New Phase and/or a New Series

Data

Create A New Phase (highlighted with a red circle)

Blackouts ★ Goals ★ Aims

Baseline hide

Repeated Reading hide

RP & Error Word Drill hide

Series 4 show

WPM Baseline
2018-12-03 through 2018-12-09

2018-12-03 70
2018-12-04 69
2018-12-05 68
2018-12-06 70
2018-12-07 65

Create New Entry

Create New Entry

↓

WPM Intervention
2018-12-10 through 2018-12-21

Create New Entry

2018-12-10 71
2018-12-11 71
2018-12-12 72
2018-12-13 73
2018-12-14 71

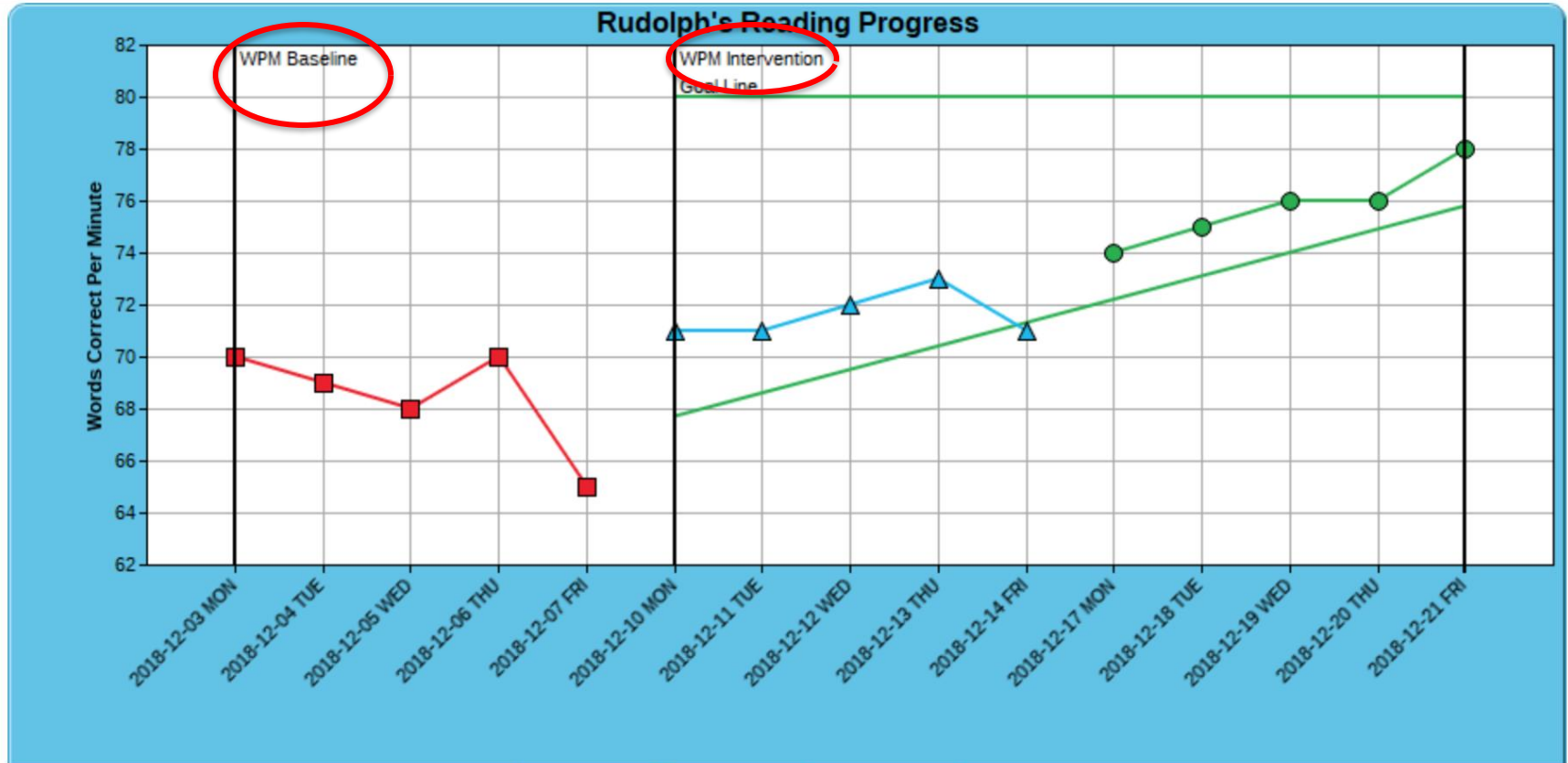
2018-12-17 74
2018-12-18 75
2018-12-19 76
2018-12-20 76
2018-12-21 78

Create New Entry

Create New Entry

Creating Different Phases

Chart



★ Hide Goals ★ Hide Aims ✂ Hide Trends ✂ Chart Options

Now you try it!

- Use the given data sets to create graphs using ChartDog.



Graph Using Data Set