

RAMADAN DATA CHALLENGE

A DRAWING DATA WITH KIDS ADVENTURE



Meet Hibah — 7 years old

It's Ramadan. Hibah watches her family fast every day — no food or water from Fajr to Maghrib. Her heart fills:

"I want to try too!"

Her parents smile: **"Let's look at the data — shortest fast, coolest day — perfect for your very first try!"**

Your mission: be Hibah's data analyst!

Little Detectives · Ages 6–9

Work with a parent. Spot the smallest numbers, draw your answer. **Ideas must come from you!**

Data Explorers · Ages 10–14

Work independently. Calculate, spot patterns, bring in extra data, build a visual. **Your analysis, your answer.**

★ Inspired by "Drawing Data with Kids" by Gulrez Khan — data literacy through drawing, crayons and curiosity about everyday life.

<https://drawingdatawithkids.com/>

UNDERSTANDING A FAST DAY:

Night (sleep)	Fajr Fast starts	NO FOOD OR WATER Fajr to Maghrib	Maghrib Fast ends	Night (iftar!)
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Fast duration = Maghrib time – Fajr time. A **shorter** gap means an **easier** day for Hibah!

REAL PRAYER DATA — AI Medina Education Center, Newark CA | athanplus.com

Ramadan 12–30 · March 1–19, 2026 · SF Temperature: San Francisco daily high °F (AccuWeather)

Date	Ramadan	Day	Fajr (Fast Starts)	Maghrib (Fast Ends)	Hours Fasting? (you calculate!)	SF Temp High °F	Cool/Warm/Hot? (you decide!)
Mar 1	R12	Sun	5:28 AM	6:06 PM		64°F	
Mar 2	R13	Mon	5:26 AM	6:07 PM		65°F	
Mar 3	R14	Tue	5:25 AM	6:08 PM		62°F	
Mar 4	R15	Wed	5:23 AM	6:09 PM		64°F	
Mar 5	R16	Thu	5:22 AM	6:10 PM		63°F	
Mar 6	R17	Fri	5:21 AM	6:11 PM		69°F	
Mar 7	R18	Sat	5:19 AM	6:12 PM		72°F	
Mar 8*	R19	Sun	6:18 AM	7:13 PM		69°F	
Mar 9	R20	Mon	6:16 AM	7:14 PM		66°F	
Mar 10	R21	Tue	6:15 AM	7:15 PM		64°F	
Mar 11	R22	Wed	6:13 AM	7:16 PM		68°F	
Mar 12	R23	Thu	6:12 AM	7:17 PM		64°F	
Mar 13	R24	Fri	6:10 AM	7:18 PM		65°F	
Mar 14	R25	Sat	6:09 AM	7:19 PM		62°F	
Mar 15	R26	Sun	6:07 AM	7:20 PM		59°F	
Mar 16	R27	Mon	6:06 AM	7:20 PM		64°F	
Mar 17	R28	Tue	6:04 AM	7:21 PM		64°F	
Mar 18	R29	Wed	6:03 AM	7:22 PM		62°F	
Mar 19	R30	Thu	6:01 AM	7:23 PM		59°F	

* March 8: Daylight Saving Time — clocks moved forward 1 hour. (Ages 10–14 bonus: does this change your calculation?)

<https://drawingdatawithkids.com/>

QUESTIONS TO EXPLORE — no answers here, that's YOUR job!

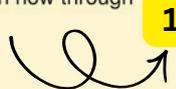
All ages	Which day has the earliest Maghrib time ? What does that tell you?
All ages	As March goes on, do fasting hours get longer or shorter ? Why?
All ages	Which days in the temperature column are Cool ?
All ages	Which day would you recommend for Hibah ? Give her one reason.
10-14	Calculate fasting hours for 5 days . Show your maths. Spot a pattern?
10-14	Which day is both shortest AND coolest ? Is there a perfect day?
Bonus	Spot the DST jump on March 8 . How does it affect the calculation?

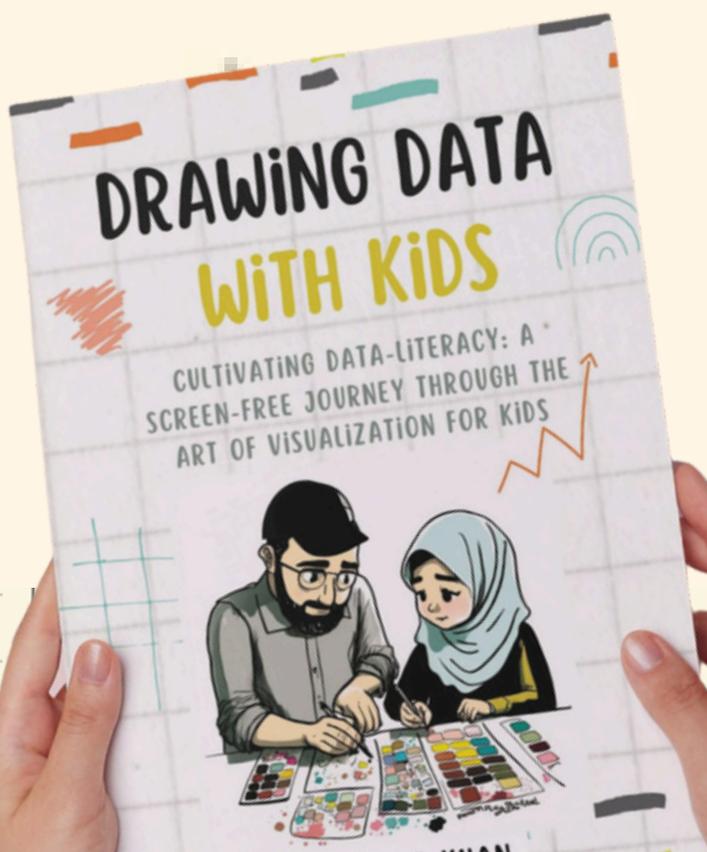
HOW TO ENTER — pick your format:

<p>Video</p> <p>Record 2-4 min: show your data, chart and recommendation. Phone + paper + crayons is perfect!</p> <p>MP4 · MOV · YouTube link</p>	<p>Slides</p> <p>Make 4-8 slides: data, calculation, a chart, and your advice for Hibah.</p> <p>PDF · PPT · Google Slides link</p>	<p>Drawing / Poster</p> <p>Draw on paper! Crayon chart + written recommendation. Take a photo to submit. All ages welcome.</p> <p>Photo · JPG · PNG</p>
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WHAT TO INCLUDE IN YOUR ENTRY:

<p>Ages 6-9 · Little Detectives</p> <ol style="list-style-type: none"> 1. Explain Fajr and Maghrib in your words or a drawing 2. Look at 3 days — which one seems shortest? Tell us why! 3. Draw or make a chart of the fasting times 4. Pick a day for Hibah + give one reason from the data 	<p>Ages 10-14 · Data Explorers</p> <ol style="list-style-type: none"> 1. Show the data and explain Fajr and Maghrib 2. Calculate fasting hours for 5+ days — show your maths! 3. Describe the pattern across the month 4. Use the temperature column — does it change your pick? 5. Final recommendation + 3 data-backed reasons
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<p>KEY DATES</p> <p>Open now through 18 March</p> 	<p>PRIZES — per age category</p> <p>1st: Signed copy of <i>Drawing Data with Kids</i> by Gulrez Khan + community feature</p> <p>2nd: Data Storyteller certificate + social shoutout</p> <p>Most Creative Visual — all ages, your art featured!</p> <p>1 signed book per category · US shipping covered</p>	<p>FOR PARENTS</p> <p>Ages 6-9: Help with tools. Observations must be your child's — ask questions, don't give answers!</p> <p>Ages 10-14: Explain concepts if needed. Analysis and conclusions must be theirs. Siblings can enter together — use the older child's category.</p> <p>No last names or school names required.</p>
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The idea is not to teach them. But to make them fall in love with data..