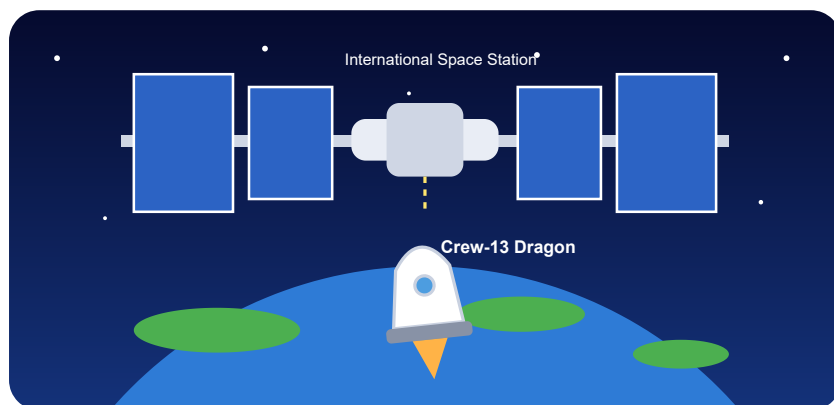




LEAD STORY · SPACE

Four astronauts reach the space station in under eight hours



A SpaceX Dragon capsule carrying four astronauts lifted off from Cape Canaveral in Florida at 11:10 a.m. US Eastern time on **Thursday 1 October** (8:40 in the evening in India) and docked with the International Space Station at 7:05 p.m., just **7 hours and 55 minutes** later. It is the fastest trip to the station ever made by a US spacecraft.

The crew of **Crew-13** is NASA astronauts **Jessica Watkins** (commander) and **Luke Delaney** (pilot), **Josh Kutryk** of the Canadian Space Agency and **Sergey Tetyatnikov** of Russia's Roscosmos. They will live on the station for **at least six months**, running experiments about health, plants and materials in space.

Did you know?

The station travels at about 28,000 km/h and circles Earth roughly every 90 minutes, so the crew sees about **16 sunrises and 16 sunsets** every day!

REMEMBERING

Gandhi Jayanti: a day for peace

On **2 October** India remembered Mahatma Gandhi, born in 1869, **157 years ago**. The United Nations marks the same day as the **International Day of Non-Violence**. Gandhiji believed that problems can be solved with patience, truth and kindness. What is one small act of peace you can do today?

KIDS' CORNER

Your work could be here

Edulin's Kids' Corner publishes children's drawings, articles, poems and stories. Ask a parent or teacher to email a clear photo or the text to **great@edulin.in** with your first name, class and school, and a line saying they agree to it being published.

Numbers of the week

7h 55m

Launch to docking for Crew-13

85

medals for India at the Asian Games

11.4

light-years to 61 Cygni, home of a new giant planet

157

years since Gandhiji's birth, 2 October

In this issue

- **p. 2** India's Asian Games
- **p. 3** Saturn tonight, space in brief
- **p. 4–5 Special:** Living in the age of AI
- **p. 6** Brain corner, poem, next week

Try this today

Look at the clock. In the time it takes to eat lunch (about 30 minutes), the space station has travelled around a third of the way around the world. Can you work out how far that is at 28,000 km/h?

Answer on page 6.

India finishes the Asian Games with 85 medals

The Asian Games in **Aichi-Nagoya, Japan**, finished on 4 October, and India's athletes completed their events on Saturday 3 October with **85 medals: 21 gold, 27 silver and 37 bronze**. More than 490 Indian competitors took part in 36 sports.

The last day was a golden one. India won **five gold medals** in cricket, hockey, wrestling, archery and golf. India also won both the men's and the women's titles in **cricket, hockey and kabaddi**.

Medal	How many
 Gold	21
 Silver	27
 Bronze	37
Total	85



CRICKET

India beat Pakistan by 19 runs

In the men's final India made **211 for 6**. Pakistan replied with **192 for 6**, a gap of 19 runs, so India kept the Asian Games title. India's women's team had also won gold earlier in the Games.

HOCKEY

India 5, Malaysia 1

The men's hockey team won gold for the **second Games in a row**. With the women's team also winning gold, India has for the first time won **both** the men's and women's hockey titles at an Asian Games.

Sport and maths

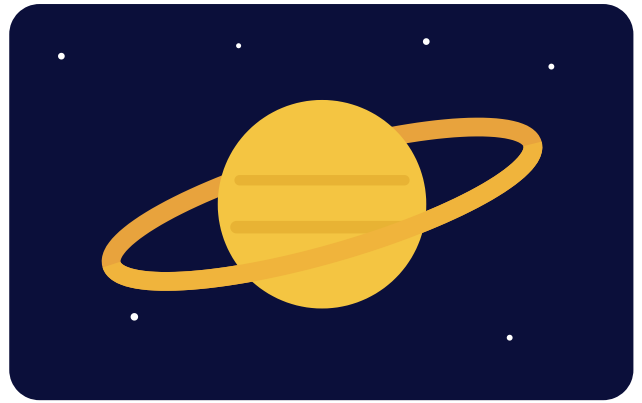
1. Add the medals: $21 + 27 + 37$. Do you get 85?
2. India scored 211 and Pakistan 192. What is the difference?
3. Hockey final: India 5, Malaysia 1. How many goals were scored in all?
4. If gold medals are 21 out of 85, is that more or less than a quarter of all the medals?

Answers on page 6.

What makes a champion?

- **Practice:** every medal starts with thousands of ordinary training days.
- **Teamwork:** in a relay, a hockey match or a kabaddi raid, success belongs to the whole team.
- **Fair play:** a good team shakes hands after the match, whether it wins or loses.
- **Rest and food:** athletes sleep well, eat well and drink water. So should you!

Saturn is at its brightest tonight



Tonight, **4 October**, Saturn reaches **opposition**. That means Earth sits between Saturn and the Sun, so the planet rises around sunset, stays in the sky all night and shines at its brightest for the whole year.

How to spot it

- Go outside after dark, with an adult.
- Look **low in the east** after sunset.
- Find a steady **yellowish-white light**. Unlike a star, it does not twinkle much.
- To see the **rings** you need a telescope or strong binoculars. The rings are tilted so we see their southern face, and they look lovely again after nearly disappearing from view last year.
- Ask your teacher about a school or club sky-watching evening.

Saturn fact file

- A **gas giant** made mostly of hydrogen and helium.
- It is so light for its size that it would **float on water** (if you could find a bathtub big enough!).
- One year on Saturn is about **29 Earth years**.
- One Saturn day is only a little over **10 hours**.
- Its rings are mostly **ice** and rock, from tiny grains to boulders.

SPACE IN BRIEF

A new giant planet

Astronomers reported a new planet around the star **61 Cygni**, only **11.4 light-years** away. It is a "super-Jupiter", several times heavier than Jupiter.

A rocky heart

By studying how a moon of the dwarf planet **Haumea** orbits it, scientists worked out that Haumea has a **dense rocky core** under an icy layer.

Artemis III moves ahead

At Kennedy Space Center the two side boosters of the **SLS rocket** for NASA's Artemis III mission have been fully stacked.

A very old photograph

On **30 September 1880** Henry Draper took the first photograph of the **Orion Nebula**, the glowing cloud where new stars are born. That was 146 years ago, the beginning of astrophotography.

World Space Week

World Space Week runs from **4 to 10 October**. Ask your school to look at the Moon, build a bottle rocket or hold a space quiz. Edulin's **Space Scientist** missions for Classes 1 to 5 are a great place to start.

Make it: a Saturn model in 15 minutes

1. Take a round fruit, a ball of clay or a scrunched-up paper ball. This is Saturn.
2. Cut a ring from a paper plate or card with a hole in the middle that is bigger than the ball.
3. Colour the ring in stripes of cream, brown and gold.
4. Push the ball through the ring and tilt the ring a little.
5. Hold it under a lamp (the Sun). Which side is lit? Where does the ring cast a shadow?
6. Photograph it and share it with your class.

How to live in the age of AI

You will grow up with Artificial Intelligence all around you. Here is how to understand it, use it well and stay yourself.

So, what is AI?

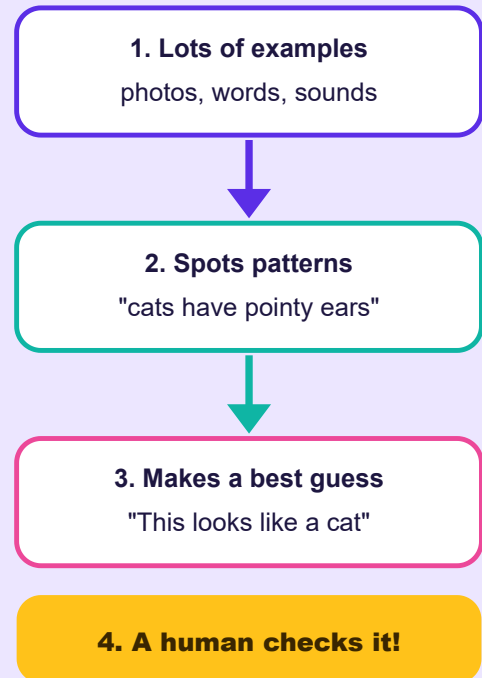
AI is a computer program that learns from **millions of examples** to find patterns, and then uses those patterns to make a good guess: the next word in a sentence, the way to spot a cat in a photo, or the quickest route home.

It can seem clever, but it does **not** think, feel or understand the way you do. It has never smelled rain or felt nervous before a test. It **predicts**; you **know**.

AI is already around you

- **Maps** that choose the fastest road and warn about traffic.
- **Translation** between Hindi, Tamil, Bengali, English and many more.
- **Voice helpers** that set alarms and answer questions.
- **Video and music suggestions** that guess what you will like next.
- **Hospitals** where computers help doctors look at scans.

How AI learns



AI is good at...

- Sorting huge amounts of information very fast.
- Spotting patterns people might miss.
- Never getting tired of repeating a job.
- Explaining an idea in many different ways.

AI is not good at...

- Being right every time. It can **sound sure and still be wrong**.
- Knowing what happened this morning, unless it can look it up.
- Understanding feelings, kindness and fairness.
- Being you: your ideas, your humour, your effort.

Real-life example: a wrong answer

In a story from our Kids' Corner, Meera (Class 7) asked an AI helper which planet has the most moons. It answered with great confidence, but the library book said something different. The AI's information was **out of date**. The lesson: **ask, check, then understand**. (Read Meera's article in the Kids' Corner.)

Three questions to ask before you trust an answer

1 · Who says so?

Is the source a real expert, a teacher, a book or a trusted organisation, or nobody in particular?

2 · How do they know?

Does it give a reason, a number, a date or a place you can look up?

3 · Can I check it?

Find the same fact in two other places. If they disagree, ask a teacher.

Seven smart habits for the age of AI

1 · Think first, ask second

Try the question yourself before you ask a machine. A tired brain grows; a brain that always outsources the thinking does not.

2 · Check it twice

If an AI gives a fact, confirm it in **two other trusted places**: a textbook, a teacher, an encyclopaedia, an official website.

3 · Keep it private

Never type your full name, school, address, phone number, photos, passwords or your family's secrets into an AI tool or app.

4 · Be kind and honest

Never make fake pictures, voices or messages of real people. If you used AI for school work, say so, and follow your school's rules.

5 · Learn with it, not through it

Ask it to **explain**, to **quiz you** or to give a **hint**. Do not ask it to do your homework. A robot cannot take your exam for you!

6 · Tell a trusted adult

If something online or in an app makes you feel worried, scared or confused, tell a parent or teacher straight away. You will never be in trouble for asking.

7 · Stay a human being

Sleep, play outside, read real books, talk to friends and grandparents, draw, sing, climb trees. The things AI cannot do are the things that make you **you**.

Try it: the 10-minute AI-check

1. With an adult, choose a safe, school-approved AI helper.
2. Ask it three questions you **already know** the answer to.
3. Mark each answer **right**, **partly right** or **wrong**.
4. Look up one answer in a book. Did they match?
5. Tell your family what you found.

No computer needed: teach the robot

Pretend your friend is a robot that only follows exact steps. Give instructions to make a jam sandwich, with no extra words. You will see how **clear instructions** (a skill called *programming*) matter, and why robots need people with good ideas.

Jargon buster

Algorithm	A list of steps a computer follows.
Training data	The examples an AI learns from.
Prompt	The question or instruction you give.
Bias	Unfairness that creeps in when the examples are one-sided.
Hallucination	When an AI states something false, confidently.
Deepfake	A fake picture, video or voice made to look real.

Skills that will last

Jobs will change, but these will always matter: **curiosity**, asking good questions, reading and writing, maths and logic, creativity, teamwork, kindness and **learning how to learn**. Games like Edulin's AI & Robotics Olympiad and Logic Delivery Service are good practice.

Puzzles, a poem and the week ahead

Riddles

A. I have rings but no fingers, and I float on water if you find a big enough bath. What am I?

B. I am full of knowledge but I am not a person. I can be wrong, so always check me. What am I?

C. I am passed from hand to hand in a relay race, and the team is in trouble if I am dropped. What am I?

AI: true or false?

1. AI always tells the truth.
2. It is safe to tell an AI your home address.
3. AI learns from examples.
4. You should check important facts in more than one place.
5. A deepfake is always easy to spot.

Secret message

Each letter is moved **one place forward** in the alphabet (A becomes B). Can you decode it?

TBUVSO TIJOFT UPOJHIU

Hint: it is a planet.

Number crunch

1. Crew-13 reached the station 7 h 55 min after launch. If it left at 11:10, at what time did it dock? (*US Eastern time*)
2. 61 Cygni is 11.4 light-years away. How far is 10 times that distance?

FROM THE KIDS' CORNER

Saturn Tonight

A poem by Sara, Class 4, Starlight Public School, Ranchi (sample content)

Look east when the sunset fades,
A golden light that never wades
Through twinkles like the stars at night;
It shines so calm, so steady, bright.

Saturn wears a hat of ice,
A ring so wide, a ring so nice.
I wave my hand and whisper, "Hi!"
From Earth to you, up in the sky.

The week ahead

- 4–10 Oct** **World Space Week.** Space quizzes and sky-watching.
- 4 Oct** **World Animal Day.** India is home to more than 70% of the world's wild tigers.
- 5 Oct** **World Teachers' Day.** Say thank you!
- 5 Oct** The **Nobel Prize** announcements begin.

Parents & teachers

Talk about AI together, use it **with** your child, not instead of them, and check each tool's age rules and privacy settings. Praise effort and original thinking. Agree family rules for screens and AI at home.

Answers

Page 1: $28,000 \times 0.5 = 14,000$ km (about a third of Earth's circumference of 40,000 km). **Page 2:** 1) Yes, 85. 2) 19. 3) 6 goals. 4) Less: a quarter of 85 is about 21.25, so 21 is a tiny bit less than a quarter. **Riddles:** A) Saturn. B) An AI helper (or a book!). C) A baton.

True or false: 1) False. 2) False. 3) True. 4) True. 5) False. **Secret message:** SATURN SHINES TONIGHT. **Number crunch:** 1) 11:10 + 7 h 55 min = 7:05 p.m. 2) 114 light-years.

Draw it! Challenge of the week

Draw "**my helpful robot**", "**Saturn tonight**" or "**the day my team won**". Use any colours you like. Ask a parent or teacher to send a clear photo to great@edulin.in with your first name, class and school, and a line saying they agree to it being published. The best pictures will appear in the Edulin Kids' Corner.