



Sumit Sir



CAT HANDBOOK





Sumit Sir

Get to know CAT

Hey! Everyone....Welcome to CATKing Family.

I am here to guide you about CAT. So, what exactly is CAT?

The CAT exam, short for Common Admission Test, is a highly competitive entrance exam in India. It is primarily used for admission to postgraduate management programs offered by Indian Institutes of Management (IIMs) and several other prestigious business schools across the country.



CAT 2026 will be held on 29th November 2026

Now, Lets see the Exam Pattern of the CAT

Subjects	Questions	Time Taken	Negative Marking
Verbal Ability & Reading Comprehension	24 (22 MCQs, 2 TITA)	40 mins	+3 ✓ -1 ✗ No -ve marking for TITA questions
Data Interpretation & Logical Reasoning	22 (12 MCQs, 10 TITA)	40 mins	
Quantitative Ability	22 (14 MCQs, 8 TITA)	40 mins	
Total	68	120 mins	

So, what is the eligibility criteria for CAT?

Candidates must have completed graduation or can be in the final year of the graduation.

Category	Passing Marks in graduation
General/EWS/NC-OBC	50%
SC/ST/PwD	45%



Protham,
CAT 99.91%ile

I have given 50-60 Mocks. Most important is to Analyse the mocks. Completing all Recorded Lessons helped me a lot. Sahil Sir & Prantik Sir's shortcuts helped a lot. Sumit Sir's trick to Tackle helped a lot in connecting with Verbal section. CATKing helped keep building habits for the entire CAT preparation.



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Registration Dates and Important dates as per last 2 years are given below...

CAT	This Year (2026)	Last year (2025)	2 Year Ago (2024)
Registration Dates	3 Aug - 15 Sept	1 Aug - 13 Sept	1 Aug - 13 Sept
Admit card Availability	4 Nov - 29 Nov	05 Nov - 29 Nov	05 Nov - 24 Nov
Exam date	29 Nov	30 Nov	24 Nov

Registration Fees

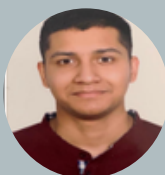
General	SC, ST, PWD
₹ 2700	₹ 1350

Result Declaration

1st Week Jan 2027 (Tentatively)

CAT Syllabus

Section	Syllabus	Exam Weightage
Quantitative Ability (QA)	- Arithmetic - Modern Maths - Number System - Algebra - Mensuration - Trigonometry - Geometry	• 34-36%
Data Interpretation & Logical Reasoning (DILR)	- Data Charts - Data Tables - Bar Graphs - Venn Diagrams - Seating Arrangement - Team Formation - Clocks & Calendars	• 30-32%
Verbal Ability & Reading Comprehension (VARC)	- Long, Short Passage - Jumbled Paragraphs - ParaSummary - Odd Sentence - Paracompletion	• 32-34%



Rohan Khanna,
CAT 99.37%ile

The Dashboard has everything for the entire CAT Preparation. Gave 102 Mocks on the dashboard. All the mocks were structured perfectly. They built confidence after completing each mock. Recorded lessons and EBooks helped in building concepts. Time Management is important. Attempt Sprint Tests too





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CAT ANALYSIS (2017-2025)									
	2025	2024	2023	2022	2021	2020	2019	2018	2017
VARC	Moderate - Difficult	Difficult	Moderate	Moderate	Moderate	Easy - Moderate	Moderate - Difficult	Easy	Easy - Moderate
DILR	Difficult	Moderate - Difficult	Moderate - Difficult	Difficult	Moderate	Moderate - Difficult	Easy - Moderate	Moderate	Difficult
QA	Easy - Moderate	Easy - Moderate	Very Difficult	Moderate - Difficult	Easy - Moderate	Moderate - Difficult	Easy - Moderate	Difficult	Easy - Moderate
OVERALL	Difficult	Difficult	Difficult	Moderate - Difficult	Moderate	Moderate - Difficult	Moderate - Difficult	Moderate - Difficult	Easy - Moderate

% of MARKS (2017-2025)									
Percentile	2025	2024	2023	2022	2021	2020	2019	2018	2017
99%ile	46%	46%	39%	42%	49%	45%	53%	51%	58%
95%ile	33%	34%	28%	30%	36%	33%	40%	40%	46%
90%ile	28%	28%	23%	24%	30%	28%	33%	34%	39%
85%ile	24%	24%	22%	21%	26%	25%	28%	30%	34%
80%ile	21%	21%	21%	18%	23%	21%	25%	26%	31%

RAW SCORES (2017-2025)									
Percentile	2025	2024	2023	2022	2021	2020	2019	2018	2017
99%ile	92	95	76	84	97	102	158	154	174
95%ile	68	70	55	60	72	76	120	121	138
90%ile	57	58	45	48	59	64	98	103	118
85%ile	50	50	43	41	51	57	85	89	103
80%ile	44	44	42	36	45	48	75	79	93
Total Marks	204	204	198	198	198	228	300	300	300



Ahas Sharma,
CAT 98.69%ile

I am a working professional and didn't get much time for my preparations. I joined CATKing's Mock in last 2 months which helped me to gain confidence and achieve 98.69%ile in my CAT. I used to get motivated by Sumit Sir's videos and the dashboard content helped me to strategize my approach for the examination and also helping me further in the WATPI.

CAT 2023 – 2025 score vs percentile analysis



	2025				2024				2023			
%ile	Total	VARC	DILR	QA	Total	VARC	DILR	QA	Total	VARC	DILR	QA
99.5	98	46	32	36	103.9	44	41.4	36.6	84.29	44	30.5	28
99	93	42	26	32	95.13	40.3	37.8	33	76.02	39.83	27.29	26
97	76	34	22	24	78.9	33.54	30.8	25	61.56	33.65	22.5	21.8
95	68	30	19	21	70	30	27	22	54.86	28.78	18.92	16.8
90	57	25	15	16	58	24	22.5	17	45.16	23.37	15.63	13.6
80	44	19	12	12	44	18.2	17	11.6	41.19	17.58	11.67	9.2
70	32	14	9	8	25.3	15	13	9	38.94	10	8	6



Mihir Jha,
CAT 99.69%ile

CATKing provide excellent exposure to the test format, and the varying difficulty levels allowed me understand the structure. This helped me develop a solid strategy for approaching the actual exam. The institute's mock tests have been incredibly helpful. The "PI Must Do Questions" session in the GDPI course has been extremely beneficial for my interview preparation. It provides valuable insight into the common questions typically asked during interviews. More importantly, the session goes beyond just the questions—it delves into the nuances of the interview process itself. By covering both the content and the strategy behind the interview process, this session gave me a comprehensive understanding of what to expect, making me feel much more confident and well-prepared for the interview.



Akshit Garg,
CAT 99.50%ile

I am Akshit Garg, a student of CATKing for CAT. My experience here was enriching as I got access to live and recorded lectures which helped me prepare for LRDI section mainly. I took a few mocks as well which further fine-tuned my preparation.

CAT 2010-2025 Analysis

Year	No. of Ques	Minutes	Average time per Question(In Minutes)	Sections	Convenor	Convenor Name	Time Per Question
2010 (15 Min Tutorial)	60	135	2.25	QA, DI & LR, VA	IIM Lucknow	Prof Himanshu Rai	2.25
2011	60	140	2.33	QA, DI & LR, VA	IIM Calcutta	Sanjeet singh	2.3
2012	60	140	2.33	QA, DI & LR, VA	IIM Kozhikode	Prof SSS Kumar	2.3
2013	60	140	2.33	QA, DI & LR, VA	IIM Indore	Dr Rohit Kapoor	2.33
2014	100	170	1.70	QA, DI & LR, VA	IIM Indore	Dr Rohit Kapoor	1.7
2015	100	180	1.80	QA, DI & LR, VA	IIM Ahmedabad	Dr Tathagat Bandopadhyay	1.8
2016	100	180	1.80	QA, DI & LR, VA	IIM Bangalore	Dr Rajendra K Bandi	1.8
2017	100	180	1.8	QA, DI & LR, VA	IIM Lucknow	Dr Neeraj Dwivedi	1.8
2018	100	180	1.80	QA, DI & LR, VA	IIM Calcutta	Dr Sumantu Basu	1.8
2019	100	180	1.80	QA, DI & LR, VA	IIM Kozhikode	Dr Subhasis Dey	1.8
2020	76	120	1.58	QA, DI & LR, VA	IIM Indore	Dr Harshal Lowelekar	1.58
2021	66	120	1.82	QA, DI & LR, VA	IIM Ahmedabad	Dr MP Ram Mohan	1.82
2022	66	120	1.82	QA, DI & LR, VA	IIM Bangalore	Dr Ashis Mishra	1.82
2023	66	120	1.82	QA, DI & LR, VA	IIM Lucknow	Sanjeet singh	1.82
2024	68	120	1.82	QA, DI & LR, VA	IIM Calcutta	Ramya T. Venkateswaran	1.82
2025	68	120	1.76	QA, DI & LR, VA	IIM Kozhikode	Prof Ramkumar PN	1.76



Karthik P
CAT 97.97%ile

As a working professional, CATKing's mock tests significantly strengthened my CAT preparation. They helped me refine my strategy and approach the exam with greater clarity and confidence. I also enrolled in their interview preparation program, which gave me a solid understanding of the fundamentals and exposure to various MBA-related domains.



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Now Let's have a look on CAT Preparation Strategy

Prepare in three phases :-

1. Phase 1 (Till 15 Aug):-

- i. Study VPAR
- ii. Daily read AEON Essays
- iii. For Vocabulary read from Norman Lewis Word Power Made Easy
- iv. Daily Do 1 RC, 1 DILR set, and 20 Questions of Quant
- v. Give monthly 1 mock
- vi. Start preparing for basics(8th, 9th, 10th class) -> which covers 12 questions(i.e. 80%ile) of the CAT exam.

2. Phase 2(Till 15 Oct) :-

- i. Do LOD2 ebooks
- ii. Daily do 5 RCs, 5 PJs, 5 PS, 5 DILR sets, and 30 Questions of Quants
- iii. Start giving weekly mocks
- iv. Start working on week sections
- v. Start doing revision
- vi. Work on potential mock score(Do a proper analysis of your paper)
- vii. Give CATKing special Diwali Mock and take a pledge to celebrate next Diwali at an IIM **#aglidiwaliIIMwali**

3. Phase 3(Till CAT) :-

- i. Start giving weekly mocks and analysis
- ii. Focus on Last Leap CAT books
- iii. Start solving last 10 years CAT papers
- iv. Attend Rocket Bootcamps

Time to CAT	Study Plan Videos
1 year	WATCH VIDEO
6 Months	WATCH VIDEO
3 Months	WATCH VIDEO



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What After CAT?

Let's have a look on GD-WAT-PI process!

Selection Process	Description
Written Ability Test (WAT)	1 question is given and 2-5 minutes is given to think - Essay is to be written of 100-200 words. - Essay writing time (IIM Bangalore - 30 min, IIM Lucknow - 15 min, IIM Ahmedabad - 10 mins)
Personal Interview (PI)	It is an in person interaction with the panel of the college the student is applying for

Now, We will look into the weightage of CAT exam in final selection in IIM

Institute	Weightage(%)
IIM Bangalore	30
IIM Calcutta	30
IIM Lucknow	40
IIM Ahmedabad	50
IIM Trichy	25
IIM Indore	40
IIM Sirmaur	30
IIM Jammu	30
IIM Rohtak	20

Institute	Weightage(%)
IIM Ranchi	30
IIM Amritsar	25
IIM Visakhapatnam	25
IIM Raipur	35
IIM Udaipur	15
IIM Kashipur	25
IIM Kozhikode	44
IIM Bodh Gaya	20 (If WAT is not conducted then 30)



Divyansh Kumar,
CAT 99.16%ile

My experience with CATKing was excellent. I stayed connected with them throughout my one-year preparation journey. Sumit sir is an amazing mentor who guided students exceptionally well. Thanks to the entire CATKing team for supporting me and many other aspirants.



Let's dive into to the Cutoff %ile, Placement Highlights, Total fees, and Batch Size

College Name	Cutoff %ile	Average Placement	Median Placement	Highest Placement	Total Fees	Batch Size
IIM Ahmedabad	99	34.46L	31.58L	1.46Cr	33.35L	380
IIM Bangalore	99	35.92L	32.50L	-	25.70L	517
IIM Calcutta	99	35.70L	33.67L	1.15Cr	31L	465
IIM Lucknow	90	32.21L	30L	49.3L	20.75L	571
IIM Indore	90	30.21L	27.2L	1.15Cr	20.11L	572
IIM Kozhikode	85	31.02L	27L	67.02L	22.5L	559
IIM Shillong	94	26.96L	26.09L	71.30L	17.5L	238
IIM Udaipur	92	20.09L	20L	46.77L	22.5L	318
IIM Raipur	92	21.04L	20L	67.6L	19L	255
IIM Rohtak	95	18.73L	17.5L	36L	17.9L	237
IIM Visakhapatnam	80	16.61L	16L	32.65L	17.85L	193
IIM Trichy	92	20.55L	19.5L	41.61L	21.00L	275
IIM Sambalpur	94	16.63L	16L	64.61L	21L	167
IIM Ranchi	94	17.3L	16.5L	35.5L	17.50L	399
IIM Bodhgaya	85	12.36L	12L	30.5L	16.28L	184
IIM Sirmaur	92	14.45L	13L	64.12L	17L	238
IIM Jammu	90	16.43L	15.25L	64L	18.85L	239
IIM Amritsar	85	16.51L	16L	20.57L	17.30L	228
IIM Kashipur	92	15.21L	14.82L	28.82L	17.3L	321
IIM Nagpur	85	16.74L	16.85L	64L	18.9L	236
IIM Mumbai	NA	25.01L	24.09L	49L	21L	471



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Colleges	Program Offered(MBA)
IIM Ahmedabad	PGP, PGP-FABM
IIM Amritsar	MBA, EMBA, MBA-Business Analytics, MBA-HRM
IIM Bangalore	PGP, PGPEM, PGPBA
IIM Bodh Gaya	PGP
IIM Calcutta	MBA
IIM Indore	PGP, PGP-HRM, FPM
IIM Jammu	PGP
IIM Kashipur	MBA, MBA (Analytics), MBA (WX)
IIM Kozhikode	PGP, PGP-BL, PGP-F, PGP-LSM
IIM Lucknow	PGP, PGP-ABM, PGP-SM, FPM
IIM Nagpur	PGP
IIM Raipur	PGP, FPM/ PhD
IIM Ranchi	PGP, PGP-HRM, PGP (Business Analytics)
IIM Rohtak	PGP, EGPX, Part-Time FPM
IIM Sambalpur	MBA
IIM Shillong	PGP, PGPEX, PGPWE
IIM Sirmaur	MBA, MBA (T&HM)
IIM Tiruchirappalli	PGPM, PGPM-HR, PGPBM, FPM
IIM Udaipur	MBA
IIM Visakhapatnam	PGP, PGPEX, PGPDGM
IIM Mumbai	MBA, MBA Sustainability Management, MBA Operations and Supply Chain Management
IIM Guwahati	MBA



**Dhruvsingh, CAT
99.2%ile**

I have been part of the catking family for a long time. They have not only helped me in developing the aptitude and knowledge to crack CAT but also guidance for what lies ahead. The Real Cat mocks are wonderful and very close to the actual cat. The faculty are very knowledgeable and make concepts easy to comprehend.



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Colleges	Program Offered(PhD)
IIM Ahmedabad	PhD
IIM Amritsar	PhD
IIM Bangalore	PhD
IIM Bodh Gaya	PhD (FPM)
IIM Calcutta	PhD
IIM Jammu	PhD
IIM Kashipur	PhD
IIM Kozhikode	PhD, PhD (PT)
IIM Nagpur	PhD

Colleges	Program Offered(PhD)
IIM Raipur	PhD
IIM Ranchi	PhD, EPhD
IIM Rohtak	PhD
IIM Sambalpur	PhD, E PhD
IIM Shillong	PhD, PhDWP
IIM Sirmaur	PhD
IIM Udaipur	PhD
IIM Visakhapatnam	PhD
IIM Mumbai	PhD

Colleges	Program Offered(Executive)
IIM Ahmedabad	ePGP
IIM Amritsar	EMBA
IIM Kashipur	EFPM
IIM Raipur	EFPM
IIM Ranchi	EPhD
IIM Rohtak	EPGPX, EPGDSM
IIM Shillong	PGPEX
IIM Tiruchirappalli	E-FPM
IIM Visakhapatnam	PGPEX

Real CAT 2026 Mocks Schedule

Mock Name	Release Date
Real CAT Mock 1	17 April 2026
Real CAT Mock 2	24 April 2026
Real CAT Mock 3	1 May 2026
Real CAT Mock 4	8 May 2026
Real CAT Mock 5	15 May 2026
Real CAT Mock 6	22 May 2026
Real CAT Mock 7	29 May 2026
Real CAT Mock 8	5 June 2026
Real CAT Mock 9	12 June 2026
Real CAT Mock 10	19 June 2026
Real CAT Mock 11	26 June 2026
Real CAT Mock 12	3 July 2026
Real CAT Mock 13	10 July 2026
Real CAT Mock 14	17 July 2026
Real CAT Mock 15	24 July 2026
Real CAT Mock 16	31 July 2026
Real CAT Mock 17	7 August 2026
Real CAT Mock 18	14 August 2026
Real CAT Mock 19	21 August 2026
Real CAT Mock 20	28 August 2026
Real CAT Mock 21	4 September 2026
Real CAT Mock 22	11 September 2026
Real CAT Mock 23	18 September 2026
Real CAT Mock 24	25 September 2026
Real CAT Mock 25	2 October 2026
Real CAT Mock 26	9 October 2026
Real CAT Mock 27	16 October 2026
Real CAT Mock 28	23 October 2026
Real CAT Mock 29	30 October 2026
Real CAT Mock 30	6 November 2026

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CAT Sample Questions with Solutions

Quantitative Ability

Q1. A mixture of coffee and cocoa, 16% of which is coffee, costs Rs 240 per kg. Another mixture of coffee and cocoa, of which 36% is coffee, costs Rs 320 per kg. If a new mixture of coffee and cocoa costs Rs 376 per kg, then the quantity, in kg, of coffee in 10 kg of this new mixture is

1. 4
2. 6
3. 2.5
4. 5

(CAT 2025 Slot 2)

Answer: 4

Q2. In a $\triangle ABC$, points D and E are on the sides BC and AC, respectively. BE and AD intersect at point T such that $AD:AT=4:3$, and $BE:BT=5:4$. Point F lies on AC such that DF is parallel to BE. Then, $BD:CD$ is

1. 9:4
2. 15:4
3. 11:4
4. 7:4

(CAT 2025 Slot 2)

Answer: 3

Q3. If $\log 64x^2 + \log 8\sqrt{y} + 3\log 512(z\sqrt{y}) = 4$, where x, y and z are positive real numbers, then the minimum possible value of $(x+y+z)$ is

1. 96
2. 48
3. 36
4. 24

(CAT 2025 Slot 2)

Answer: 2

Know more about How to improve Quants from Zero

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**Manav, CAT
99.47%ile**

From scoring 45 marks in my first mock to achieving 99.47 in the actual CAT, the Catking dashboard has been my constant companion. I vividly recall the live mock analysis videos where Shudhanshu sir would solve questions and exclaim, "Kya 10 questions nahi ban sakte the isme" for each section. This mantra stuck with me, proving especially beneficial in the Quant section. The strategies discussed in the live lectures were invaluable. Sumit sir's advice to read Aeon essays was a game-changer.





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Verbal Ability and Reading Comprehension

Q1. Five jumbled sentences (labelled 1, 2, 3, 4, and 5), related to a topic, are given below. Four of them can be put together to form a coherent paragraph. Identify the odd sentence out and key in the number of that sentence as your answer.

1. Sporting a copper-coloured pixie cut and a pair of pink feather antlers, Torres himself resembles a child's doodle.
2. His casual millennial delivery, peppered with "um"s and "ah"s, makes surreal concepts sound like items on a brunch menu.
3. Though he may have failed so far in his colour-scouting mission (he hasn't yet found a new one, he admits), this hour leaves you tickled pink.
4. Like his previous show, *My Favourite Shapes*, this is an hour of sit-down comedy aided by an overhead camera which relays Torres's theories – illustrated with crayon squiggles – on to a screen behind him.
5. His inquisitive mind produces interconnected ideas about Catholicism, the blandness of Pixar and what orange sounds like, while his insights train us to spot "highly purple behaviour".

(CAT 2025 Slot 2)

Answer: 3

All sentences except 3 describe the sit-down comedy show featuring Torres. Sentence 3 talks of Torres' failure in his 'colour-scouting mission', which is unrelated to the other 4 sentences.

If we were to order the sentences in a paragraph, sentence 4 would go first, as it sets the context. 4 talks about the hour-long sit-down comedy show featuring Torres. The best sentence to follow this would be 1, which describes Torres' appearance. Both sentences 5 and 2 describe Torres' ideas. 4152 is a cogent paragraph. 3 is the odd one out.

Q2. The four sentences (labelled 1, 2, 3, and 4) given below, when properly sequenced, would yield a coherent paragraph. Decide on the proper sequencing of the order of the sentences and key in the sequence of the four numbers as your answer.

1. As books age, the cellulose and lignin in the paper begin to break down, releasing a mix of volatile organic compounds into the air.
2. Old books carry a scent that many people instantly recognize—and even love.
3. These compounds are benzaldehyde, which gives off an almond-like scent, vanillin, which smells like vanilla, ethyl hexanol (floral scent), toluene (sweet), and furfural (which has a slightly bready scent).
4. This familiar aroma isn't just dust or mildew; it's actually a result of slow chemical changes happening inside the paper and ink.

(CAT 2025 Slot 2)

Answer: 2413

2 is the best sentence to start the paragraph, as it states the main idea. 21 is a link: 2 says old books carry a scent people love; 1 explains what the smell is due to slow chemical changes in the paper and ink. 1 and 3 explain how these chemical changes take place. 2413 is the correct order.
The answer is '2413'





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Q3. The passage given below is followed by four summaries. Choose the option that best captures the essence of the passage.

In 1903, left-wing feminist Elizabeth Magie invented The Landlord's Game, the original version of what became Monopoly. It was designed as a powerful teaching tool to illustrate the dangers of monopolies and how wealth could concentrate in the hands of a few. The game featured a circular path, properties, and a "Go to Jail" space. Magie created two rule sets: one "monopolist" version where players crushed opponents through accumulation, and another, more radical "Prosperity" version, where everyone shared in the wealth, promoting fairness and equity. Years later, unemployed Charles Darrow sold a simplified version to Parker Brothers. They paid Magie only \$500 for her patent—without royalties—and credited Darrow as the sole inventor. For decades, his tale of inventing the game in his basement remained the official story, while Magie's name and her original, anti-capitalist message were left in the shadows.

1. Parker Brothers' capitalist intent led to them acquiring from Charles Darrow a simplified version of Elizabeth Magie's original game, transforming it into a widespread commercial success while providing her only minimal financial compensation and granting scant public recognition.
2. Celebrated icons of the gaming industry, Charles Darrow and Parker Brothers, snatched the feminist icon Elizabeth Magie's original design and transformed Monopoly into a worldwide phenomenon, while barely acknowledging her.
3. It is ironical that a left-wing feminist lost credit for the Landlord's Game to an unemployed man, who plagiarised and sold one version of the twin game to Parker Brothers for a meagre sum, denying her royalties.
4. Only one version of Monopoly became famous because of Charles Darrow's relentless basement work, carefully refining Elizabeth Magie's original idea into an engaging and entertaining pastime that he successfully patented and sold, symbolizing what many regarded as the ultimate triumph of individual ingenuity.

Answer: 3

The paragraph explains that a left-wing feminist, Elizabeth Magie, invented the original version of Monopoly as a twin game with an anti-capitalist message. However, an unemployed man who sold a simplified version of her game without the underlying message got credit for it. Option 3 touches upon all key points.

Option 1 is easily ruled out. The paragraph does not talk about the Parker Brothers' capitalist intent.

Option 2 incorrectly calls Charles Darrow and Parker Brothers 'celebrated icons'. So, this option is ruled out too.

Option 3 is also incorrect. Darrow did not do relentless work to refine Magie's game.

(CAT 2025 Slot 2)

Know more about how to improve your Verbal Ability

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Data Interpretation and Logical Reasoning

There are six spherical balls, B1, B2, B3, B4, B5, and B6, and four circular hoops H1, H2, H3, and H4.

Each ball was tested on each hoop once, by attempting to pass the ball through the hoop. If the diameter of a ball is not larger than the diameter of the hoop, the ball passes through the hoop and makes a "ping". Any ball having a diameter larger than that of the hoop gets stuck on that hoop and does not make a ping.

The following additional information is known:

1. B1 and B6 each made a ping on H4, but B5 did not.
2. B4 made a ping on H3, but B1 did not.
3. All balls, except B3, made pings on H1.
4. None of the balls, except B2, made a ping on H2.

What was the total number of pings made by B1, B2, and B3?

Answer: 6

Let us try to arrange the hoops and the spheres in increasing order of their diameter according to the information given,

In clue 1, we are given that B1 and B6 made a ping on H4, and B5 did not.

So, we can definitely say that,

$$(B1, B6) < H4 < B5 \text{ --- (1)}$$

In clue 2, we are given that B4 made a ping on H3, but B1 did not.

So, we can definitely say that,

$$B4 < H3 < B1 \text{ --- (2)}$$

In clue 3, we are given that all balls, except B3, made pings on H1.

So, we can definitely say that,

$$(B1, B2, B4, B5, B6) < H1 < B3 \text{ --- (3)}$$

In clue 4, we are given that none of the balls, except B2, made a ping on H2.

So, we can definitely say that,

$$B2 < H2 < (B1, B3, B4, B5, B6) \text{ --- (4)}$$

Combining (1) and (2), we can definitely say that

Online

$$B4 < H3 < B1 < H4 < B5 \text{ --- (5)}$$

The only ball that we do not have enough information is about B6, as it can be either less than

H3 or greater than H3 and less than H4.

Combining (3), (4) and (5), we get,

$$B2 < H2 < B4 < H3 < B1 < H4 < B5 < H1 < B3$$

The sphere B6 can be placed in 2 positions, giving us two possible inequalities, which are

$$B2 < H2 < (B4, B6) < H3 < B1 < H4 < B5 < H1 < B3$$

$$B2 < H2 < B4 < H3 < (B1, B6) < H4 < B5 < H1 < B3$$

The position of B6 is not clear, and except for that, all the positions are fixed

Pings made by B1 = H4, H1 = 2

Pings made by B2 = H2, H3, H4, H1 = 4

Pings made by B3 = 0

Total number of pings by B1, B2 and B3 = 2 + 4 + 0 = 6.

Hence, the correct answer is 6

(CAT 2025 Slot 2)



All the Best!

