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$$\begin{array}{l} \triangle A_1 A_2 A_3 + \triangle A_2 A_3 A_4 + \triangle A_3 A_4 A_5 + \triangle A_4 A_5 A_6 + \triangle A_5 A_6 A_7 \\ + \triangle A_6 A_7 A_8 + \triangle A_7 A_8 A_9 + \triangle A_8 A_9 A_{10} + \triangle A_9 A_{10} A_{11} + \triangle A_{10} A_{11} A_{12} \end{array}$$

$\begin{array}{ccccccc} \triangle & \nabla & \triangle & \triangle & \triangle & + & \triangle \\ + & \triangle & \triangle & \nabla & \triangle & \triangle & \triangle \\ \triangle & \triangle & \nabla & \triangle & \triangle & \triangle & \triangle \\ \triangle & \triangle & \triangle & \triangle & \triangle & \triangle & \triangle \end{array}$


























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$\triangle A \cdot$   $A \cdot \triangle A$   $\triangle A +$   $A \cdot \triangle A$   $\triangle A \cdot \triangle A$   $\triangle A +$   $A \cdot \triangle A$   $\triangle A \cdot \triangle A$   $\triangle A +$   $A \cdot \triangle A$

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$\frac{1}{x} + \frac{x}{y^2} - \frac{x}{z} = \frac{xy^2 - x^2z + y^2}{xyz}$

The diagrams show the following steps:

- $18 \div 12 = 1$  remainder  $6$
- $12 \div 6 = 2$  remainder  $0$
- The GCD is  $6$ .

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$\vdash \Delta \rightarrow \Delta$

The diagrams illustrate the steps of the Euclidean algorithm for finding the GCD of 12 and 18. The steps are as follows:

- Initial numbers: 12 and 18.
- Divide 18 by 12, remainder 6.
- Divide 12 by 6, remainder 0.
- Divide 6 by 6, remainder 0.
- Final GCD: 6.

The diagrams show the following steps:

- $18 \div 12 = 1$  remainder  $6$
- $12 \div 6 = 2$  remainder  $0$
- $6 \div 6 = 1$  remainder  $0$

The GCD is 6.

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The sequence of diagrams illustrates the construction of a triangle with two equal sides and one equal angle. The steps are as follows:

- Diagram 1: A horizontal line segment is drawn.
- Diagram 2: A point is marked at one end of the line segment.
- Diagram 3: A line segment is drawn from the marked point, forming an angle with the base.
- Diagram 4: A line segment is drawn from the other end of the base, forming an angle with the base.
- Diagram 5: A line segment is drawn from the marked point, forming an angle with the base.
- Diagram 6: A line segment is drawn from the other end of the base, forming an angle with the base.
- Diagram 7: A line segment is drawn from the marked point, forming an angle with the base.
- Diagram 8: A line segment is drawn from the other end of the base, forming an angle with the base.
- Diagram 9: A line segment is drawn from the marked point, forming an angle with the base.
- Diagram 10: A line segment is drawn from the other end of the base, forming an angle with the base.
- Diagram 11: A line segment is drawn from the marked point, forming an angle with the base.
- Diagram 12: A line segment is drawn from the other end of the base, forming an angle with the base.






























The diagrams show the steps of the Euclidean algorithm for finding the GCD of 12 and 18. The steps are as follows:

- 18 divided by 12, remainder 6.
- 12 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.

The GCD is 6.
































The diagrams show the following steps:

- 18 divided by 12, remainder 6.
- 12 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.

The final result is 6.

The diagrams illustrate the steps of the Euclidean algorithm for finding the greatest common divisor (GCD) of 15 and 12. The steps are as follows:

- Initial numbers: 15 and 12.
- Division of 15 by 12, resulting in a quotient of 1 and a remainder of 3.
- Replacement of 15 with 12 and 12 with 3.
- Division of 12 by 3, resulting in a quotient of 4 and a remainder of 0.
- Replacement of 12 with 3 and 3 with 0.
- Final result: The GCD is 3.

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A collection of 20 small geometric figures arranged in three rows. The first row has 6 figures, the second row has 7 figures, and the third row has 7 figures. Each figure is composed of simple shapes like triangles, squares, circles, and lines, often with dots or arrows indicating specific features or transformations.

[illegible]

$\triangle A \cdot + + A \triangle A \cdot A \triangle + A \triangle A \triangle A \triangle A \cdot + + A$   
 $A \triangle A \cdot A \cdot A \cdot + A \triangle A \cdot A \triangle + A \triangle A \triangle A \cdot A \cdot A \cdot A \triangle A \cdot A \triangle A \cdot A \cdot + A$   
 $A \triangle A \cdot A \triangle + A \cdot A \triangle A \cdot + A \cdot A \cdot + \triangle A \cdot$   
 $A \triangle + A \cdot \triangle A \triangle A \cdot \triangle A \triangle A \cdot A \triangle A \cdot A \triangle A \cdot A \triangle A \cdot A \triangle A \cdot + A \triangle$

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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

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