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mathematics, we tend to equate two items or expressions when we show the equality between the two expressions. The equal sign in math is a sign that shows the equality between two expressions. In simple words, the meaning of equal sign is that there is an equality between the values, or expressions written on both the sides. The symbol that represents the equal sign is given by two small parallel horizontal lines. The symbol "=" represents that the expression that is on the left side of the sign is exactly the same amount or value of the expression that is on the right side of the sign. We place an equal sign between two things that are the same or equal. For example: If it is written $2 + 2 = 4$, it means that $2 + 2$ is equal to 4\$. $\$1 = 10$ cents, which means that 1 dollar is equivalent to 10 times. The History of the Equal Sign Robert Recorde, a Welsh physician and mathematician, invented the equal sign (=) and also introduced the pre-existing plus sign (+) to English speakers in 1557. More Worksheets An equation is a statement of equality between two mathematical expressions that contains variables and constants. In every equation, the expression given on the left-hand side (LHS) is equal to the expression given on the right-hand side (RHS). For example: $5 + 3 = 8$ This means that the LHS is $5 + 3$ and it is equal to the RHS, which is 8. If we have an equation $2x + 3 = 7$, it means that $2x + 3$, i.e., the expression given on LHS is equal to 8, i.e., the expression given on RHS. Then we can deduce that $2x = 2$. The amount or quantity or length of any object is shown by measurement. For example, Oliver is given the task of measuring the length of a spoon. He uses a centimeter scale to measure the length of the spoon. He finds that the length of the spoon is 10 cm. The equality between two fractions means that they are equivalent fractions or that they are equal fractions. For example, $\frac{1}{2}$ and $\frac{2}{4}$ are equivalent fractions. The equality between two whole numbers means that they are equal whole numbers. For example, $10 = 10$. The equality between two decimal numbers means that they are equal decimal numbers. For example, $1.0 = 1.0$. The equality between two algebraic expressions means that they are equal algebraic expressions. For example, $x + 2 = x + 2$. The equality between two geometric figures means that they are equal geometric figures. For example, two equal triangles. The equality between two sets means that they are equal sets. For example, $\{1, 2, 3\} = \{1, 2, 3\}$. The equality between two functions means that they are equal functions. For example, $f(x) = f(x)$. The equality between two matrices means that they are equal matrices. For example, $A = A$. The equality between two vectors means that they are equal vectors. For example, $\vec{a} = \vec{a}$. The equality between two scalars means that they are equal scalars. For example, $1 = 1$. The equality between two complex numbers means that they are equal complex numbers. For example, $1 + 2i = 1 + 2i$. The equality between two quaternions means that they are equal quaternions. For example, $1 + 2i + 3j + 4k = 1 + 2i + 3j + 4k$. The equality between two octonions means that they are equal octonions. For example, $1 + 2i + 3j + 4k + 5l + 6m + 7n + 8o = 1 + 2i + 3j + 4k + 5l + 6m + 7n + 8o$. The equality between two sedenions means that they are equal sedenions. For example, $1 + 2i + 3j + 4k + 5l + 6m + 7n + 8o + 9p + 10q + 11r + 12s + 13t + 14u + 15v + 16w + 17x + 18y + 19z + 20aa + 21bb + 22cc + 23dd + 24ee + 25ff + 26gg + 27hh + 28ii + 29jj + 30kk + 31ll + 32mm + 33nn + 34oo + 35pp + 36qq + 37rr + 38ss + 39tt + 40uu + 41vv + 42ww + 43xx + 44yy + 45zz + 46aa + 47bb + 48cc + 49dd + 50ee + 51ff + 52gg + 53hh + 54ii + 55jj + 56kk + 57ll + 58mm + 59nn + 60oo + 61pp + 62qq + 63rr + 64ss + 65tt + 66uu + 67vv + 68ww + 69xx + 70yy + 71zz + 72aa + 73bb + 74cc + 75dd + 76ee + 77ff + 78gg + 79hh + 80ii + 81jj + 82kk + 83ll + 84mm + 85nn + 86oo + 87pp + 88qq + 89rr + 90ss + 91tt + 92uu + 93vv + 94ww + 95xx + 96yy + 97zz + 98aa + 99bb + 100cc + 101dd + 102ee + 103ff + 104gg + 105hh + 106ii + 107jj + 108kk + 109ll + 110mm + 111nn + 112oo + 113pp + 114qq + 115rr + 116ss + 117tt + 118uu + 119vv + 120ww + 121xx + 122yy + 123zz + 124aa + 125bb + 126cc + 127dd + 128ee + 129ff + 130gg + 131hh + 132ii + 133jj + 134kk + 135ll + 136mm + 137nn + 138oo + 139pp + 140qq + 141rr + 142ss + 143tt + 144uu + 145vv + 146ww + 147xx + 148yy + 149zz + 150aa + 151bb + 152cc + 153dd + 154ee + 155ff + 156gg + 157hh + 158ii + 159jj + 160kk + 161ll + 162mm + 163nn + 164oo + 165pp + 166qq + 167rr + 168ss + 169tt + 170uu + 171vv + 172ww + 173xx + 174yy + 175zz + 176aa + 177bb + 178cc + 179dd + 180ee + 181ff + 182gg + 183hh + 184ii + 185jj + 186kk + 187ll + 188mm + 189nn + 190oo + 191pp + 192qq + 193rr + 194ss + 195tt + 196uu + 197vv + 198ww + 199xx + 200yy + 201zz + 202aa + 203bb + 204cc + 205dd + 206ee + 207ff + 208gg + 209hh + 210ii + 211jj + 212kk + 213ll + 214mm + 215nn + 216oo + 217pp + 218qq + 219rr + 220ss + 221tt + 222uu + 223vv + 224ww + 225xx + 226yy + 227zz + 228aa + 229bb + 230cc + 231dd + 232ee + 233ff + 234gg + 235hh + 236ii + 237jj + 238kk + 239ll + 240mm + 241nn + 242oo + 243pp + 244qq + 245rr + 246ss + 247tt + 248uu + 249vv + 250ww + 251xx + 252yy + 253zz + 254aa + 255bb + 256cc + 257dd + 258ee + 259ff + 260gg + 261hh + 262ii + 263jj + 264kk + 265ll + 266mm + 267nn + 268oo + 269pp + 270qq + 271rr + 272ss + 273tt + 274uu + 275vv + 276ww + 277xx + 278yy + 279zz + 280aa + 281bb + 282cc + 283dd + 284ee + 285ff + 286gg + 287hh + 288ii + 289jj + 290kk + 291ll + 292mm + 293nn + 294oo + 295pp + 296qq + 297rr + 298ss + 299tt + 300uu + 301vv + 302ww + 303xx + 304yy + 305zz + 306aa + 307bb + 308cc + 309dd + 310ee + 311ff + 312gg + 313hh + 314ii + 315jj + 316kk + 317ll + 318mm + 319nn + 320oo + 321pp + 322qq + 323rr + 324ss + 325tt + 326uu + 327vv + 328ww + 329xx + 330yy + 331zz + 332aa + 333bb + 334cc + 335dd + 336ee + 337ff + 338gg + 339hh + 340ii + 341jj + 342kk + 343ll + 344mm + 345nn + 346oo + 347pp + 348qq + 349rr + 350ss + 351tt + 352uu + 353vv + 354ww + 355xx + 356yy + 357zz + 358aa + 359bb + 360cc + 361dd + 362ee + 363ff + 364gg + 365hh + 366ii + 367jj + 368kk + 369ll + 370mm + 371nn + 372oo + 373pp + 374qq + 375rr + 376ss + 377tt + 378uu + 379vv + 380ww + 381xx + 382yy + 383zz + 384aa + 385bb + 386cc + 387dd + 388ee + 389ff + 390gg + 391hh + 392ii + 393jj + 394kk + 395ll + 396mm + 397nn + 398oo + 399pp + 400qq + 401rr + 402ss + 403tt + 404uu + 405vv + 406ww + 407xx + 408yy + 409zz + 410aa + 411bb + 412cc + 413dd + 414ee + 415ff + 416gg + 417hh + 418ii + 419jj + 420kk + 421ll + 422mm + 423nn + 424oo + 425pp + 426qq + 427rr + 428ss + 429tt + 430uu + 431vv + 432ww + 433xx + 434yy + 435zz + 436aa + 437bb + 438cc + 439dd + 440ee + 441ff + 442gg + 443hh + 444ii + 445jj + 446kk + 447ll + 448mm + 449nn + 450oo + 451pp + 452qq + 453rr + 454ss + 455tt + 456uu + 457vv + 458ww + 459xx + 460yy + 461zz + 462aa + 463bb + 464cc + 465dd + 466ee + 467ff + 468gg + 469hh + 470ii + 471jj + 472kk + 473ll + 474mm + 475nn + 476oo + 477pp + 478qq + 479rr + 480ss + 481tt + 482uu + 483vv + 484ww + 485xx + 486yy + 487zz + 488aa + 489bb + 490cc + 491dd + 492ee + 493ff + 494gg + 495hh + 496ii + 497jj + 498kk + 499ll + 500mm + 501nn + 502oo + 503pp + 504qq + 505rr + 506ss + 507tt + 508uu + 509vv + 510ww + 511xx + 512yy + 513zz + 514aa + 515bb + 516cc + 517dd + 518ee + 519ff + 520gg + 521hh + 522ii + 523jj + 524kk + 525ll + 526mm + 527nn + 528oo + 529pp + 530qq + 531rr + 532ss + 533tt + 534uu + 535vv + 536ww + 537xx + 538yy +$