

| | |
|----|--|
| 0 | The intercept of the linear function $y=x$ |
| 1 | 1.8792388123^0 |
| 2 | The common factor of 2 and 38. |
| 3 | $\sqrt[3]{(27)}$ |
| 4 | $8^{2/3}$ |
| 5 | $125^{1/3}$ |
| 6 | $x^{34} = 2.8651 * 10^{26}$ |
| 7 | $5x + 3 = 3x + 17$ |
| 8 | $2^6 \times 2^{-3}$ |
| 9 | Find the area of a triangle with base 3 and height $\frac{18}{3}$ |
| 10 | $3x + y = 7$ $5x + y = 5$, solve for y |
| 11 | $\sqrt{121}$ |
| 12 | 70 % of 17, rounded up |
| 13 | State the difference for the arithmetic sequence: 4,17,30,43,56 |
| 14 | Area of a trapezium with height 4 and sides 2 and 5 |
| 15 | What is the common factor of 30 and 105? |
| 16 | Area of a parallelogram with base 4 and height 4 |
| 17 | The prime number after 13 |
| 18 | The volume of a cube with sides 2,3 and 3 |
| 19 | Solve the inequality $3x - 8 \leq 30 + x$ |
| 20 | Area of a circle with radius 2.531, rounded up |
| 21 | Base of a triangle with height 9 and area 94.5 |
| 22 | Height of a triangle with base 4 and area 44 |
| 23 | $p = 5, q = 2, r = -4, 3p + 4q$ |
| 24 | Solve for x, $\frac{1}{2}x = 12$ |
| 25 | Reciprocal of $\frac{1}{25}$ |
| 26 | Circumference of a circle with a diameter 8.2760, rounded up |
| 27 | 3^3 |
| 28 | Solve for y, $\frac{y+8}{4} = 9$ |
| 29 | $\frac{5x(20+9)}{\frac{1}{5}x(32-7)} = \frac{145}{5}$ |
| 30 | $p = 5, q = 2, r = -4, pq - 5r$ |
| 31 | Triangle-ABC, A=140, B=49,C? |
| 32 | Quadrilateral - ABCD, A=80,B=101,C=147,D? |
| 33 | One side of a triangle is 11 and the triangle is enlarged by a factor of 9, how long is the side of the new triangle |
| 34 | $(2 + 7)^2 + (3 + 3)(9 - 2) - 5$ |
| 35 | $x = 4, y = -1, z = 3, p = 5, \frac{3(x+2z)^2 + 2p^2}{10}$ |
| 36 | The area of a square with side length 6 |
| 37 | 38% of 98, rounded down |
| 38 | $162 = 4x + 10$ |
| 39 | $\frac{12^2 + 9^2 + 3}{4(\frac{7-3}{2+2})}$ |
| 40 | Volume of a cube with sides, 5,4,2 |
| 41 | The prime number after 37 |
| 42 | Find the circumference of a circle with radius 6.6845 |
| 43 | The prime number after 41 |
| 44 | Find x, $\frac{3}{4}x + 11 = 44$ |
| 45 | The area of a rectangle with sides 9 and 5 |
| 46 | Simplify the expression and what is the power? $\frac{x^{100}}{x^{37}} \cdot \frac{x^3 \cdot x^5}{x^{21}} \cdot \frac{1}{x^4}$ |
| 47 | The prime number after 43 |
| 48 | $(x^8)^6$, what index does x have? |
| 49 | 7^2 |
| 50 | $p = 5, q = 2, r = -4, 2p^2$ |

$$A_{triangle} = \frac{1}{2}bh \quad (1)$$

$$A_{Trapezium} = \frac{1}{2}(a + b)h \quad (2)$$

$$A_{Parallelogram} = bh \quad (3)$$

$$V_{cuboid} = a \cdot b \cdot c \quad (4)$$

$$C_{circle} = \pi \cdot d = 2 \cdot \pi \cdot r \quad (5)$$

$$A_{circle} = \pi \cdot r^2 \quad (6)$$

$$A_{square} = a^2 \quad (7)$$