

**CHRISTMAS SCIENCE BY NUMBERS AND PICTURES QUIZ 2022**  
**ANSWERS**

1. Add the atomic number of Chromium to the number of legs on half a dozen drosophila and divide by the number of volts in an AAA battery.

$$24 + 36 = 60 / 1.5 = 40$$

2. Multiply the number of colours in a rainbow by the number of planets in the solar system. Add the square route of 144 and divide by a quarter.

$$7 \times 8 = 56 + 12 = 68 / \frac{1}{4} = 272$$

3. What small instrument are we looking for here?

**CEPS,CEPS,CEPS,CEPS**

**FORCEPS**

4. Starting with the degrees at southeast, multiply by the number of atoms in water and then subtract four cubed. Total the individual numbers to get to your answer.

$$135 \times 3 = 405 - 64 = 341. \quad 3 + 4 + 1 = 8$$

5. Take the number of seconds in a day and divide by the number of legs on ten arachnoids. Half this amount and divide by the degrees in a right angle.

$$86400 / 80 = 1080 / 2 = 540 / 90 = 6$$

6. A snappy semiaquatic fastener (9,4) – what component am I?

**CROCODILE CLIP**

7. Take the sum of the internal angles of a triangle and divide by the voltage of a PP3 battery. Multiply by the roman numeral V and add the atomic number of the metal that Marie Curie discovered.

$$180 / 9 = 20 \times 5 = 100 + 88 = 188$$

8. Rearranged, this study covers a “big roomy coli” (12)

**MICROBIOLOGY**

9. A more sustainable way to have pure water. What am I?

**SISOMSO**

**REVERSE OSMOSIS**

10. Start with the year MCMLXXVI and deduct the number of sheets in a ream of paper. Divide by the sides of a dodecagon and subtract the number of pairs of chromosomes in the human body. What are you left with expressed back as a roman numeral?

$$1976 - 500 = 1476 / 12 = 123 - 23 = 100. \quad 100 = C$$

11. Small wave on an armoured vehicle (6,4) - What am I better known as?

**RIPPLE TANK**

12. According to the song “The twelve days of Christmas” in total, how many individual presents had my true love sent to me after the twelve days?

$$1 + 3 + 6 + 10 + 15 + 21 + 28 + 36 + 45 + 55 + 66 + 78 = 364$$