

Term 1 What is the result of ADDING or SUBTRACTING and ODD with an EVEN (or an EVEN with an ODD)?	Definition 1 ODD e.g. $7 + 8 = 15$ e.g. $13 - 2 = 11$
Term 2 What is the result of ADDING 2 Odds or 2 Evens?	Definition 2 EVEN e.g. $7 + 11 = 18$ e.g. $8 + 6 = 14$
Term 3 When MULTIPLYING integers, if ANY integer is even, what is the result - (odd/even)?	Definition 3 EVEN

Term 4 When MULTIPLYING integers, if NO integer is even, what is the result - (odd/even)?	Definition 4 ODD
Term 5 Multiplying several EVEN integers together results in higher and higher powers of ...?	Definition 5 2 Because each even number will contribute at LEAST one 2 to the factors of the product
Term 6 If there are 3 EVEN integers in a set of integers being multiplied together, what is the result divisible by (in terms of power/base)?	Definition 6 $2^3 = 8$ e.g. $2 \times 5 \times 6 \times 10 = 600$ E x O x E x E = div. by 2^3

Term 7 ODD +/- <u> </u> = ODD	Definition 7 EVEN
Term 8 ODD +/- ? = EVEN	Definition 8 ODD e.g. $3 + 5 = 8$ e.g. $13 + 19 = 32$
Term 9 EVEN +/- EVEN = ?	Definition 9 EVEN e.g. $10 + 20 = 30$ e.g. $2 + 6 = 8$

Term 10 ODD x ODD = ?	Definition 10 ODD e.g. $3 \times 3 = 9$ e.g. $5 \times 11 = 55$ e.g. $9 \times 3 = 27$
Term 11 EVEN X EVEN = ? ... and is div. by ?	Definition 11 EVEN div. by 4
Term 12 ODD x ? = EVEN	Definition 12 EVEN

Term 13 Consecutive Integers alternate between ____ and ____ ?	Definition 13 EVEN and ODD e.g. 2, 3, 4, 5, 6, 7 E,O,E,O,E
Term 14 EVEN / EVEN = ?	Definition 14 EVEN, ODD or NON-INT e.g. $12/2 = 6$ e.g. $12/4 = 3$ e.g. $12/8 = 1.5$
Term 15 EVEN / ODD = ?	Definition 15 EVEN or NON-INT e.g. $12/3 = 4$ e.g. $12/5 = 2.4$

Term 16 ODD / EVEN = ?	Definition 16 NON-INT e.g. $9/6 = 1.5$
Term 17 ODD / ODD = ?	Definition 17 ODD or NON-INT e.g. $15/5 = 3$ e.g. $15/25 = 0.6$
Term 18 What is the only EVEN prime number?	Definition 18 2

Term 19 How many EVEN primes are there?	Definition 19 ONE... the number 2
Term 20 An ODD number divided by ANY OTHER INTEGER can produce an EVEN integer? TRUE or FALSE	Definition 20 FALSE An ODD number divided by ANY OTHER INTEGER can NEVER produce an EVEN integer !
Term 21 An ODD number divided by an EVEN integer CANNOT produce an integer. TRUE or FALSE?	Definition 21 TRUE An ODD number divided by an EVEN integer CANNOT produce an integer. This is because the odd number will NEVER be divisible by the factor of 2 concealed within the EVEN number.

Term 22 x and y are primes... What value must x or y be for $x + y = \text{ODD}$?	Definition 22 x or y must be 2 (EVEN + ODD = ODD)
Term 23 x and y are primes... What values (ODD/EVEN) must x and y be for $x + y = \text{ODD}$?	Definition 23 ODD
Term 24 A sum of 2 primes is ODD ... One of those primes must be the number ___ ?	Definition 24 2

Term 25 A sum of 2 primes is EVEN ... Is 2 one of the primes?	Definition 25 NO
Term 26 A sum of 2 primes is ODD ... Is 2 one of the primes?	Definition 26 YES (E x O = O)
Term 27 How many EVEN primes are there?	Definition 27 ONE only. The number 2.

Term 28

**For there to be X unique factors of X ,
what must be true?**

Definition 28

**EVERY integer between 1 and X ,
inclusive, must be a factor of X**

Term 29**Definition 29****Term 30****Definition 30**