

Maths

ew

5 July 2021

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Playing with numbers

1. Fill in the blanks:

(i) on dividing 9 by 7, quotient = 1
and remainder = 2

(ii) on dividing 18 by 6 quotient = 3 and
remainder = 0

(iii) ^{divisor} factor of a number is exact of number

(iv) Every number is a factor of itself.

(v) Every number is a multiple of itself.

(vi) for every number, its factors are ^{finite} ~~more~~ and its
multiples are infinite.

(vii) x is a factor of y , then y is a multiple of x .

2. write all the factors of:

(i) $16 \rightarrow 1, 2, 4, 8$ and 16 .

(ii) $21 \rightarrow 1, 3, 7$ and 21 .

(iii) $39 \rightarrow 1, 3, 13$ and 39 .

(iv) $48 \rightarrow 1, 2, 3, 4, 6, 8, 12, 16, 24$ and 48 .

(v) $64 \rightarrow 1, 2, 4, 8, 16, 32$ and 64 .

(vi) $98 \rightarrow 1, 2, 7, 14, 49$ and 98

(vii) 3. write the first six multiples-

(i) $4 \rightarrow 4, 8, 12, 16, 20$ and 24

(ii) $9 \rightarrow 9, 18, 27, 36, 45$ and 54

(iii) $11 \rightarrow 11, 22, 33, 44, 55$ and 66

(iv) $15 \rightarrow 15, 30, 45, 60, 75$, and 90

(v) $18 \rightarrow 18, 36, 54, 72, 90$ and 108

(vi) $16 \rightarrow 16, 32, 48, 64, 80$ and 96

(viii) 4. The product of 2 numbers is 36 and their sum is 13. find the numbers.

ans- since, $36 = 36 \times 1, 2 \times 18, 3 \times 12, 4 \times 9, 6 \times 6$. clearly numbers $\rightarrow 4$ and $9 = 4 \times 9 = 36$
 $4 + 9 = 13$.

5. The product of 2 numbers is 48 and their sum is 16. find the numbers.

~~2~~ $48 \times 1 = 48, 2 \times 24 = 48, 3 \times 16 = 48, 4 \times 12 = 48$
clearly numbers = $4 + 12 = 16$.

Q. write 2 numbers which differ by 3 and whose product is 54.

ans = 4 and 12

7. without making any actual division show that 7007 is divisible by 7.

ans = $7007 = 7000 + 7$
 $= 7 \times (1000 + 1) = 7 \times 1001$
clearly, 7007 is divisible by 7.

Parents sign

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5.7.2021