

Holiday Homework (2026)

Sub : Maths

Class: 7th

*Learn and write table 2 to 20 (10 Times)

Q1 A student multiplied 5238 by 75 instead of multiplying by 57 . How much was his answer greater than the correct answer ?

Q2 what is the minimum and maximum number of digits in the sum of any two four digit numbers ?

Q3 I am a three digit number . I am less than 500 . I am greater than 200 . All my digits are odd. If you take each of my three digits and add them together they equal 5 . what number am I ?

Q4 **CASE STUDY**

Aman bought 100 kg of rice and packed it in 5 kg packets. He already had 4 packets from before. He wrote the expression $4 + 100 \div 5$ to calculate the total number of 5 kg packets.

1. What is the total number of packets Raghu has now?

- (a) 20
- (b) 24
- (c) 100
- (d) 104

2. Identify the terms in the expression $4 + 100 \div 5$

- (a) 4 and 100
- (b) 4 and 5
- (c) 4 and 20
- (d) 4 and $100 \div 5$

3. Which property allows evaluation of $100 \div 5$ before adding 4?

- (a) Associative property
- (b) Distributive property
- (c) Commutative property
- (d) Order of operations (BODMAS)

4. If Aman packs rice in 2 kg packets instead, how many new packets will he get from 100 kg?

- (a) 50
- (b) 24
- (c) 60
- (d) 100

Q5 Write the terms in each of the sets of expressions below .

(i) $39 - 2 \times 6 + 11$

(ii) $23 \times 48 - 35 \div 7 + 3 \times 3$

Q6 Find the value of $[18 - (3 \times 4)]^2 \div 6$.

Q7 Write the following decimal in expanded form : 0.31 , 0.024 , 0.135 .

Q8 Rakesh wants to buy a book worth ₹475 . He has only ₹399 and 50 paise . How much money does he need more to buy the book ?

Q9 Without repeating any digit , write the smallest and largest possible 5- digit numbers having 7 in tens place .

Q10 Find an effective way of evaluating

(a) 104×32 (b) 97×29

Q11 : Find the parity of the total number of small squares in these grids .

(a) 32×40 (b) 167×189

Q12 In a 6×6 checker grid filled with alternating odd and even numbers if all even numbered squares are added , what is the parity of the sum ?

Q13 You are arranging 6 chairs in a line for a party . How many different way can you seat them if only odd numbered chairs can be occupied ?

Q14 Write whether the result is even or odd :

(i) $44n$, where $n = 7$: _____

(ii) $105n - 4$, where $n = 5$: _____

Q15 In the cryptarithm $K2 + K2 = HMM$, what digit does M correspond to ?

Q16 Multiply each of the following numbers by 10 , 100 , 1000 (orally) .

(a) 5.9 (b) 3.75 (c) 0.549

Q17 Fill in the blanks

1. The product of two odd numbers is always _____.
2. The parity of a 7×1 grid is _____
3. Odd - even = _____
4. The 7th number in the Fibonacci sequence is _____.

Q18 : Fill in the grid below

The magic sum is 27

10		
11		
	13	

Q19 Find out the parity of the following sums using pictorial representation :

- (i) Sums of 4 odd and 4 even numbers
- (ii) Sums of 6 odd numbers
- (iii) Sum of 3 even numbers

Q20 CASE STUDY

Kishan was playing with number cards. He wanted to place 5 cards such that their total sum equals 30. After several attempts, he realized all the cards had odd numbers, and he started wondering if his goal was possible.

1. If you add 5 odd numbers together, what type of number will you always get?
 - (a) Even
 - (b) Odd
 - (c) Prime
 - (d) Composite
2. Can Kishan make the total 30 using 5 odd number cards?
 - (a) Yes, always
 - (b) Yes, only if the cards are 1, 3, 5, 7, 14
 - (c) No, it's impossible
 - (d) Only if one card is even
3. What is the parity (evenness or oddness) of the sum of any two odd numbers?

- (a) Always even
- (b) Always odd
- (c) Always prime
- (d) Can't be determined

4. Kishan changes the task to use 3 even and 2 odd numbers. What can be the parity of the sum now?

- (a) Always odd
- (b) Always even
- (c) Could be either
- (d) Always zero

Maths puzzle and Mental Maths

Q21 Find the missing number in the place of question mark

256	128	2
168	56	3
1200	300	?

Q22 What comes in place of question mark (?) in the following number series :

3,5,13,49,241, ?,

Q23 Fill in the grid so that each column, row and diagonal add up to the given sum (The sum is 102)

48			
	30	33	24
			36
	45	42	3

Q24 What number come on the place of ?

5	2	6	4	7	8	12
10	4	?	8	?	16	?

Q25 Replace the question mark (?) in the series given below

2,3,7,16,32, ?,....

Q26 which of these numbers is the multiple of 10 ?

26 , 32 , 19 , 40 , 55 , 12

Q27 If $7 \times 8 = 151$, $4 \times 6 = 102$, $5 \times 9 = 144$, then find the value of 2×5 ?

Q28 What comes in place of question mark (?) in the series given below ?

B,C,E,H,L, ?

Q29 I am between 20 and 30 . I am a multiple of both 3 and 4 . Who am I ?

Q30 Replace the question mark (?) in the following series.

L, LL, LLLL, LLLLLL, ?

Q31 Find out the pair in which the words bear the same relationship to each

other as similar to the words of the given pair bear.

India : Tricolour

(A) China : Sickle and Hammer

(B) UK : Red Cross

(C) USA : Stars and Stripes

(D) None of these

Q32 If 'SILVER' is coded as 'ZXYBDQ' and 'KAMAL' is coded as LNCNY, then what will be the code for 'VIKAS'

(A) BXNLZ

(B) ZXYCN

(C) BXLNZ

(D) LNCBD

Q33 If $B = 2$ and $BAG = 10$, then $BOX = ?$

(A) 36

(B) 39

(C) 41

(D) 52

Q34 Find the odd one out .

(A) Orange

(B) Apple

(C) Guava

(D) Grapes

Q35 If P denotes $\div$, Q denotes $\times$, R denotes $+$ and S denotes $-$, what is the value of

$18Q12P4R556?$

Activity

Q 36 To make 3×3 magic square using numbers 1 to 9.

Q 37 Prepare crossword puzzle with numbers.(On A-4 Size sheet)

Q38 Make a Rangoli Design using geometrical shapes only (On A-4 Size sheet) .

Q39 Make a scrapbook showing how maths is used in cooking , shopping , travel or budgeting . Use real bill , pictures and examples.

Q40 # Art integrated project

Topic : Cloth and Food Heritage of Manipur