MATHS

NCERT - NCERT MATHEMATICS(Hinglish)

WHOLE NUMBERS

Exercise 2 2

1. Find the sum by suitable rearrangement:

(a) $837 + 208 + 363$

(b) $1962 + 453 + 1538 + 647$

A. (a)1308

(b)4600

B. (a)1406

(b)4670

C. (a)1418

(b)4500

D. (a)1408

(b)4600

Answer: D

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2. Find the sum by suitable rearrangement: (a)

$297 \times 17 + 297 \times 3$ (b)

$54279 \times 92 + 8 \times 54279$ (c)

$81265 \times 169 - 81265 \times 69$ (d)

$3845 \times 5 \times 782 + 769 \times 25 \times 218$

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3. Find the sum by suitable rearrangement: (a) $2 \times 1768 \times 50$ (b) $4 \times 166 \times 25$ (c) $8 \times 291 \times 125$ (d) $625 \times 279 \times 16$ (e) $285 \times 5 \times 60$ (f) $125 \times 40 \times 8 \times 25$

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4. A taxi driver filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the

petrol costs Rs 44 per litre, how much did he spend in all on petrol?

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5. Find the product using suitable properties.

(a) 738×103

(b) 854×102

(c) 258×1008

(d) 1005×108

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6. Find the product using suitable properties.

(i) $425 \times 136 = 425 \times (6 + 30 + 100)$ (a) commutativity under multiplication. (ii) $2 \times 49 \times 50 = 2 \times 50 \times 49$ (b) commutativity under addition. (iii) $80 + 2005 + 20 = 80 + 20 + 2005$ (c) Distributivity of multiplication over addition.

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7. A vendor supplies 32 litres of milk to a hotel in the morning and 68 litres of milk in the

evening. If the milk costs Rs 15 per litre, how much money is due to the vendor per day?

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Exercise 2 1

1. Which of the following statements are true (T) and which are false (F)?(a) Zero is the smallest natural number. (b) 400 is the predecessor of 399. (c) Zero is the smallest whole number. (d) 600 is the successor of

599. (e) All natural numbers are whole numbers. (f) All whole numbers are natural numbers. (g) The predecessor of a two digit number is never a single digit number. (h) 1 is the smallest whole number. (i) The natural number 1 has no predecessor. (j) The whole number 1 has no predecessor. (k) The whole number 13 lies between 11 and 12.(l) The whole number 0 has no predecessor.(m) The successor of a two digit number is always a two digit number

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2. How many whole numbers are there between 32 and 53?

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3. Write the successor of : (a) 2440701 (b) 100199 (c) 1099999 (d) 2345670

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4. Write the predecessor of : (a) 94 (b) 10000 (c) 208090 (d) 7654321

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5. In each of the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also write them with the appropriate sign $(<, >)$ Between Them.

(a) $530, 503$

(b) 370, 307

(c) 98765, 56789

(d) 9830415, 10023001

6. Write the next three natural numbers after 10999.

7. Write the three whole numbers occurring just before 10001.

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8. Which is the smallest whole number?

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Exercise 2 3

1. Find using distributive property:

(a)728×101

(b)5437×1001

(c)824×25

(d)4275×125

(e)504×35

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2. Study the pattern:

1×8+1=9

$12\times8+2=98$

$123\times8+3=987$

$1234\times8+4=9876$

$12345\times8+5=98765$

Write the next four steps. Can you find out how the pattern works ?

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3. If the product of two whole numbers is zero, can we say that one or both of them will be zero? Justify through examples.

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4. If the product of two whole numbers is 1, can we say that one or both of them will be 1? Justify through examples.

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5. Which of the following will not represent zero: (a) $1 + 0$ (b) 0×0 (c) $\frac{0}{2}$ (d) $\frac{10 - 10}{2}$

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Solved Examples

1. Find 12×35

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2. Find $14 + 17 + 6$ in two ways.

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3. Add the numbers $234, 197 \text{ and } 103$

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4. Simplify : $126 \times 55 + 126 \times 45$

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5. Find 12×35 using distributivity

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6. The school canteen charges Rs 20 for lunch and Rs 4 for milk for each day. How much money do you spend in 5 days on these things?

A. 140

B. 120

C. 105

D. 115

Answer: B

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7. Find $8 \times 1769 \times 125$

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