

HOME ASSIGNMENT FOR CLASS VIII A DURING SUMMER VACATION ,2017

Q.1 Do the following :

(i) Complete the following table: FOR CLOSURE PROPERTY

NUMBERS	ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION
RATIONAL NOS				
INTEGERS				
WHOLE NOS				
NATORAL NOS				

(ii) Complete the following table: FOR COMMUTATIVE PROPERTY

NUMBERS	ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION
RATIONAL NOS				
INTEGERS				
WHOLE NOS				
NATORAL NOS				

(iii) Complete the following table: FOR ASSOCIATIVE PROPERTY

NUMBERS	ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION
RATIONAL NOS				
INTEGERS				
WHOLE NOS				
NATORAL NOS				

(iv) Complete the following table: FOR EXISTENCE OF IDENTITY

NUMBERS	ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION
RATIONAL NOS				
INTEGERS				
WHOLE NOS				
NATORAL NOS				

(v) Complete the following table: FOR EXISTENCE OF INVERTIBLE

NUMBERS	ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION
RATIONAL NOS				
INTEGERS				
WHOLE NOS				
NATORAL NOS				

Q.2 Write any 3 rational numbers between -2 and 2 .

Q.3 What will be the "one's digit" in the square of the following numbers?

(i) 1234 (ii) 26387 (iii) 52698 (iv) 99880 (v) 21222 (vi) 910

Q.4. Find a Pythagorean triplet in which one member is 12.

Q.5 By repeated subtraction of odd numbers starting from 1, find whether the following numbers are

perfect squares or not? If the number is a perfect square then find its square root

- (i) 121 (ii) 55 (iii) 36 (iv) 49 (v) 90

Q.6 Is 2352 a perfect square? If not, find the smallest multiple of 2352 which is a perfect square. Find the square root of the new number.

Q.7 Find the smallest number by which 9408 must be divided so that the quotient is a perfect square. Find the square root of the quotient.

Q.8 Find the smallest square number which is divisible by each of the numbers 3, 9 and 15.

Q.9 Find the greatest 4-digit number which is a perfect square.

FOR SLOW LEARNERS

Q.1) Do the following.

- a) $456 + 123 + 789 = \dots\dots\dots$ (b) $159 + 268 + 426 = \dots\dots\dots$
c) $753 + 458 + 496 = \dots\dots\dots$ (d) $489 + 963 + 741 = \dots\dots\dots$
e) $8529 + 9637 + 8452 = \dots\dots\dots$ f) $7895 + 4598 + 4569 = \dots\dots\dots$
(g) $756.036 + 456.46 = \dots\dots\dots$ (h) $0.456 + 78.45 = \dots\dots\dots$ (i) $9.456 + 785.123 = \dots\dots\dots$

Q.2) SUBTRACT THE FOLLOWING :

- (a) $963 - 852 = \dots\dots\dots$ (b) $852 - 741 = \dots\dots\dots$ (c) $789 - 123 = \dots\dots\dots$
(d) $1000 - 998 = \dots\dots\dots$ (e) $1980 - 786 = \dots\dots\dots$ (f) $126 - 79 = \dots\dots\dots$
(g) $456.123 - 123.524 = \dots\dots\dots$ (h) $0.1236 - 0.0456 = \dots\dots\dots$ (i) $45.059 - 7.78 = \dots\dots\dots$

Q.3) MULTIPLY THE FOLLOWING :

- (a) $10000 \times 2500 = \dots\dots\dots$ (b) $454 \times 78 = \dots\dots\dots$ (c) $45 \times 60 = \dots\dots\dots$
(d) $79 \times 75 = \dots\dots\dots$ (e) $76 \times 89 = \dots\dots\dots$ (f) $56 \times 63 = \dots\dots\dots$
(g) $4.5 \times 3.0 = \dots\dots\dots$ (h) $7.9 \times 4.4 = \dots\dots\dots$ (i) $72.43 \times 12 = \dots\dots\dots$

Q.4) DIVIDE THE FOLLOWING :

- (a) $210 \div 6 = \dots\dots\dots$ (b) $1050 \div 35 = \dots\dots\dots$ (c) $12000 \div 25 = \dots\dots\dots$
(d) $3400 \div 200 = \dots\dots\dots$ (e) $144 \div 12 = \dots\dots\dots$ (f) $343 \div 7 = \dots\dots\dots$

Q.5) ESTIMATE THE FOLLOWING (BY ROUNDING OFF TO NEAREST 10, 100 & 1000 EACH)

- (a) $4789 + 4589 + 4259 = \dots\dots\dots$ (b) $78569 + 4589 + 7526 = \dots\dots\dots$ (c) $7853 - 4589 = \dots\dots\dots$
(d) $4589 + 4895 - 4526 = \dots\dots\dots$ (e) $4586 \times 4520 = \dots\dots\dots$ (f) $4200 \times 8521 = \dots\dots\dots$

THE REVISION OF THE CHAPTERS (i) RATIONAL NUMBERS (ii) SQUARE AND SQUARE ROOT (INCLUDING ALL THE EXAMPLES OF THESE CHAPTERS)