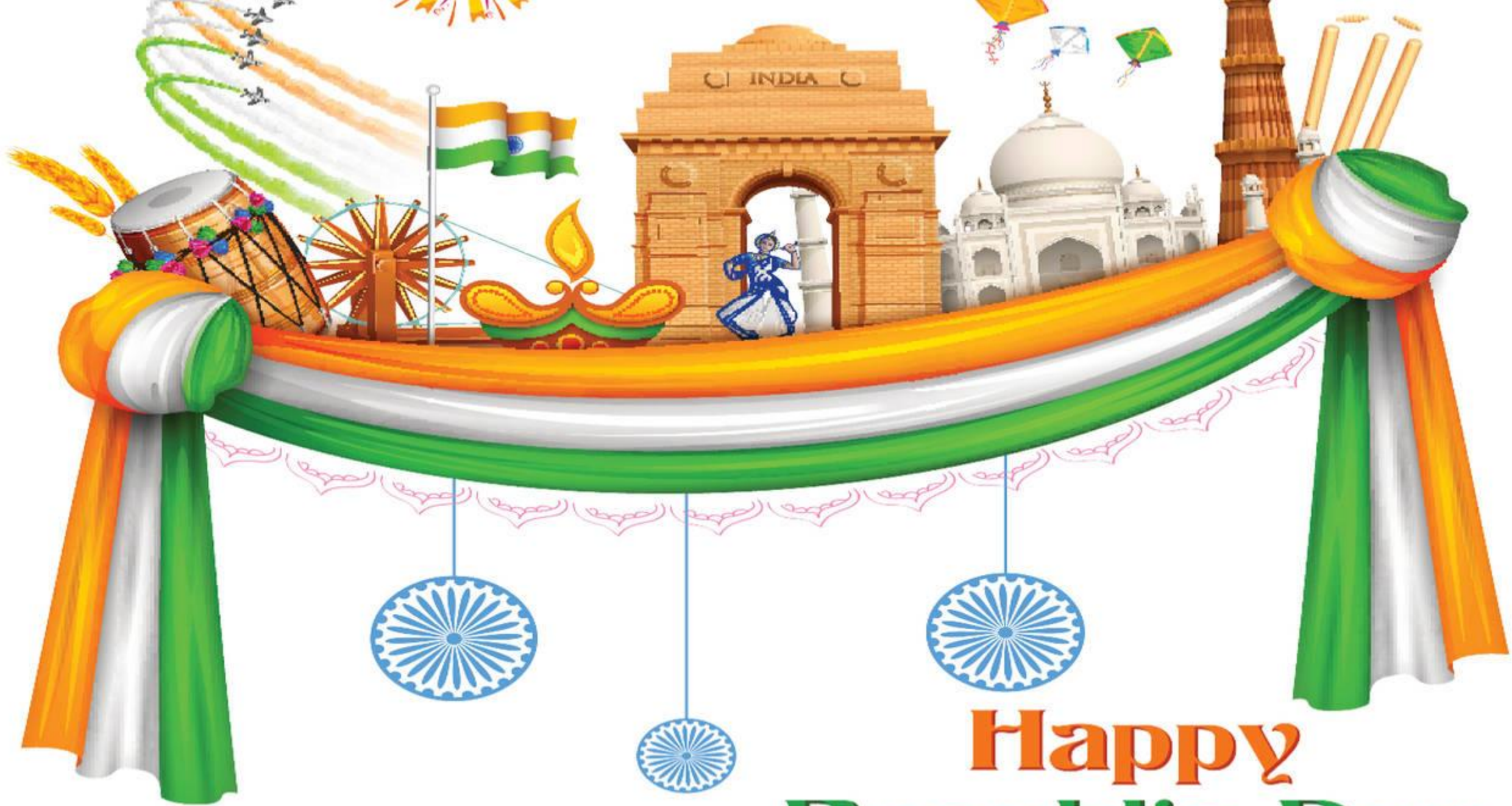




CUBE ROOT & SQUARE ROOT (घनमूल & वर्गमूल)



Happy
Republic Day



CUBE ROOT

(घनमूल)



Cube घन :

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$

$$10^3 = 1000$$

$$11^3 = 1331$$

$$12^3 = 1728$$

$$13^3 = 2197$$

$$14^3 = 2744$$

$$15^3 = 3375$$

$$16^3 = 4096$$

$$17^3 = 4913$$

$$18^3 = 5832$$

$$19^3 = 6859$$

$$20^3 = 8000$$



$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$

$$10^3 = 1000$$

Rule नियम :

$$2 \longleftrightarrow 8$$

$$3 \longleftrightarrow 7$$



➤ $\sqrt[3]{39304}$

$1^3 = 1$

$11^3 = 1331$

$2^3 = 8$

$12^3 = 1728$

$3^3 = 27$

$13^3 = 2197$

$4^3 = 64$

$14^3 = 2744$

➤ $\sqrt[3]{110592}$

$5^3 = 125$

$15^3 = 3375$

$6^3 = 216$

$16^3 = 4096$

$7^3 = 343$

$17^3 = 4913$

$8^3 = 512$

$18^3 = 5832$

$9^3 = 729$

$19^3 = 6859$

$10^3 = 1000$

$20^3 = 8000$



$$\blacktriangleright \sqrt[3]{175616}$$

$$1^3 = 1$$

$$11^3 = 1331$$

$$2^3 = 8$$

$$12^3 = 1728$$

$$3^3 = 27$$

$$13^3 = 2197$$

$$4^3 = 64$$

$$14^3 = 2744$$

$$\blacktriangleright \sqrt[3]{571787}$$

$$5^3 = 125$$

$$15^3 = 3375$$

$$6^3 = 216$$

$$16^3 = 4096$$

$$7^3 = 343$$

$$17^3 = 4913$$

$$8^3 = 512$$

$$18^3 = 5832$$

$$9^3 = 729$$

$$19^3 = 6859$$

$$10^3 = 1000$$

$$20^3 = 8000$$



$$\blacktriangleright \sqrt[3]{830584}$$

$$1^3 = 1$$

$$11^3 = 1331$$

$$2^3 = 8$$

$$12^3 = 1728$$

$$3^3 = 27$$

$$13^3 = 2197$$

$$4^3 = 64$$

$$14^3 = 2744$$

$$\blacktriangleright \sqrt[3]{474552}$$

$$5^3 = 125$$

$$15^3 = 3375$$

$$6^3 = 216$$

$$16^3 = 4096$$

$$7^3 = 343$$

$$17^3 = 4913$$

$$8^3 = 512$$

$$18^3 = 5832$$

$$9^3 = 729$$

$$19^3 = 6859$$

$$10^3 = 1000$$

$$20^3 = 8000$$



$$\blacktriangleright \sqrt[3]{1404928}$$

$$1^3 = 1$$

$$11^3 = 1331$$

$$2^3 = 8$$

$$12^3 = 1728$$

$$3^3 = 27$$

$$13^3 = 2197$$

$$4^3 = 64$$

$$14^3 = 2744$$

$$\blacktriangleright \sqrt[3]{2406104}$$

$$5^3 = 125$$

$$15^3 = 3375$$

$$6^3 = 216$$

$$16^3 = 4096$$

$$7^3 = 343$$

$$17^3 = 4913$$

$$8^3 = 512$$

$$18^3 = 5832$$

$$9^3 = 729$$

$$19^3 = 6859$$

$$10^3 = 1000$$

$$20^3 = 8000$$



$$\sqrt[3]{405224} \text{ of } \sqrt[3]{32768} \div \sqrt[3]{50653} + ? = \sqrt[3]{1906624}$$

- a)50
- b)60
- c)64
- d)53
- e)77





SQUARE ROOT



SQUARE(वर्ग) :

$$1^2 = 1$$

$$2^2 = 4$$

$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 25$$

$$6^2 = 36$$

$$7^2 = 49$$

$$8^2 = 64$$

$$9^2 = 81$$

$$10^2 = 100$$

$$11^2 = 121$$

$$12^2 = 144$$

$$13^2 = 169$$

$$14^2 = 196$$

$$15^2 = 225$$

$$16^2 = 256$$

$$17^2 = 289$$

$$18^2 = 324$$

$$19^2 = 361$$

$$20^2 = 400$$

$$21^2 = 441$$

$$22^2 = 484$$

$$23^2 = 529$$

$$24^2 = 576$$

$$25^2 = 625$$

$$26^2 = 676$$

$$27^2 = 729$$

$$28^2 = 784$$

$$29^2 = 841$$

$$30^2 = 900$$



$$1^2 = 1$$

$$2^2 = 4$$

$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 25$$

$$6^2 = 36$$

$$7^2 = 49$$

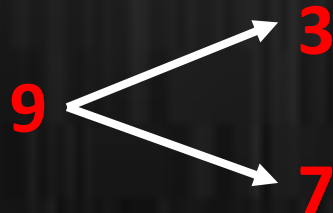
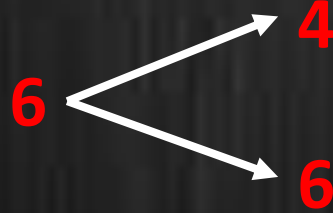
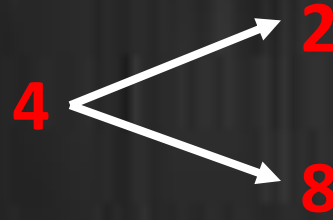
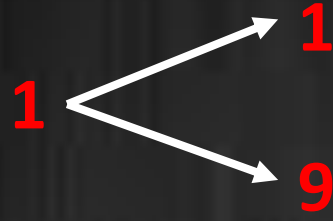
$$8^2 = 64$$

$$9^2 = 81$$

$$10^2 = 100$$

Rule: The digits 2,3,7 & 8 can never occupy the unit place of a perfect square.

नियम : अंक 2,3,7 & 8 किसी भी पूर्ण वर्ग के इकाई के अंक के स्थान पर कभी नहीं आ सकते।





$$\sqrt{2025}$$

$$\sqrt{5625}$$

$$\sqrt{9025}$$

$$\sqrt{15625}$$



$$\sqrt{4096}$$



$$\sqrt{7569}$$



$$\sqrt{5329}$$



$$\sqrt{8464}$$



$$\sqrt{12996}$$



$$\sqrt{17424}$$



$$\sqrt{7056} \div \sqrt[3]{21952} + \sqrt{12544} \div \sqrt[3]{175616} \times \sqrt[3]{103823} = ?$$

- a)87
- b)97
- c)93
- d)103
- e)83





$$(18)^3 \div (72)^2 \times \sqrt[3]{262144} + \sqrt[3]{531441} \div (54)^2 \times \sqrt{20736} = ?$$

a)66

b)86

c)82

d)76

e)72

