

## 5 times table

## 10 times table

## 2 times table

$0 \times 5 = 0$

$0 \div 5 = 0$

$0 \times 10 = 0$

$0 \div 10 = 0$

$0 \times 2 = 0$

$0 \div 2 = 0$

$1 \times 5 = 5$

$5 \div 5 = 1$

$1 \times 10 = 10$

$10 \div 10 = 1$

$1 \times 2 = 2$

$2 \div 2 = 1$

$2 \times 5 = 10$

$10 \div 5 = 2$

$2 \times 10 = 20$

$20 \div 10 = 2$

$2 \times 2 = 4$

$4 \div 2 = 2$

$3 \times 5 = 15$

$15 \div 5 = 3$

$3 \times 10 = 30$

$30 \div 10 = 3$

$3 \times 2 = 6$

$6 \div 2 = 3$

$4 \times 5 = 20$

$20 \div 5 = 4$

$4 \times 10 = 40$

$40 \div 10 = 4$

$4 \times 2 = 8$

$8 \div 2 = 4$

$5 \times 5 = 25$

$25 \div 5 = 5$

$5 \times 10 = 50$

$50 \div 10 = 5$

$5 \times 2 = 10$

$10 \div 2 = 5$

$6 \times 5 = 30$

$30 \div 5 = 6$

$6 \times 10 = 60$

$60 \div 10 = 6$

$6 \times 2 = 12$

$12 \div 2 = 6$

$7 \times 5 = 35$

$35 \div 5 = 7$

$7 \times 10 = 70$

$70 \div 10 = 7$

$7 \times 2 = 14$

$14 \div 2 = 7$

$8 \times 5 = 40$

$40 \div 5 = 8$

$8 \times 10 = 80$

$80 \div 10 = 8$

$8 \times 2 = 16$

$16 \div 2 = 8$

$9 \times 5 = 45$

$45 \div 5 = 9$

$9 \times 10 = 90$

$90 \div 10 = 9$

$9 \times 2 = 18$

$18 \div 2 = 9$

$10 \times 5 = 50$

$50 \div 5 = 10$

$10 \times 10 = 100$

$100 \div 10 = 10$

$10 \times 2 = 20$

$20 \div 2 = 10$

$11 \times 5 = 55$

$55 \div 5 = 11$

$11 \times 10 = 110$

$110 \div 10 = 11$

$11 \times 2 = 22$

$22 \div 2 = 11$

$12 \times 5 = 60$

$60 \div 5 = 12$

$12 \times 10 = 120$

$120 \div 10 = 12$

$12 \times 2 = 24$

$24 \div 2 = 12$

## 4 times table

## 8 times table

## 3 times table

$0 \times 4 = 0$

$0 \div 4 = 0$

$0 \times 8 = 0$

$0 \div 8 = 0$

$0 \times 3 = 0$

$0 \div 3 = 0$

$1 \times 4 = 4$

$4 \div 4 = 1$

$1 \times 8 = 8$

$8 \div 8 = 1$

$1 \times 3 = 3$

$3 \div 3 = 1$

$2 \times 4 = 8$

$8 \div 4 = 2$

$2 \times 8 = 16$

$16 \div 8 = 2$

$2 \times 3 = 6$

$6 \div 3 = 2$

$3 \times 4 = 12$

$12 \div 4 = 3$

$3 \times 8 = 24$

$24 \div 8 = 3$

$3 \times 3 = 9$

$9 \div 3 = 3$

$4 \times 4 = 16$

$16 \div 4 = 4$

$4 \times 8 = 32$

$32 \div 8 = 4$

$4 \times 3 = 12$

$12 \div 3 = 4$

$5 \times 4 = 20$

$20 \div 4 = 5$

$5 \times 8 = 40$

$40 \div 8 = 5$

$5 \times 3 = 15$

$15 \div 3 = 5$

$6 \times 4 = 24$

$24 \div 4 = 6$

$6 \times 8 = 48$

$48 \div 8 = 6$

$6 \times 3 = 18$

$18 \div 3 = 6$

$7 \times 4 = 28$

$28 \div 4 = 7$

$7 \times 8 = 56$

$56 \div 8 = 7$

$7 \times 3 = 21$

$21 \div 3 = 7$

$8 \times 4 = 32$

$32 \div 4 = 8$

$8 \times 8 = 64$

$64 \div 8 = 8$

$8 \times 3 = 24$

$24 \div 3 = 8$

$9 \times 4 = 36$

$36 \div 4 = 9$

$9 \times 8 = 72$

$72 \div 8 = 9$

$9 \times 3 = 27$

$27 \div 3 = 9$

$10 \times 4 = 40$

$40 \div 4 = 10$

$10 \times 8 = 80$

$80 \div 8 = 10$

$10 \times 3 = 30$

$30 \div 3 = 10$

$11 \times 4 = 44$

$44 \div 4 = 11$

$11 \times 8 = 88$

$88 \div 8 = 11$

$11 \times 3 = 33$

$33 \div 3 = 11$

$12 \times 4 = 48$

$48 \div 4 = 12$

$12 \times 8 = 96$

$96 \div 8 = 12$

$12 \times 3 = 36$

$36 \div 3 = 12$

## 6 times table

## 9 times table

## 7 times table

$0 \times 6 = 0$

$0 \div 6 = 0$

$0 \times 9 = 0$

$0 \div 9 = 0$

$0 \times 7 = 0$

$0 \div 7 = 0$

$1 \times 6 = 6$

$6 \div 6 = 1$

$1 \times 9 = 9$

$9 \div 9 = 1$

$1 \times 7 = 7$

$7 \div 7 = 1$

$2 \times 6 = 12$

$12 \div 6 = 2$

$2 \times 9 = 18$

$18 \div 9 = 2$

$2 \times 7 = 14$

$14 \div 7 = 2$

$3 \times 6 = 18$

$18 \div 6 = 3$

$3 \times 9 = 27$

$27 \div 9 = 3$

$3 \times 7 = 21$

$21 \div 7 = 3$

$4 \times 6 = 24$

$24 \div 6 = 4$

$4 \times 9 = 36$

$36 \div 9 = 4$

$4 \times 7 = 28$

$28 \div 7 = 4$

$5 \times 6 = 30$

$30 \div 6 = 5$

$5 \times 9 = 45$

$45 \div 9 = 5$

$5 \times 7 = 35$

$35 \div 7 = 5$

$6 \times 6 = 36$

$36 \div 6 = 6$

$6 \times 9 = 54$

$54 \div 9 = 6$

$6 \times 7 = 42$

$42 \div 7 = 6$

$7 \times 6 = 42$

$42 \div 6 = 7$

$7 \times 9 = 63$

$63 \div 9 = 7$

$7 \times 7 = 49$

$49 \div 7 = 7$

$8 \times 6 = 48$

$48 \div 6 = 8$

$8 \times 9 = 72$

$72 \div 9 = 8$

$8 \times 7 = 56$

$56 \div 7 = 8$

$9 \times 6 = 54$

$54 \div 6 = 9$

$9 \times 9 = 81$

$81 \div 9 = 9$

$9 \times 7 = 63$

$63 \div 7 = 9$

$10 \times 6 = 60$

$60 \div 6 = 10$

$10 \times 9 = 90$

$90 \div 9 = 10$

$10 \times 7 = 70$

$70 \div 7 = 10$

$11 \times 6 = 66$

$66 \div 6 = 11$

$11 \times 9 = 99$

$99 \div 9 = 11$

$11 \times 7 = 77$

$77 \div 7 = 11$

$12 \times 6 = 72$

$72 \div 6 = 12$

$12 \times 9 = 108$

$108 \div 9 = 12$

$12 \times 7 = 84$

$84 \div 7 = 12$

# 11 times table

|                      |                    |
|----------------------|--------------------|
| $0 \times 11 = 0$    | $0 \div 11 = 0$    |
| $1 \times 11 = 11$   | $11 \div 11 = 1$   |
| $2 \times 11 = 22$   | $22 \div 11 = 2$   |
| $3 \times 11 = 33$   | $33 \div 11 = 3$   |
| $4 \times 11 = 44$   | $44 \div 11 = 4$   |
| $5 \times 11 = 55$   | $55 \div 11 = 5$   |
| $6 \times 11 = 66$   | $66 \div 11 = 6$   |
| $7 \times 11 = 77$   | $77 \div 11 = 7$   |
| $8 \times 11 = 88$   | $88 \div 11 = 8$   |
| $9 \times 11 = 99$   | $99 \div 11 = 9$   |
| $10 \times 11 = 110$ | $110 \div 11 = 10$ |
| $11 \times 11 = 121$ | $121 \div 11 = 11$ |
| $12 \times 11 = 132$ | $132 \div 11 = 12$ |

# 12 times table

|                      |                    |
|----------------------|--------------------|
| $0 \times 12 = 0$    | $0 \div 12 = 0$    |
| $1 \times 12 = 12$   | $12 \div 12 = 1$   |
| $2 \times 12 = 24$   | $24 \div 12 = 2$   |
| $3 \times 12 = 36$   | $36 \div 12 = 3$   |
| $4 \times 12 = 48$   | $48 \div 12 = 4$   |
| $5 \times 12 = 60$   | $60 \div 12 = 5$   |
| $6 \times 12 = 72$   | $72 \div 12 = 6$   |
| $7 \times 12 = 84$   | $84 \div 12 = 7$   |
| $8 \times 12 = 96$   | $96 \div 12 = 8$   |
| $9 \times 12 = 108$  | $108 \div 12 = 9$  |
| $10 \times 12 = 120$ | $120 \div 12 = 10$ |
| $11 \times 12 = 132$ | $132 \div 12 = 11$ |
| $12 \times 12 = 144$ | $144 \div 12 = 12$ |

# Square Numbers

|              |                   |
|--------------|-------------------|
| $0^2 = 0$    | $\sqrt{0} = 0$    |
| $1^2 = 1$    | $\sqrt{1} = 1$    |
| $2^2 = 4$    | $\sqrt{4} = 2$    |
| $3^2 = 9$    | $\sqrt{9} = 3$    |
| $4^2 = 16$   | $\sqrt{16} = 4$   |
| $5^2 = 25$   | $\sqrt{25} = 5$   |
| $6^2 = 36$   | $\sqrt{36} = 6$   |
| $7^2 = 49$   | $\sqrt{49} = 7$   |
| $8^2 = 64$   | $\sqrt{64} = 8$   |
| $9^2 = 81$   | $\sqrt{81} = 9$   |
| $10^2 = 100$ | $\sqrt{100} = 10$ |
| $11^2 = 121$ | $\sqrt{121} = 11$ |
| $12^2 = 144$ | $\sqrt{144} = 12$ |

## Cube Numbers

$$0^3 = 0$$

$$\sqrt[3]{0} = 0$$

$$1^3 = 1$$

$$\sqrt[3]{1} = 1$$

$$2^3 = 8$$

$$\sqrt[3]{8} = 2$$

$$3^3 = 27$$

$$\sqrt[3]{27} = 3$$

$$4^3 = 64$$

$$\sqrt[3]{64} = 4$$

$$5^3 = 125$$

$$\sqrt[3]{125} = 5$$

$$6^3 = 216$$

$$\sqrt[3]{216} = 6$$

$$7^3 = 343$$

$$\sqrt[3]{343} = 7$$

$$8^3 = 512$$

$$\sqrt[3]{512} = 8$$

$$9^3 = 729$$

$$\sqrt[3]{729} = 9$$

$$10^3 = 1000$$

$$\sqrt[3]{1000} = 10$$

$$11^3 = 1331$$

$$\sqrt[3]{1331} = 11$$

$$12^3 = 1728$$

$$\sqrt[3]{1728} = 12$$

## Pearl

When a number is tens times greater than a standard times table fact, the answer will also be 10 times greater.

$$7 \times 8 = 56 \text{ so } 70 \times 8 = 560$$

$$9 \times 6 = 54 \text{ so } 9 \times 60 = 540$$

If both numbers are ten times greater, then the answer will be 100 times greater.

$$11 \times 4 = 44 \text{ so } 110 \times 40 = 4400$$

Using your times table knowledge, practice some of your own questions like these.

How would this work for division?

$$3200 \div 4 = ?$$

## Tanzanite

Decimals? What's the point?

If a number is 10 times smaller than a known times table fact, the answer will be ten times smaller.

$$2 \times 8 = 16 \text{ so } 0.2 \times 8 = 1.6$$

$$7 \times 7 = 49 \text{ so } 7 \times 0.7 = 4.9$$

If both numbers are ten times smaller, then the answer will be 100 times smaller.

$$12 \times 4 = 48 \text{ so } 1.2 \times 0.4 = 0.48$$

Using your times table knowledge, practice some of your own questions like these.

How would this work for division?

$$3.2 \div 4 = ?$$