

1. Write the products, without actually multiplying.

(a) $5 \times 10 = \underline{\hspace{2cm}}$ (b) $8 \times 100 = \underline{\hspace{2cm}}$ (c) $9 \times 1000 = \underline{\hspace{2cm}}$

(d) $675 \times 100 = \underline{\hspace{2cm}}$ (e) $88 \times 1000 = \underline{\hspace{2cm}}$ (f) $481 \times 10000 = \underline{\hspace{2cm}}$

(g) $600 \times 100 = \underline{\hspace{2cm}}$ (h) $382 \times 20 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Solution1:-

(a) $5 \times 10 = 50$

(b) $8 \times 100 = 800$

(c) $9 \times 1000 = 9,000$

(f) $481 \times 10000 = 48,10,000$

(d) $382 \times 20 = 7,640$

(d), (e) and (g) are homework

2. Using the order property of multiplication, complete each sentence.

(a) $6 \times 4 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$ (b) $8 \times 6 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$

(c) $25 \times 37 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$ (d) $49 \times 409 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$

Solution2:-

(a) $6 \times 4 = \underline{4} \times \underline{6}$

(d) $49 \times 409 = \underline{409} \times \underline{49}$

(b) and (c) are homework

3. Find the product.

(a) $21 \times 0 = \underline{\hspace{2cm}}$ (b) $2471 \times 1 = \underline{\hspace{2cm}}$

(c) $708 \times 0 = \underline{\hspace{2cm}}$ (d) $1 \times 488 = \underline{\hspace{2cm}}$

Solution3:- (a) $21 \times 0 = 0$

(b) $2471 \times 1 = 2,471$

(c) and (d) are homework

4. Are the following sentences true? Write Yes or No. Name the property used.

(a) $(3 \times 4) \times 5 = 3 \times (4 \times 5)$

(b) $4 \times (1 \times 5) = (4 \times 1) \times 5$

(c) $(35 \times 18) \times 5 = 35 \times (18 \times 5)$

(d) $(44 \times 15) \times 4 = 44 \times (15 \times 4)$

Solution4:- (a) $(3 \times 4) \times 5 = 3 \times (4 \times 5)$

$$12 \times 5 = 3 \times 20$$

$$60 = 60$$

Yes, the statement is true. This is grouping property.

(b) $(35 \times 18) \times 5 = 35 \times (18 \times 5)$

$$630 \times 5 = 35 \times 90$$

$$3150 = 3150$$

Yes, the statement is true. This is grouping property.

(b) and (d) are homework

5. What do you get when you multiply 60 tens by 8 ones?

Solution 5:- 60 tens = $60 \times 10 = 600$

$$8 \text{ ones} = 8 \times 1 = 8$$

$$\text{So, } 600 \times 8 = 4,800$$

6. Multiply 8 by the sum of the place value and face value of 4 in 28457.

Solution6:- Place value of 4 in 28,457 = 400

$$\text{Face value of 4 in 28,457} = + \quad \underline{\quad 4}$$

$$\text{Sum} = \quad \underline{\underline{404}}$$

$$\text{So, } 404 \times 8 = 3232$$

Rough column

$$\begin{array}{r} 3 \\ 404 \\ \times 8 \\ \hline 3232 \end{array}$$

7. Write the products.

(a) $90 \times 70 =$ _____

(b) $800 \times 300 =$ _____

(c) $180 \times 400 =$ _____

(d) $270 \times 600 =$ _____

(e) $1600 \times 60 =$ _____

(f) $150 \times 500 =$ _____

Solution7:- (a) $90 \times 70 = 6,300$

(b) $800 \times 300 = 2,40,000$

(d) $270 \times 600 = 1,62,000$

(f) $150 \times 500 = 75,000$

(c) and (e) are homework

8. Solve the following.

- (a) If you buy 25 packs, each containing 400 laddoos, for Children's Day, how many laddoos in all have you bought?

Solution8:- No.of laddoos in 1 pack = 400

No. of laddoos in 25 packs = 400×25

$$\begin{array}{r} 400 \\ \times 25 \\ \hline 2000 \\ \underline{8000} \\ 10000 \end{array}$$

Therefore, altogether we have bought 10,000 laddoos for Children's Day.

- (b) A factory manufactures 4200 watches in a week. How many watches does it manufacture in 30 weeks?

This question is homework

9. Fill in the blanks with $<$, $>$, or $=$.

(a) 9×5 _____ 6

(b) 1×6 _____ 0×8

(c) $7 + 8$ _____ 8×7

(d) 3×8 _____ 6×6

(e) 9×1 _____ 1×10

(f) $5 + 5 + 5 + 5 + 5 + 5$ _____ 6×5

Solution9:- (a) 9×5 _____ 8×6
 45 _____ 48

(b) 1×6 _____ 0×8
 6 _____ 0

(c) $7 + 8$ _____ 8×7
 15 _____ 56

(f) $5 + 5 + 5 + 5 + 5 + 5$ _____ 6×5
 $5 \times 6 = 30$ _____ 30

(d) and (e) are homework