

MULTIPLYING BY 25

Problem:

$$25 \times 48 = ?$$

Method: 1. Multiply by 100.

2. Divide by 4.

Solve: 1. $48 \times 100 = 4800$

2. Divide 4800 by 4.

1200 Answer

Or: $\$5.40 \times 25 = ?$

1. $\$5.40 \times 100 = \540

2. $\$540 \div 4 = \underline{\$135}$ Answer

TRY THESE:

1. $25 \times 96 =$

2. $25 \times 480 =$

3. $25 \times 568 =$

4. $25 \times 888 =$

5. $25 \times 248 =$

6. $25 \times .48 =$

7. $25 \times \$9.60 =$

8. $25 \times \$.96 =$

9. $25 \times 328 =$

10. $25 \times \$4800 =$

MULTIPLYING BY 50

Problem:

$$50 \times 212 = ?$$

- Method:
1. Take one half the number that is being multiplied by 50.
 2. Multiply #1 result by 100.

- Solve:
1. $1/2$ of 212 = 106
 2. $106 \times 10 = \underline{10,600}$ Answer

Or: $50 \times \$84,000 = ?$

1. $1/2$ of $\$84,000 = \$42,000$
2. $\$42,000 \times 100 = \$4,200,000$

TRY THESE:

1. $50 \times 382 =$
2. $50 \times 916 =$
3. $50 \times \$2212 =$
4. $50 \times \$3.64 =$
5. $50 \times \$71.80 =$
6. $50 \times .614 =$
7. $50 \times 740 =$
8. $50 \times 528 =$

MULTIPLYING BY 75

Problem: $36 \times 75 = ?$

- Method:
1. Multiply by the fraction $\frac{3}{4}$
 2. Multiply results in #1 by 100.

- Solve:
1. $36 \times \frac{3}{4} = 27$
 2. $27 \times 100 = \underline{2700}$ Answer

- Method:
1. Multiply by 300.
 2. Divide by 4.

- Solve:
1. $36 \times 300 = 10,800$
 2. Divide by 4: 10,800 divided by 4 equals 2700

2700 Answer

TRY THESE:

1. $48 \times 75 =$
2. $64 \times 75 =$
3. $72 \times 75 =$
4. $\$1.60 \times 75 =$
5. $\$24 \times 75 =$
6. $88 \times \$7.50 =$

MULTIPLYING BY $33 \frac{1}{3}$

Problem: $39 \times 33 \frac{1}{3} = ?$

Method: 1. Multiply by 100.
2. Divide by 3.

Solve: 1. $39 \times 100 = 3900$
2. $3900 \div 3 = \underline{1300}$ Answer

Or: $\$9600 \times 33 \frac{1}{3} = ?$
1. $\$9600 \times 100 = \$960,000$
2. $\$960,000 \div 3 = \$320,000$

TRY THESE:

1. $\$3.60 \times 33 \frac{1}{3} =$
2. $18 \times 33 \frac{1}{3} =$
3. $66 \times 33 \frac{1}{3} =$
4. $45 \times 33 \frac{1}{3} =$
5. $270 \times 33 \frac{1}{3} =$
6. $489 \times 33 \frac{1}{3} =$
7. $15 \times 33 \frac{1}{3} =$
8. $21 \times 33 \frac{1}{3} =$
9. $\$45 \times 33 \frac{1}{3} =$
10. $\$744 \times 33 \frac{1}{3} =$

MULTIPLYING BY 12 1/2

Problem: $48 \times 12 \frac{1}{2} = ?$

Method: 1. Multiply the number by 100
2. Divide result in #1 by 8.

Solve: 1. $48 \times 100 = 4800$
2. $4800 \div 8 = \underline{600}$ Answer

Or: $\$12.50 \times 32 = ?$

1. $32 \times 100 = 3200$
2. $3200 \div 8 = \underline{\$400}$ Answer

TRY THESE:

1. $640 \times 12 \frac{1}{2} =$
2. $\$88 \times 12 \frac{1}{2} =$
3. $\$12.50 \times 48 =$
4. $560 \times 12 \frac{1}{2} =$
5. $560 \times 12.5 =$
6. $96 \times 12 \frac{1}{2} =$
7. $240 \times 12 \frac{1}{2} =$
8. $\$12.50 \times 64 =$

MULTIPLYING BY $16 \frac{2}{3}$

Problem:

$$15 \times 16 \frac{2}{3} = ?$$

Method: 1. Multiply by 100.

2. Divide by 6.

Solve: 1. $15 \times 100 = 1500$

2. $1500 \div 6 = \underline{250}$ Answer

Or: $54 \times 16 \frac{2}{3} = ?$

1. $54 \times 100 = 5400$

2. $5400 \div 6 = \underline{900}$ Answer

TRY THESE:

1. $18 \times 16 \frac{2}{3} =$

2. $16 \frac{2}{3} \times 48 =$

3. $\$4.98 \times 16 \frac{2}{3} =$

4. $\$2.40 \times 16 \frac{2}{3} =$

5. $36 \times 16 \frac{2}{3} =$

6. $120 \times 16 \frac{2}{3} =$

7. $\$1.80 \times 16 \frac{2}{3} =$

8. $72 \times 16 \frac{2}{3} =$