

Unknown numerator

The missing number is a numerator. Solve for it.

1. $x/3 = 12/9$

$x = \underline{\quad 4 \quad}$

2. $n/11 = 20/22$

$n = \underline{\quad 10 \quad}$

3. $x/7 = 72/28$

$x = \underline{\quad 18 \quad}$

4. $9/6 = n/2$

$n = \underline{\quad 3 \quad}$

5. $28/16 = n/8$

$n = \underline{\quad 14 \quad}$

6. $18/10 = x/5$

$x = \underline{\quad 9 \quad}$

7. $12/20 = x/10$

$x = \underline{\quad 6 \quad}$

8. $x/8 = 8/4$

$x = \underline{\quad 16 \quad}$

9. $39/21 = n/7$

$n = \underline{\quad 13 \quad}$

10. $n/9 = 40/36$

$n = \underline{\quad 10 \quad}$

11. $n/9 = 48/27$

$n = \underline{\quad 16 \quad}$

12. $n/12 = 34/24$

$n = \underline{\quad 17 \quad}$

Unknown denominator

The missing number is a denominator. Solve for it.

1. $27/30 = 9/x$

$x = \underline{\quad 10 \quad}$

2. $5/n = 15/33$

$n = \underline{\quad 11 \quad}$

3. $2/x = 8/20$

$x = \underline{\quad 5 \quad}$

4. $12/n = 8/6$

$n = \underline{\quad 9 \quad}$

5. $5/x = 2/4$

$x = \underline{\quad 10 \quad}$

6. $4/30 = 2/x$

$x = \underline{\quad 15 \quad}$

7. $8/6 = 12/x$

$x = \underline{\quad 9 \quad}$

8. $21/6 = 7/x$

$x = \underline{\quad 2 \quad}$

9. $40/28 = 10/x$

$x = \underline{\quad 7 \quad}$

10. $8/18 = 4/x$

$x = \underline{\quad 9 \quad}$

11. $21/33 = 7/x$

$x = \underline{\quad 11 \quad}$

12. $6/4 = 9/n$

$n = \underline{\quad 6 \quad}$

Mixed proportions

Solve for the missing number. It may be on the top or the bottom.

1. $9/x = 18/4$

$x = \underline{\quad 2 \quad}$

2. $7/n = 14/36$

$n = \underline{\quad 18 \quad}$

3. $11/n = 33/30$

$n = \underline{\quad 10 \quad}$

4. $14/8 = x/4$

$x = \underline{\quad 7 \quad}$

5. $36/20 = x/5$

$x = \underline{\quad 9 \quad}$

6. $11/x = 44/36$

$x = \underline{\quad 9 \quad}$

7. $8/4 = 10/n$

$n = \underline{\quad 5 \quad}$

8. $4/20 = x/10$

$x = \underline{\quad 2 \quad}$

9. $12/n = 6/4$

$n = \underline{\quad 8 \quad}$

10. $2/n = 4/36$

$n = \underline{\quad 18 \quad}$

11. $36/15 = 12/x$

$x = \underline{\quad 5 \quad}$

12. $33/21 = n/7$

$n = \underline{\quad 11 \quad}$