

Unknown numerator

The missing number is a numerator. Solve for it.

1. $x/9 = 51/27$

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

2. $x/9 = 10/18$

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

3. $n/11 = 30/22$

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

4. $n/11 = 18/22$

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

5. $4/16 = x/8$

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

6. $64/36 = n/9$

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

7. $x/2 = 33/6$

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

8. $x/12 = 28/48$

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

9. $x/10 = 18/15$

$x = \underline{\quad 12 \quad}$

10. $x/6 = 44/24$

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

11. $n/8 = 36/16$

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

12. $n/8 = 27/24$

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

Unknown denominator

The missing number is a denominator. Solve for it.

1. $3/n = 9/39$

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

2. $30/21 = 10/x$

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

3. $2/x = 6/51$

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

4. $16/28 = 4/n$

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

5. $20/16 = 10/x$

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

6. $9/n = 27/39$

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

7. $2/x = 6/45$

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

8. $8/x = 12/27$

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

9. $2/n = 8/52$

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

10. $11/n = 22/32$

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

11. $3/x = 12/28$

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

12. $8/2 = 12/n$

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

Mixed proportions

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

1. $40/12 = n/3$

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

2. $4/x = 12/21$

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

3. $44/36 = n/9$

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

4. $9/3 = 6/x$

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

5. $n/6 = 20/24$

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

6. $4/10 = n/5$

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

7. $32/20 = x/10$

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

8. $36/40 = n/10$

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

9. $6/n = 4/2$

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

10. $n/3 = 12/9$

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

11. $33/45 = 11/x$

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

12. $27/3 = x/2$

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