

Algebra Equations 1b - Adding and Subtracting

Short Answer

1. $a + 13 = 36$

2. $23 + y = 8$

3. $a - 25 = 11$

4. $r + 6 = -15$

5. $13 + a = -32$

6. $y - 50 = -34$

7. $31 = y + 20$

8. $8 = 10 + y$

9. $23 = t - 11$

10. $-7 = a + 21$

11. $-22 = 12 + t$

12. $-5 = m - 22$

Algebra Equations 1b - Adding and Subtracting Answer Section

SHORT ANSWER

1. ANS:

23

$$a + 13 = 36$$

$$\begin{array}{r} -13 \quad -13 \\ \hline a = 23 \end{array}$$

2. ANS:

-15

$$23 + y = 8$$

$$\begin{array}{r} -23 \quad -23 \\ \hline y = -15 \end{array}$$

3. ANS:

36

$$a - 25 = 11$$

$$\begin{array}{r} +25 \quad +25 \\ \hline a = 36 \end{array}$$

4. ANS:

-21

$$r + 6 = -15$$

$$\begin{array}{r} -6 \quad -6 \\ \hline r = -21 \end{array}$$

5. ANS:

-45

$$13 + a = -32$$

$$\begin{array}{r} -13 \quad -13 \\ \hline a = -45 \end{array}$$

6. ANS:

16

$$y - 50 = -34$$

$$\begin{array}{r} +50 \quad +50 \\ \hline y = 16 \end{array}$$

7. ANS:

11

$$31 = y + 20$$

$$\begin{array}{r} -20 \quad -20 \\ \hline 11 = y \end{array}$$

$$y = 11$$

8. ANS:

-2

$$8 = 10 + y$$

$$\begin{array}{r} -10 \quad -10 \\ \hline -2 = y \end{array}$$

$$y = -2$$

9. ANS:

34

$$23 = t - 11$$

$$\begin{array}{r} +11 \quad +11 \\ \hline 34 = t \end{array}$$

$$t = 34$$

10. ANS:

-28

$$-7 = a + 21$$

$$\begin{array}{r} -21 \quad -21 \\ \hline -28 = a \end{array}$$

$$a = -28$$

11. ANS:

-34

$$-22 = 12 + t$$

$$\begin{array}{r} -12 \quad -12 \\ \hline -34 = t \end{array}$$

$$t = -34$$

12. ANS:

17

$$-5 = m - 22$$

$$\begin{array}{r} +22 \qquad +22 \\ \hline 17 = m \end{array}$$

$$m = 17$$