



Answers Beginning Algebra



Solve for 'x'. Write the corresponding letter in the space below that matches your answer.

1. $8 + x = 16$ A

$$\begin{aligned} 8 + x - 8 &= 16 - 8 \\ x &= 8 \end{aligned}$$

2. $2x - 8 = 6$ N

$$\begin{aligned} 2x - 8 + 8 &= 6 + 8 \\ 2x &= 14 \\ 2x/2 &= 14/2 \\ x &= 7 \end{aligned}$$

3. $x - 10 = 0$ B

$$\begin{aligned} x - 10 + 10 &= 0 + 10 \\ x &= 10 \end{aligned}$$

4. $4 + 3x = 7$ P

$$\begin{aligned} 4 + 3x - 4 &= 7 - 4 \\ 3x &= 3 \\ 3x/3 &= 3/3 \\ x &= 1 \end{aligned}$$

5. $2x + 5 = 9$ C

$$\begin{aligned} 2x + 5 - 5 &= 9 - 5 \\ 2x &= 4 \\ 2x/2 &= 4/2 \\ x &= 2 \end{aligned}$$

6. $4x - 4 = 16$ R

$$\begin{aligned} 4x - 4 + 4 &= 16 + 4 \\ 4x &= 20 \\ 4x/4 &= 20/4 \\ x &= 5 \end{aligned}$$

7. $9 + 2x = 17$ E

$$\begin{aligned} 9 + 2x - 9 &= 17 - 9 \\ 2x &= 8 \\ x &= 4 \end{aligned}$$

8. $6 + 2x = 24$ S

$$\begin{aligned} 6 + 2x - 6 &= 24 - 6 \\ 2x &= 18 \\ 2x/2 &= 18/2 \\ x &= 9 \end{aligned}$$

9. $3x - 6 = 3$ H

$$\begin{aligned} 3x - 6 + 6 &= 3 + 6 \\ 3x &= 9 \\ 3x/3 &= 9/3 \\ x &= 3 \end{aligned}$$

10. $3x + 5 = 23$ Y

$$\begin{aligned} 3x + 5 - 5 &= 23 - 5 \\ 3x &= 18 \\ 3x/3 &= 18/3 \\ x &= 6 \end{aligned}$$



What do witches put on their hair?

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| S | C | A | R | E | S | P | R | A | Y |
| 9 | 2 | 8 | 5 | 4 | 9 | 1 | 5 | 8 | 6 |