

Name: ..... Class: .....

Evaluate variable expressions with decimals, fractions, and mixed numbers.

Find the value of the expressions.

- $2 + s$ . Where  $s = 1/2$ .  
Write your answer as a fraction of mixed number or as a whole number.
- $t \times (10.5 + 2.5)$ . Where  $t = 11$ .
- $2.5 + x$ . where  $x = 3.4$ .
- $t \times 3$ . where  $t = 1.8$ .
- Find the value of the expression  $w \div (12 \frac{1}{2} \times 2 \frac{1}{2})$ , where  $s = 600$ .  
Give your answer as a mixed fraction.
- Find the value of the expression  $172 + 45.23 \times 2 - u$ , where  $u = 69.01$ .
- Find the value of the expression  $v \times 5 \frac{1}{2} \div \frac{1}{4}$ , where  $V = \frac{1}{2}$ .
- Find the values of the expression  $s \times (25.76 - 11.5 + u - 78.23)$ , where  $s = 12.36$  and  $u = 152.328$ .  
Write your answer to the nearest whole number.

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Evaluate variable expressions with decimals, fractions, and mixed numbers.

Find the value of the expressions.

**1.**  $2 + s$ . Where  $s = 1/2$ .

Write your answer as a fraction of mixed number or as a whole number.

Substitute  $1/2$  in  $2 + s$ .

$$\Rightarrow 2 + s = 2 + \frac{1}{2}$$

Evaluate the expression.

$$2 + \frac{1}{2} = 2\frac{1}{2}$$

$$\text{So, } 2 + s = 2\frac{1}{2}$$

**2.** So,  $t \times (10.5 + 2.5) = 143$ .

**3.** So,  $2.5 + x = 5.9$ .

**4.** So,  $t \times 3 = 5.4$ .

**5.** So,  $w \div (12\frac{1}{2} \times 2\frac{1}{2}) = 19\frac{1}{5}$ .

**6.** So,  $172 + 45.23 \times 2 - u = 193.45$ .

**7.** So,  $v \times 5\frac{1}{2} \div \frac{1}{4} = 11$ .

**8.** So,  $s \times (25.76 - 11.5 + u - 78.23) = 1,092$ .