

K I	CI	
Name:	Class:	Francosconocas

Complete the mixed - number multiplication sentence

Solve the variables in the following problems. Write your answer as a fraction, or as a whole number or mixed number.

a.
$$u \times 12 \frac{1}{2} = 2$$

b.
$$v \times 10^{\frac{1}{2}} = 2^{\frac{2}{7}}$$

c.
$$6\frac{1}{3} \times W = 11\frac{1}{2}$$

d.
$$t \times \frac{3}{4} = 2\frac{1}{4}$$

e.
$$s \times 3\frac{1}{2} = 5\frac{1}{4}$$

f.
$$5\frac{2}{9} \times q = 6$$

g.
$$v \times \frac{2}{5} = 2\frac{1}{5}$$

h.
$$w \times 6\frac{2}{3} = 2\frac{3}{5}$$

i.
$$2\frac{3}{9} \times r = 9$$

j.
$$7\frac{3}{5} \times t = 5$$





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Complete the mixed - number multiplication sentence

	-	t y 3 - 2 1
$u \times 12 \frac{1}{2} = 2$ Divide both sides by 12 \(\frac{1}{2} \) to find u	u.	t x $\frac{3}{4}$ = $2\frac{1}{4}$ Divide both sides by $\frac{3}{4}$ to find t.
Divide both sides by $12\frac{1}{2}$ to find u.		bivide both sides by 4 to find t.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$\frac{1}{4} \times \frac{3}{4} = \frac{2\frac{1}{4}}{\frac{3}{4}}$
$u = 2 \div 12 \frac{1}{2}$		4 4
9 2 12 2		$u = 2\frac{1}{4} \div \frac{3}{4}$ Convert $2\frac{1}{4}$ to an improper frac
Convert 12 1/2 to an improper fraction.		
$2 \div \frac{(12 \times 2)^2 + 1}{2} = \frac{2}{1} \div \frac{25}{2}$		$(4\times2)+1 \div \frac{3}{4} = \frac{9}{4} \div \frac{3}{4}$
2 1 2		4 4 4 4
$u = \frac{2}{1} \times \frac{2}{25}$		$t = \frac{9}{4} \times \frac{4}{3}$
		4 3
$\left(u = \frac{4}{25}\right)$		(t = 3)
23)		
$v \times 10^{\frac{1}{2}} = 2^{\frac{2}{7}}$	e.	$s \times 3\frac{1}{2} = 5\frac{1}{4}$
$v = \frac{32}{147}$		$(s = 1\frac{1}{2})$
$6\frac{1}{3} \times W = 11\frac{1}{2}$	f.	$5\frac{2}{9} \times q = 6$
3 7 1 2		9 19
$W = 1\frac{31}{38}$		$W = 1\frac{7}{47}$
W 138		(** 47)