

## Fractions of a Whole Number 4

Sometimes the information we are given tells us what the **fraction of the whole number** is worth. In these cases we then have to calculate what the **original whole number** was. In these cases we must first **divide** the **number** we have by the **numerator** and then **multiply** the **answer** by the **denominator**.

Example:  $\frac{2}{5}$  of a group of people = 20.      How many people are in the whole group?

Step 1:  $20 \div 2 = 10$

Step 2:  $10 \times 5 = 50$

So  $\frac{2}{5} = 20$  and  $\frac{5}{5} = 50$

Complete the following table using the same method.

<i>Number the fraction is worth</i>	<i>Calculation</i>	<i>Original Number</i>
$\frac{1}{4} = 12$	$12 \div 1 = 12. 12 \times 4 = 48$	48
$\frac{3}{4} = 42$		
$\frac{1}{7} = 14$		
$\frac{8}{11} = 64$		
$\frac{3}{9} = 30$		
$\frac{2}{3} = 48$		
$\frac{9}{12} = 45$		
$\frac{5}{15} = 30$		
$\frac{7}{9} = 56$		
$\frac{10}{13} = 70$		

<i>Number the fraction is worth</i>	<i>Calculation</i>	<i>Original Number</i>
$\frac{1}{4} = 12$	$12 \div 1 = 12. 12 \times 4 = 48$	48
$\frac{3}{4} = 42$	$42 \div 3 = 14. 14 \times 4 = 56$	56
$\frac{1}{7} = 14$	$7 \times 14 = 98$	98
$\frac{8}{11} = 64$	$64 \div 8 = 8. 8 \times 11 = 88$	88
$\frac{3}{9} = 30$	$30 \div 3 = 10. 10 \times 9 = 90$	90
$\frac{2}{3} = 48$	$48 \div 2 = 24. 24 \times 3 = 72$	72
$\frac{9}{12} = 45$	$45 \div 9 = 5. 5 \times 12 = 60$	60
$\frac{5}{15} = 30$	$30 \div 5 = 6. 6 \times 15 = 90$	90
$\frac{7}{9} = 56$	$56 \div 7 = 8. 8 \times 9 = 72$	72
$\frac{10}{13} = 70$	$70 \div 10 = 7. 7 \times 13 = 91$	91