

Fractions of a Whole Number 3

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
$\frac{2}{7} = 22$		
$\frac{5}{9} = 15$		
$\frac{3}{5} = 60$		
$\frac{5}{8} = 25$		
$\frac{2}{9} = 24$		
$\frac{8}{9} = 64$		
$\frac{7}{12} = 49$		
$\frac{5}{8} = 25$		
$\frac{3}{4} = 90$		

Fractions of a Whole Number 3 - ANSWERS

<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
$\frac{2}{7} = 22$	$22 \div 2 = 11. 11 \times 7 = 77$	77
$\frac{5}{9} = 15$	$15 \div 5 = 3. 3 \times 9 = 27$	27
$\frac{3}{5} = 60$	$60 \div 3 = 20. 20 \times 5 = 100$	100
$\frac{5}{8} = 25$	$25 \div 5 = 5. 5 \times 8 = 40$	40
$\frac{2}{9} = 24$	$24 \div 2 = 12. 12 \times 9 = 108$	108
$\frac{8}{9} = 64$	$64 \div 8 = 8. 8 \times 9 = 72$	72
$\frac{7}{12} = 49$	$49 \div 7 = 7. 7 \times 12 = 84$	84
$\frac{3}{8} = 36$	$36 \div 3 = 12. 12 \times 8 = 96$	96
$\frac{3}{4} = 90$	$90 \div 3 = 20. 20 \times 4 = 80$	80