Fractions of a Whole Number 2

Think about what happens when you find half of a number. Yes we divide it by 2. The **denominator** is 2. This gives us a clue as to how we can find other **fractions** of **whole numbers.** First divide the **whole number** by the **denominator** and then multiply the answer by the **numerator.**

Example: $\frac{2}{5}$ of 20

Step 1: $20 \div 5 = 4$

Step 2: $4 \times 2 = 8$

So $\frac{2}{5}$ of 20 = 8

Complete the following table using the same method.

| ***Fraction of Whole Number*** | ***Calculation*** | ***New Number*** |
|---|---|---|
| $\frac{1}{4}$ of 12 | $12 \div 4 = 3$. $3 \times 1 = 3$ | $\frac{1}{4}$ of 12 = 3 |
| $\frac{4}{7}$ of 14 | | |
| $\frac{5}{6}$ of 66 | | |
| $\frac{2}{5}$ of 120 | | |
| $\frac{3}{8}$ of 48 | | |
| $\frac{7}{9}$ of 63 | | |
| $\frac{2}{11}$ of 44 | | |
| $\frac{3}{12}$ of 60 | | |
| $\frac{5}{8}$ of 56 | | |
| $\frac{3}{4}$ of 800 | | |

Fractions of a Whole Number 2 - ANSWERS

| ***Fraction of Whole Number*** | ***Calculation*** | ***New Number*** |
|---|---|---|
| $\frac{1}{4}$ of 12 | 12 ÷ 4 = 3. 3 x 1 = 3 | $\frac{1}{4}$ of 12 = 3 |
| $\frac{4}{7}$ of 14 | 14 ÷ 7 = 2. 2 x 4 = 8 | $\frac{4}{7}$ of 14 = 8 |
| $\frac{5}{6}$ of 66 | 66 ÷ 6 = 11. 11 x 5 = 55 | $\frac{5}{6}$ of 66 = 55 |
| $\frac{2}{5}$ of 120 | 120 ÷ 5 = 24. 24 x 2 = 48 | $\frac{2}{5}$ of 120 = 48 |
| $\frac{3}{8}$ of 48 | 48 ÷ 8 = 6. 6 x 3 = 18 | $\frac{3}{8}$ of 48 = 18 |
| $\frac{7}{9}$ of 63 | 63 ÷ 9 = 7. 7 x 7 = 49 | $\frac{7}{9}$ of 63 = 49 |
| $\frac{2}{11}$ of 44 | 44 ÷ 11 = 4. 4 x 2 = 8 | $\frac{2}{11}$ of 44 = 8 |
| $\frac{3}{12}$ of 60 | 60 ÷ 12 = 5. 5 x 3 = 15 | $\frac{3}{12}$ of 60 = 15 |
| $\frac{5}{8}$ of 56 | 56 ÷ 8 = 7. 7 x 5 = 35 | $\frac{5}{8}$ of 56 = 35 |
| $\frac{3}{4}$ of 800 | 800 ÷ 4 = 200. 200 x 3 = 600 | $\frac{3}{4}$ of 800 = 600 |