**Finding a fraction of a quantity (solutions)**

Complete each of these statements:

* To work out $\frac{1}{2}$ of something we divide it by $2$ e.g. $\frac{1}{2}$ of $18=9$
* To work out $\frac{1}{3}$ of something we divide it by $3$ e.g. $\frac{1}{3}$ of $15=5$
* To work out $\frac{1}{4}$ of something we divide it by $4$ e.g. $\frac{1}{4}$ of $28=7$
* To work out $\frac{1}{5}$ of something we divide it by $5$ e.g. $\frac{1}{5}$ of $30=6$
* To work out $\frac{1}{n}$ of something we divide it by $n$

Exercise A

1. Find $\frac{1}{2}$ of $20$.

$$20÷2=10$$

1. Find $\frac{1}{2}$ of $14$.

$$14÷2=7$$

$$60÷12=5$$

1. Find $\frac{1}{3}$ of $12$.

$$12÷3=4$$

$$56÷8=7$$

1. Find $\frac{1}{3}$ of $18$.

$$18÷3=6$$

$$84÷7=12$$

1. Find $\frac{1}{4}$ of $20$.

$$20÷4=5$$

1. Find $\frac{1}{4}$ of $28$.

$$28÷4=7$$

$$174÷2=87$$

1. Find $\frac{1}{5}$ of $100$.

$$100÷5=20$$

$$126÷3=42$$

1. Find $\frac{1}{5}$ of $40$.

$$40÷5=8$$

$$235÷5=47$$

1. Find $\frac{1}{6}$ of $18$.

$$18÷6=3$$

$$96÷6=16$$

1. Find $\frac{1}{6}$ of $42$.

$$42÷6=7$$

$$217÷7=31$$

1. Find $\frac{1}{9}$ of $36$.

$$36÷9=4$$

1. Find $\frac{1}{12}$ of $60$.
2. Find $\frac{1}{8}$ of $56$.
3. Find $\frac{1}{7}$ of $84$.
4. Find $\frac{1}{3}$ of $48$.

$$48÷3=16$$

1. Find $\frac{1}{2}$ of $174$.
2. Find $\frac{1}{3}$ of $126$.
3. Find $\frac{1}{5}$ of $235$.
4. Find $\frac{1}{6}$ of $96$.
5. Find $\frac{1}{7}$ of $217$.

Complete these statements:

* To work out $\frac{2}{3}$ of something we divide it by $3$ and then multiply the answer by $2$
* To work out $\frac{4}{5}$ of something we divide it by $5$ and then multiply the answer by $4$
* To work out $\frac{3}{7}$ of something we divide it by $7$ and then multiply the answer by $3$
* To work out $\frac{5}{8}$ of something we divide it by $8$ and then multiply the answer by $5$
* To work out $\frac{m}{n}$ of something we divide it by $n$ and then multiply the answer by $m$

Exercise B

1. Find $\frac{2}{3}$ of $18$.

$$18÷3×2=12$$

1. Find $\frac{2}{3}$ of $60$.

$$60÷3×2=40$$

$$72÷8×5=45$$

$$40÷5×2=16$$

$$108÷9×7=84$$

$$20÷4×3=15$$

$$66÷11×5=30$$

$$35÷7×2=10$$

$$84÷12×5=35$$

$$24÷6×5=20$$

$$63÷7×6=54$$

$$32÷8×3=12$$

$$56÷8×3=21$$

$$54÷9×2=12$$

$$39÷13×2=6$$

$$60÷5×4=48$$

$$100÷25×7=28$$

$$90÷3×2=60$$

$$240÷15×8=128$$

1. Find $\frac{2}{5}$ of $40$.
2. Find $\frac{3}{4}$ of $20$.
3. Find $\frac{2}{7}$ of $35$.
4. Find $\frac{5}{6}$ of $24$.
5. Find $\frac{3}{8}$ of $32$.
6. Find $\frac{2}{9}$ of $54$.
7. Find $\frac{4}{5}$ of $60$.
8. Find $\frac{2}{3}$ of $90$.
9. Find $\frac{4}{7}$ of $42$.

$$42÷7×4=24$$

1. Find $\frac{5}{8}$ of $72$.
2. Find $\frac{7}{9}$ of $108$.
3. Find $\frac{5}{11}$ of $66$.
4. Find $\frac{5}{12}$ of $84$.
5. Find $\frac{6}{7}$ of $63$.
6. Find $\frac{3}{8}$ of $56$.
7. Find $\frac{2}{13}$ of $39$.
8. Find $\frac{7}{25}$ of $100$.
9. Find $\frac{8}{15}$ of $240$.