

Proportion: 2 equal ratios

Cross multiply

$$\frac{2}{5} \times \frac{w}{15}$$

$$30 = 5w$$
$$w = 30 \div 5$$
$$w = 6$$

Ratio of rats to mice was
3 to 5. If there are 45 rats,
how many mice are there?

Ratio Actual

Rats	3	45
mice	5	m

$$\frac{3}{5} \times \frac{45}{m}$$

$$3m = 225$$
$$m = 225 \div 3$$
$$m = 75$$

Ratio of boys to girls is
 12 to 17. How many girls are
 there if there are 48 boys?

	Ratio	A.C.
boys	12	48
girls	17	g

$$12g = 816$$

$$g = 816 \div 12$$

$$g = 68$$

	R	AC
G	5	g
T	8	16

$$\frac{5 \times 2}{8 \times 2} = \frac{g}{16}$$

$$g = 10$$

L53

#1-3

6-9

12,14-25

30