

## Exercise 19

1. (a)  $8 \times \frac{1}{8} = 1$       (b)  $13 \times \frac{1}{13} = 1$       (c)  $9 \times \frac{1}{9} = 1$   
(d)  $\frac{1}{5} \times 5 = 1$       (e)  $\frac{1}{16} \times 16 = 1$       (f)  $\frac{1}{15} \times 15 = 1$

2. (a)  $\frac{1}{7} \times 7 = 1$       (b)  $\frac{1}{19} \times 19 = 1$       (c)  $\frac{17}{105} \times \frac{105}{17} = 1$   
(d)  $\frac{13}{2} \times \frac{2}{13} = 1$       (e)  $\frac{8}{21} \times \frac{21}{8} = 1$       (f)  $\frac{11}{17} \times \frac{17}{11} = 1$

3. (a)  $27 = \frac{1}{27}$       (b)  $100 = \frac{1}{100}$       (c)  $\frac{1}{14} = \frac{14}{1}$   
(d)  $\frac{1}{22} = \frac{22}{1}$       (e)  $\frac{1}{75} = \frac{75}{1}$       (f)  $\frac{4}{11} = \frac{11}{4}$   
(g)  $2\frac{3}{4} = \frac{11}{4} = \frac{4}{11}$       (h)  $\frac{11}{8} = \frac{8}{11}$

4. (a) Every whole number other than 0 has a multiplicative inverse. T

(b) There is no number whose multiplicative inverse is the number itself. F