

## Exercise 15

1. (a)  $3 \times \frac{1}{4}$   
 $= \frac{3}{1} \times \frac{1}{4} = \frac{3}{4}$

(b)  $6 \times \frac{3}{5}$   
 $= \frac{6}{1} \times \frac{3}{5} = \frac{18}{5}$

(c)  $2 \times \frac{4}{7}$   
 $= \frac{2}{1} \times \frac{4}{7} = \frac{8}{7}$

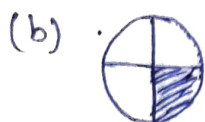
(d)  $4 \times \frac{2}{3}$   
 $= \frac{4}{1} \times \frac{2}{3} = \frac{8}{3}$

2. (a) 

Shade  $1 \times \frac{1}{3} = \frac{1}{3}$



Shade  $2 \times \frac{1}{3} = \frac{2}{3}$



Shade  $1 \times \frac{1}{4} = \frac{1}{4}$



Shade  $3 \times \frac{1}{4} = \frac{3}{4}$



Shade  $1 \times \frac{1}{2} = \frac{1}{2}$



Shade  $5 \times \frac{1}{2} = \frac{5}{2}$

3. (a)  $2 \times \frac{1}{5} = \frac{2}{5}$

(b)  $5 \times \frac{1}{8} = \frac{5}{8}$

(c)  $7 \times \frac{1}{8} = \frac{7}{8}$

(d)  $3 \times \frac{3}{7} = \frac{9}{7}$

(e)  $8 \times \frac{5}{32} = \frac{40}{32} = \frac{5}{4}$

(f)  $24 \times \frac{7}{4} = 42$

4. (a)  $3 \times 1 \frac{1}{2}$   
 $= 3 \times \frac{3}{2} = \frac{9}{2}$

(b)  $5 \text{ by } 2 \frac{1}{2}$

$= 5 \times \frac{5}{2} = \frac{25}{2}$

(c)  $4 \text{ by } 3 \frac{1}{3}$

$= 4 \times \frac{10}{3} = \frac{40}{3}$

(d)  $6 \text{ by } 7 \frac{1}{7}$

$= 6 \times \frac{50}{7} = \frac{300}{7}$