Introducing Ratio

1. For each question, write the ratio of one group compared to the other.

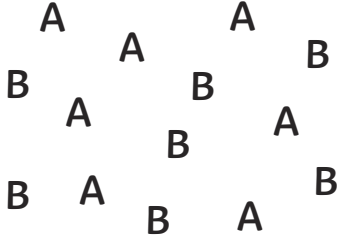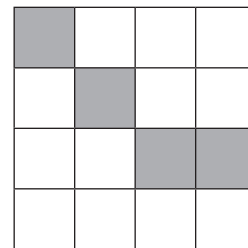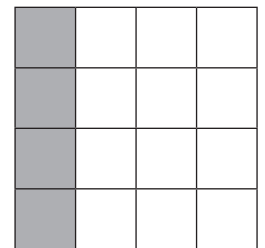| a. What is the ratio of grey to white?	b. What is the ratio of triangles to circles?	c. What is the ratio of ducks to frogs?
____ : ____	____ : ____	____ : ____
d. What is the ratio of apples to carrots?	e. What is the ratio of A to B?	f. What is the ratio of mugs to spoons?
____ : ____	____ : ____	____ : ____

2. For each grid, write the **unsimplified** ratio of shaded to unshaded squares. Then, rearrange the squares in the blank grid so that the ratio is represented in the simplest way. Using this, **simplify** the original ratio in the space below. An example has been done for you.

__4__ : __12__   __1__ : __3__

a.

____ : ____   ____ : ____

b.
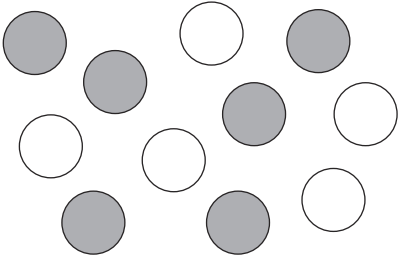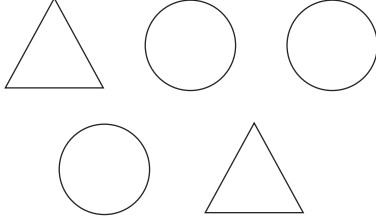
____ : ____   ____ : ____

3. Continue the sequences, counting on in multiples of the numbers in the first column to find equivalent ratios. The first one is done for you.

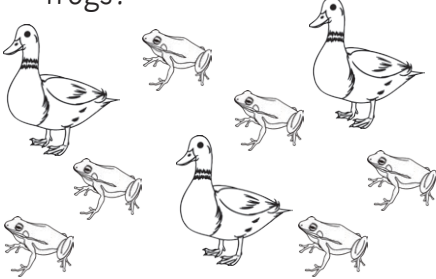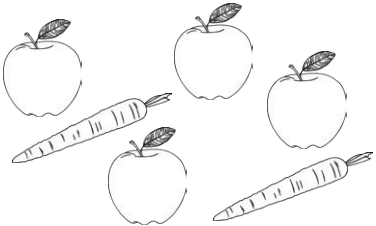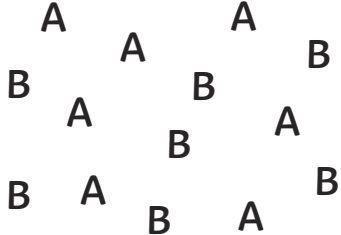| 1:2	2:4	3:6	4:8	5:10	6:12
1:4	2:8	3:12			
3:1	6:2				
2:5	4:10				
3:7					
4:5					

Introducing Ratio **Answers**

1. For each question, write the ratio of one group compared to the other.

a. What is the ratio of grey to white?	b. What is the ratio of triangles to circles?	c. What is the ratio of ducks to frogs?
6:5	**2:3**	**3:6 or 1:2**
d. What is the ratio of apples to carrots?	e. What is the ratio of A to B?	f. What is the ratio of mugs to spoons?
4:2	**7:7 or 1:1**	**6:8 or 3:4**

2. For each grid, write the **unsimplified** ratio of shaded to unshaded squares. Then, rearrange the squares in the blank grid so that the ratio is represented in the simplest way. Using this, **simplify** the original ratio in the space below. An example has been done for you.

_4_ : _12_   _1_ : _3_

a.

5:10   **1:2**

b.
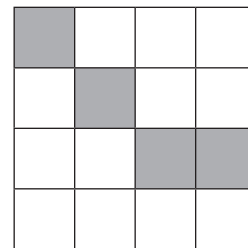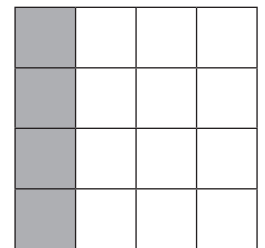
6:14   **3:7**

3. Continue the sequences, counting on in multiples of the numbers in the first column to find equivalent ratios. The first one is done for you.
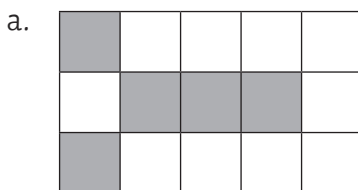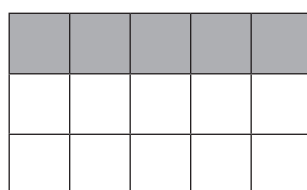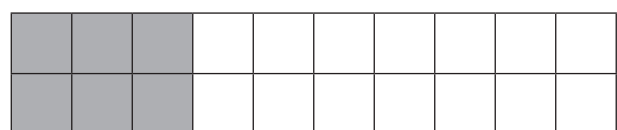
1:2	2:4	3:6	4:8	5:10	6:12
1:4	2:8	3:12	**4:16**	**5:20**	**6:24**
3:1	6:2	**9:3**	**12:4**	**15:5**	**18:6**
2:5	4:10	**6:15**	**8:20**	**10:25**	**12:30**
3:7	**6:14**	**9:21**	**12:28**	**15:35**	**18:42**
4:5	**8:10**	**12:15**	**16:20**	**20:25**	**24:30**