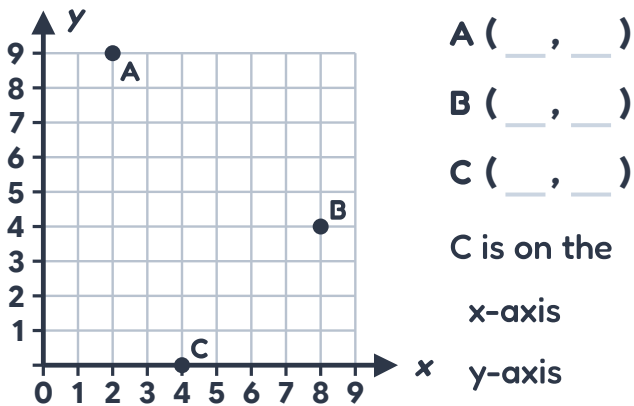


Coordinates and Patterns

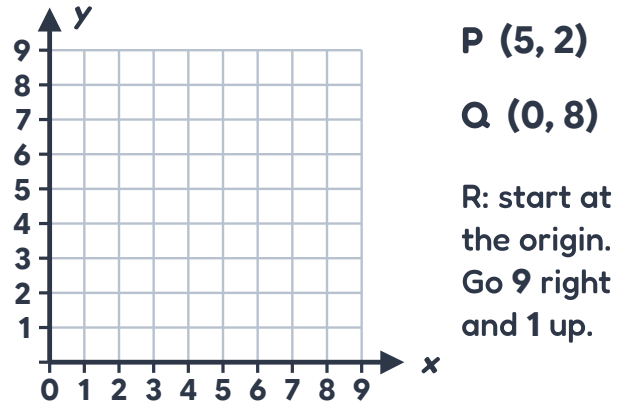
Unit Test, Form A (page 1 of 2)

Score _____ / 10

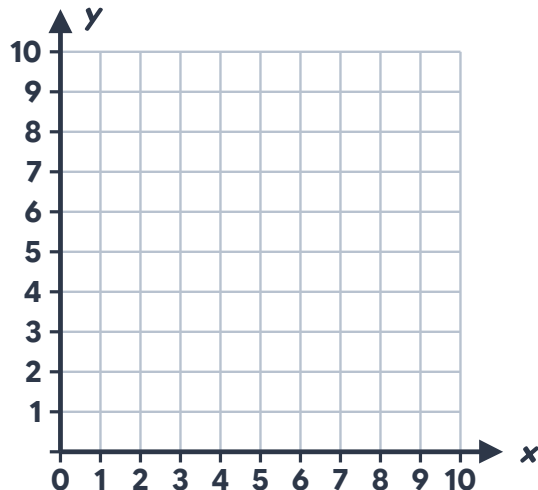
1. Write the ordered pair for each point. Circle the axis C is on.



2. Plot and label each point.

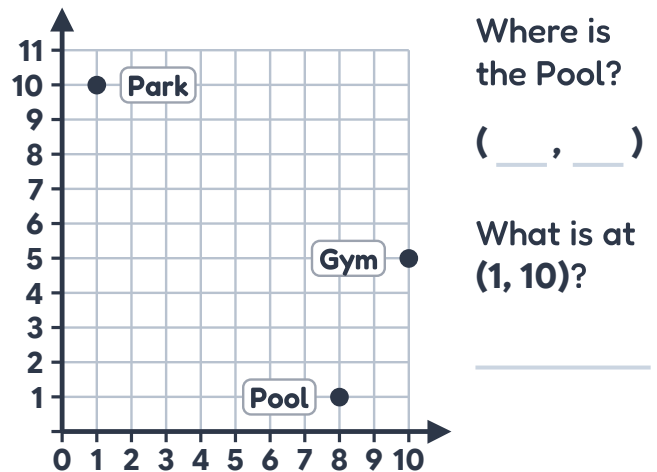


3. Plot and join the points. How long are sides AB and BC?



AB = _____ units, BC = _____ units

4. Use the map. Each unit is 1 block. Circle what the number means.



In the Gym's ordered pair, the 5 means

5 blocks right 5 blocks up

Coordinates and Patterns

Unit Test, Form A (page 2 of 2)

5. Both patterns start at 0. Fill in the table. Then compare the terms in each column.

A: Add 7	0				
B: Add 91	0				

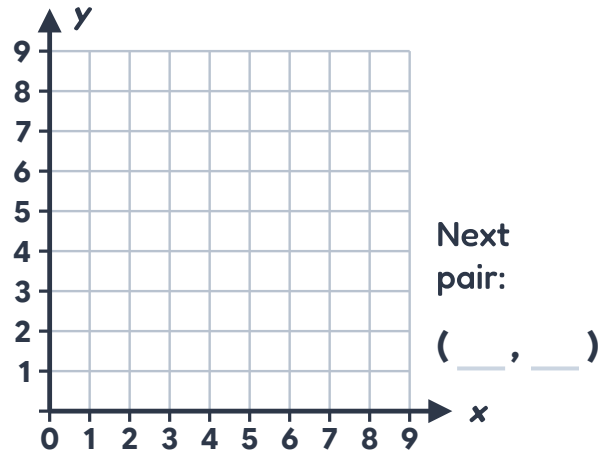
Each B term is _____ times its A term.

6. Fill in the table. Graph the pairs. Write the next pair.

x: start at 4, add 2.

y: start at 9, subtract 1.

x	4		
y	9		



7. Find the rule. Write it with n. Fill in the table.

In n	2	3	5	7
Out	28	42	70	

Out = _____

8. How does each y come from its x? Circle one. Write the rule.

x	1	2	4	5
y	30	60	120	150

Add
Multiply

y = _____

9. Write the next two numbers. Write the rule.

1.25, 1.75, 2.25, _____, _____

Rule: _____

10. Ana adds the same distance to her run each day. Fill in the table.

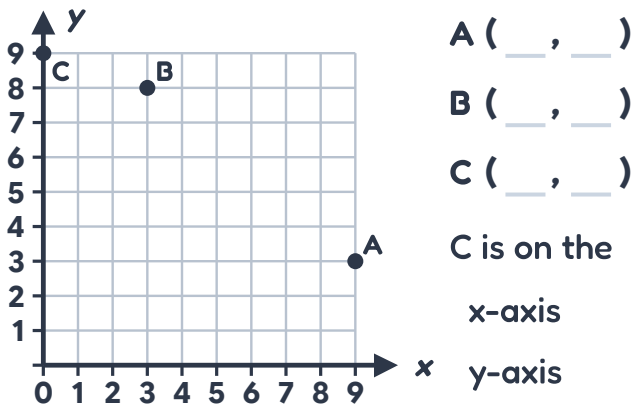
Day	1	2	3	4	5
Miles	$\frac{2}{3}$	$1\frac{1}{3}$	2		

Coordinates and Patterns

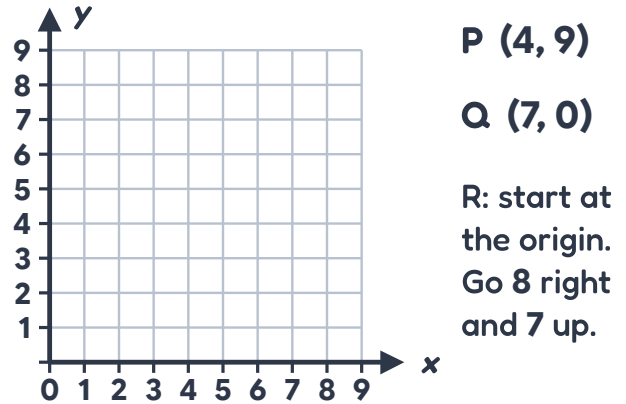
Unit Test, Form B (page 1 of 2)

Score _____ / 10

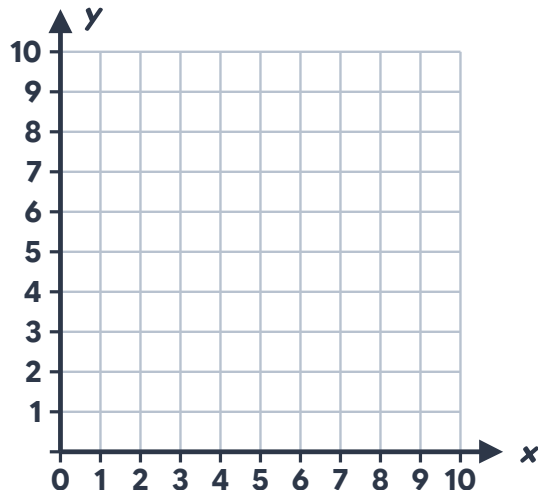
1. Write the ordered pair for each point. Circle the axis C is on.



2. Plot and label each point.

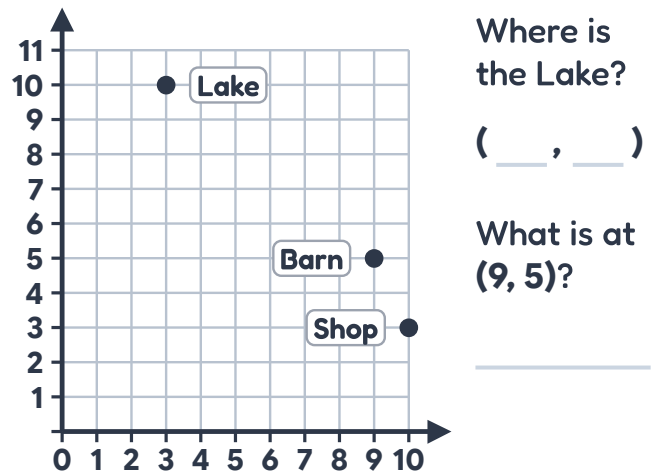


3. Plot and join the points. How long are sides AB and BC?



AB = _____ units, BC = _____ units

4. Use the map. Each unit is 1 block. Circle what the number means.



In the Shop's ordered pair, the 10 means

10 blocks right 10 blocks up

Coordinates and Patterns

Unit Test, Form B (page 2 of 2)

5. Both patterns start at 0. Fill in the table. Then compare the terms in each column.

A: Add 5	0				
B: Add 75	0				

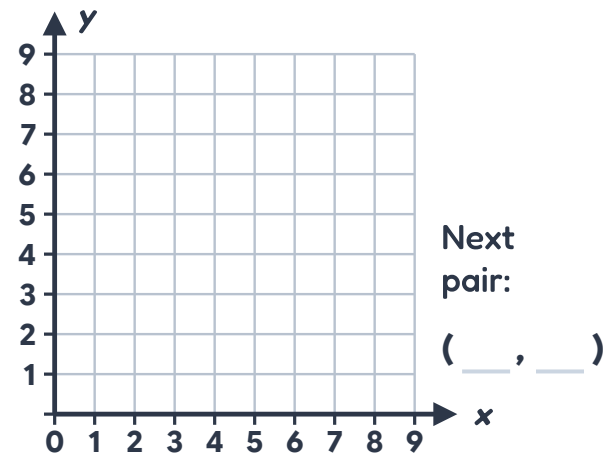
Each B term is _____ times its A term.

6. Fill in the table. Graph the pairs. Write the next pair.

x: start at 1, add 4.

y: start at 8, subtract 1.

x	1		
y	8		



7. Find the rule. Write it with n. Fill in the table.

In n	2	4	5	8
Out	50	100	125	

Out = _____

8. How does each y come from its x? Circle one. Write the rule.

x	3	4	7	9
y	29	30	33	35

Add
Multiply

y = _____

9. Write the next two numbers. Write the rule.

2.4, 2.7, 3, _____, _____

Rule: _____

10. Ben adds the same amount of sand to a pail each minute. Fill in the table.

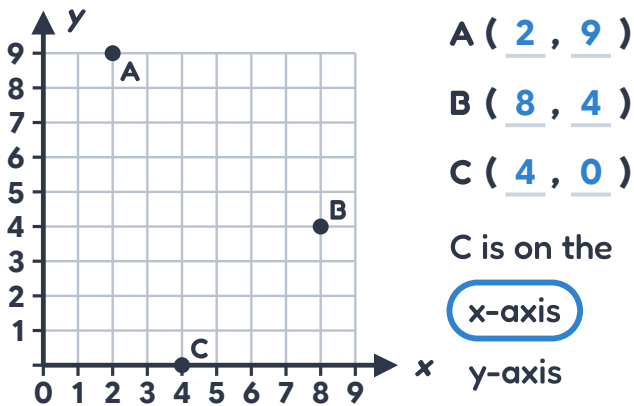
Minute	1	2	3	4	5
Pounds	$\frac{9}{10}$	$1\frac{3}{10}$	$1\frac{7}{10}$		

Coordinates and Patterns

Unit Test, Form A (page 1 of 2)

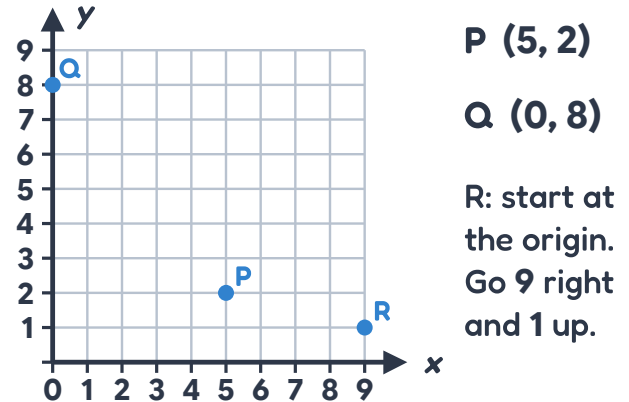
Score _____ / 10

1. Write the ordered pair for each point. Circle the axis C is on.



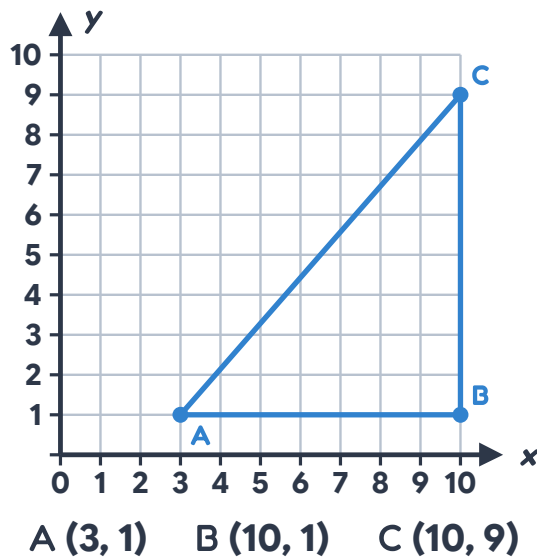
Lesson 14.1 · The coordinate plane

2. Plot and label each point.



Lesson 14.2 · Plot points

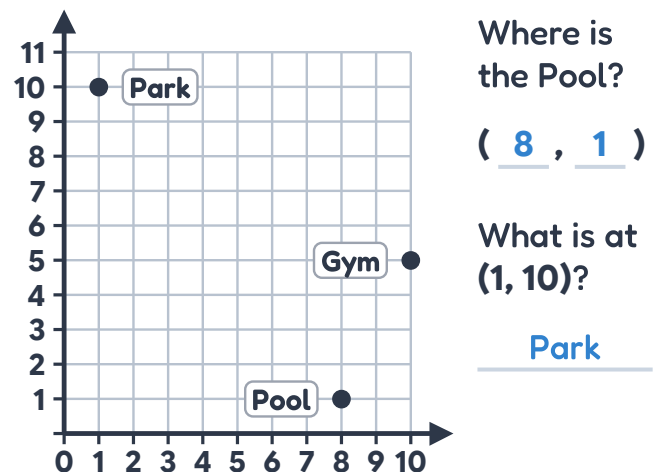
3. Plot and join the points. How long are sides AB and BC?



AB = 7 units, BC = 8 units

Lesson 14.3 · Join points; lengths on the grid

4. Use the map. Each unit is 1 block. Circle what the number means.



In the Gym's ordered pair, the 5 means

5 blocks right 5 blocks up

Lesson 14.4 · Points that tell a story

Coordinates and Patterns

Unit Test, Form A (page 2 of 2)

5. Both patterns start at 0. Fill in the table. Then compare the terms in each column.

A: Add 7	0	7	14	21	28
B: Add 91	0	91	182	273	364

Each B term is 13 times its A term.

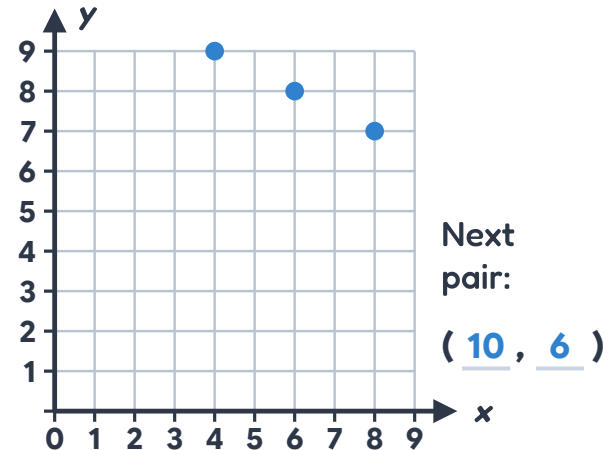
Lesson 14.5 · Two patterns from two rules

6. Fill in the table. Graph the pairs. Write the next pair.

x: start at 4, add 2.

y: start at 9, subtract 1.

x	4	6	8
y	9	8	7



Lesson 14.6 · Graph the pairs of two patterns

7. Find the rule. Write it with n. Fill in the table.

In n	2	3	5	7
Out	28	42	70	98

Out = $n \times 14$ One way

Lesson 14.7 · Input-output tables

8. How does each y come from its x? Circle one. Write the rule.

x	1	2	4	5
y	30	60	120	150

Add

Multiply

y = $30 \times x$ One way

Lesson 14.8 · Add or multiply?

9. Write the next two numbers. Write the rule.

1.25, 1.75, 2.25, 2.75, 3.25

Rule: Add 0.5 or add $1/2$

Lesson 14.9 · Patterns with fractions and decimals

10. Ana adds the same distance to her run each day. Fill in the table.

Day	1	2	3	4	5
Miles	$\frac{2}{3}$	$1\frac{1}{3}$	2	$2\frac{2}{3}$	$3\frac{1}{3}$

or an equal fraction

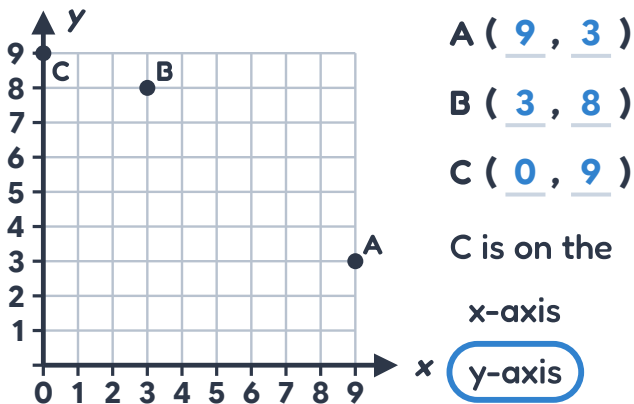
Lesson 14.9 · Patterns with fractions and decimals

Coordinates and Patterns

Unit Test, Form B (page 1 of 2)

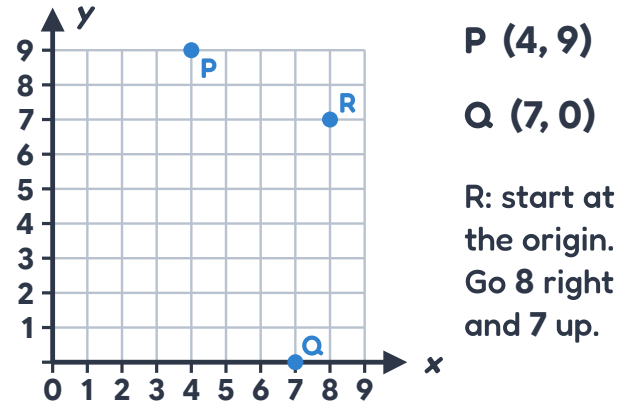
Score _____ / 10

1. Write the ordered pair for each point. Circle the axis C is on.



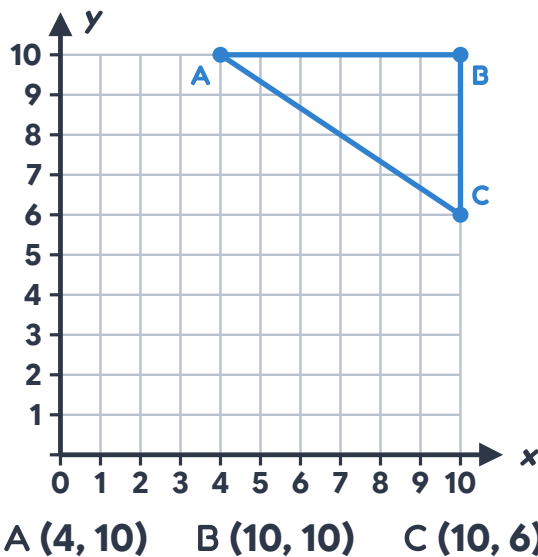
Lesson 14.1 · The coordinate plane

2. Plot and label each point.



Lesson 14.2 · Plot points

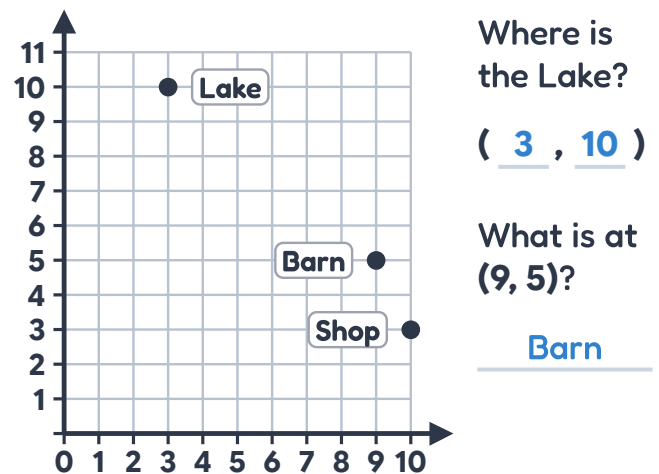
3. Plot and join the points. How long are sides AB and BC?



AB = 6 units, BC = 4 units

Lesson 14.3 · Join points; lengths on the grid

4. Use the map. Each unit is 1 block. Circle what the number means.



In the Shop's ordered pair, the 10 means

10 blocks right 10 blocks up

Lesson 14.4 · Points that tell a story

Coordinates and Patterns

Unit Test, Form B (page 2 of 2)

5. Both patterns start at 0. Fill in the table. Then compare the terms in each column.

A: Add 5	0	5	10	15	20
B: Add 75	0	75	150	225	300

Each B term is 15 times its A term.

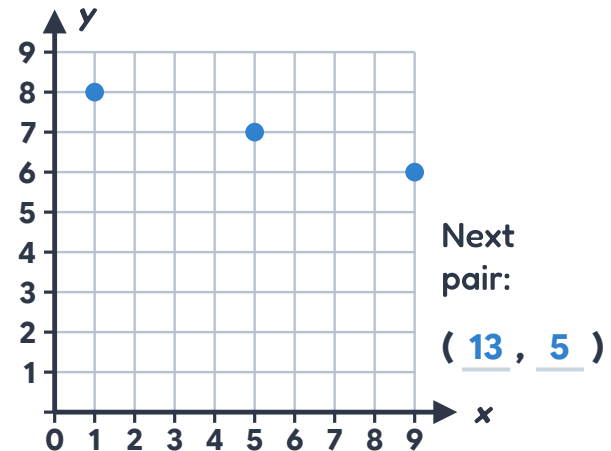
Lesson 14.5 · Two patterns from two rules

6. Fill in the table. Graph the pairs. Write the next pair.

x: start at 1, add 4.

y: start at 8, subtract 1.

x	1	5	9
y	8	7	6



Lesson 14.6 · Graph the pairs of two patterns

7. Find the rule. Write it with n. Fill in the table.

In n	2	4	5	8
Out	50	100	125	200

Out = $n \times 25$ One way

Lesson 14.7 · Input-output tables

8. How does each y come from its x? Circle one. Write the rule.

x	3	4	7	9
y	29	30	33	35

Add

Multiply

y = $x + 26$ One way

Lesson 14.8 · Add or multiply?

9. Write the next two numbers. Write the rule.

2.4, 2.7, 3, 3.3, 3.6

Rule: Add 0.3 or add $3/10$

Lesson 14.9 · Patterns with fractions and decimals

10. Ben adds the same amount of sand to a pail each minute. Fill in the table.

Minute	1	2	3	4	5
Pounds	$\frac{9}{10}$	$1\frac{3}{10}$	$1\frac{7}{10}$	$2\frac{1}{10}$	$2\frac{1}{2}$

or an equal fraction

Lesson 14.9 · Patterns with fractions and decimals