

Name:

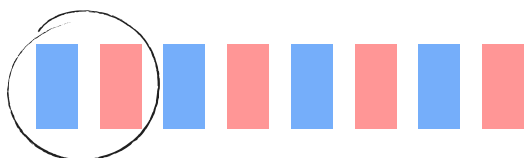

Class:

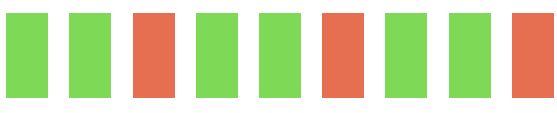

Recognize pattern cores, extend patterns, translate them, and create new ones.

1 Fill in the blanks:

A pattern has a _____ that is _____ over and over again.



2 Label the following patterns using the letters A and B. The first has been done for you:

 <p>A B A B A B A B</p>	 <p>_____</p>
--	---

 <p>_____</p>	 <p>_____</p>
---	--

3 Circle the core pattern in each of the above examples. The first has been done for you.

4 Label the following patterns using the letters A, B and C, then circle the core pattern:

 <p>_____</p>	 <p>_____</p>
--	---

 <p>_____</p>

5 Use shapes or colours to represent the following core patterns in your exercise books, repeating each pattern twice. Label the patterns.

A B

A A B

A B C

A B C C

A B A

A B B

A A B C

A B C A

Name:

Class:

Recognize pattern cores, extend patterns, translate them, and create new ones.

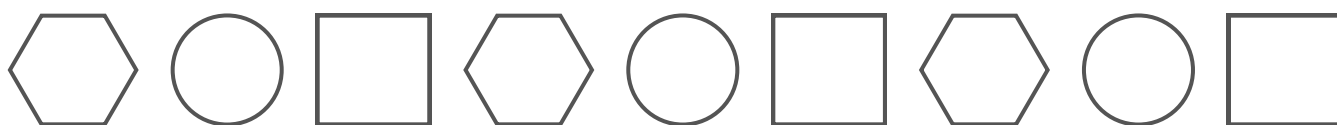
1. To illustrate a colour pattern, follow these steps:

1. Identify the core of the pattern
2. Circle the core
3. Colour the shapes accordingly

Do this for the following three patterns.



2. Provide the letter pattern for the given shape arrangement:



3. Identify the core pattern, circle it, and extend it twice.



Name:

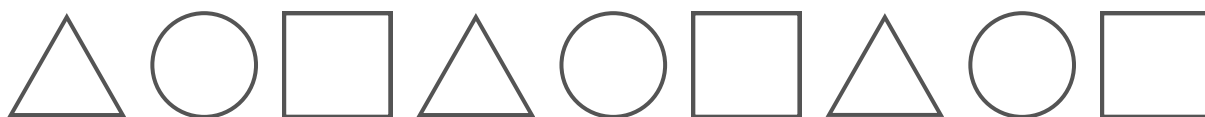
Class:

Recognize pattern cores, extend patterns, translate them, and create new ones.

3. Identify the patterns below and circle the shape/shapes that doesn't belong:



4. Create a fresh pattern by rearranging the shapes from this design.



Draw your new pattern below:

5. Continue this number pattern:

1 2 1 2 1 _____

6. Create a unique pattern with a partner using building materials to engage in a fun and challenging activity. Share your design with another group and challenge them to bring it to life.

Name:

Class:

Recognize pattern cores, extend patterns, translate them, and create new ones.

7. Colour the odd numbers green and the even numbers red, what pattern do you notice?

Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

7. What pattern do you see when you circle all numbers containing 0 and 5?



Translate the pattern you see above into a letter pattern (core plus two):

8. Use what you know about letter patterns (AB, ABB, AAB, ABC, ABCD, etc.) and use a shape template to create your own pattern on a long paper.