What comes next?

Cut and paste the correct picture to continue the pattern.
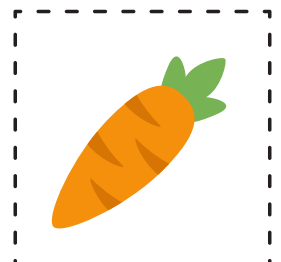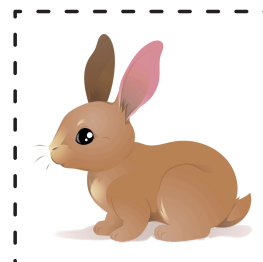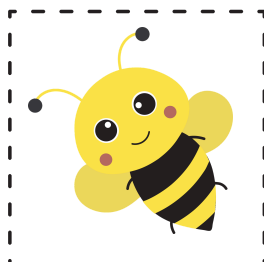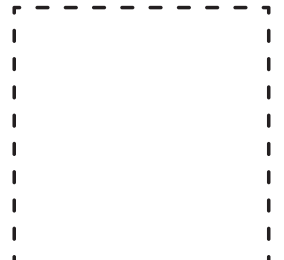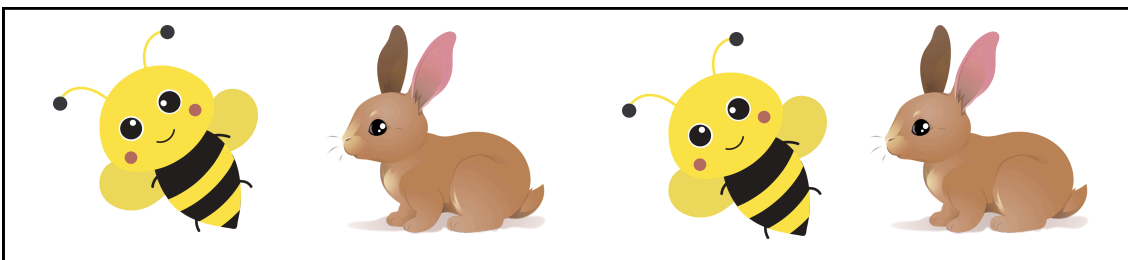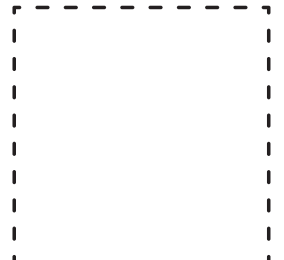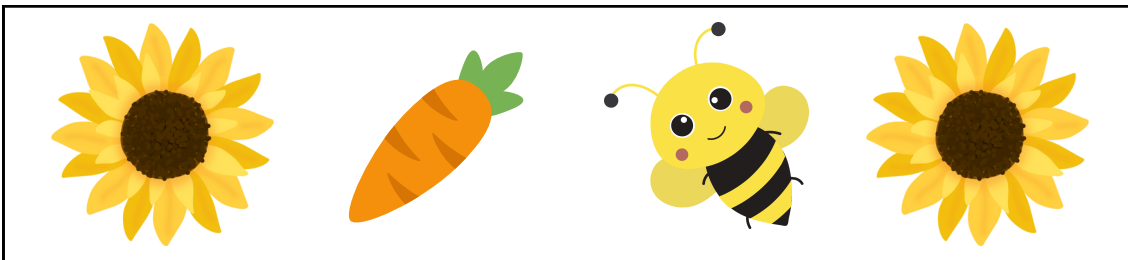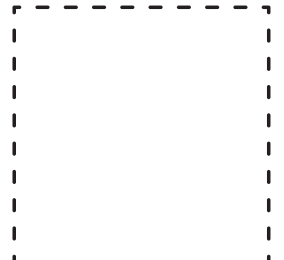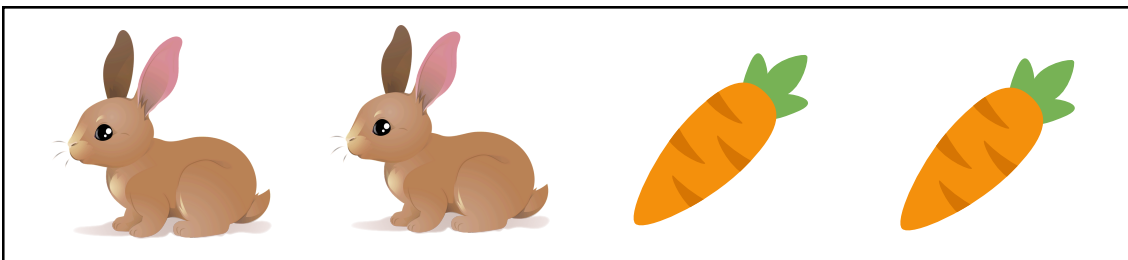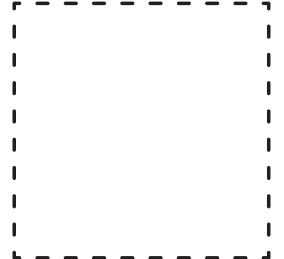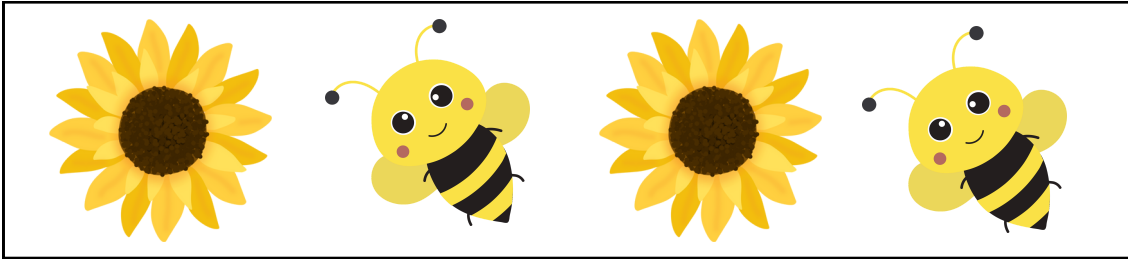
AB PATTERNS

Complete the patterns by choosing the correct colour that comes next.

Create your own AB pattern.

PATTERNS

name: _____

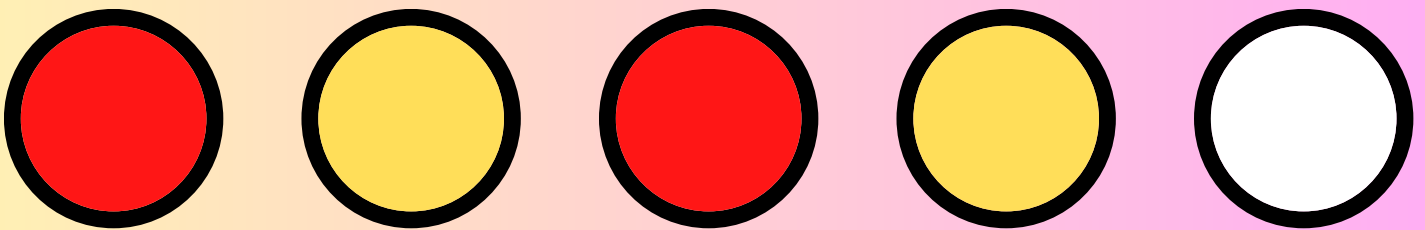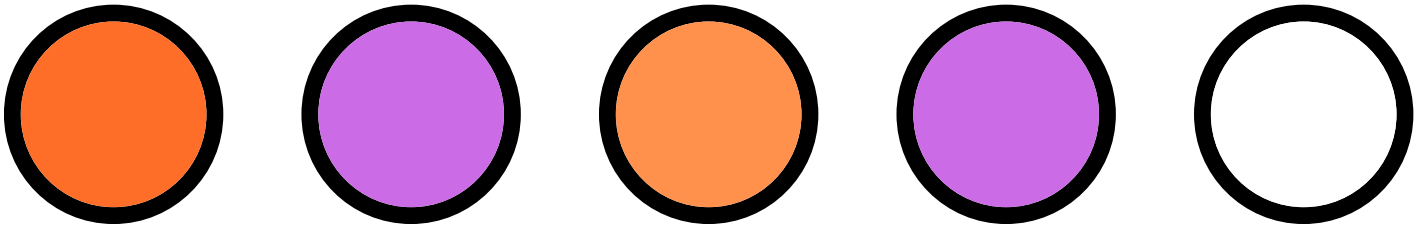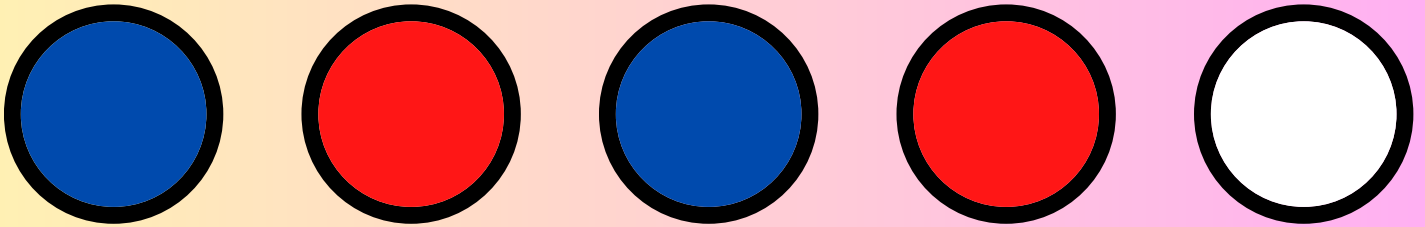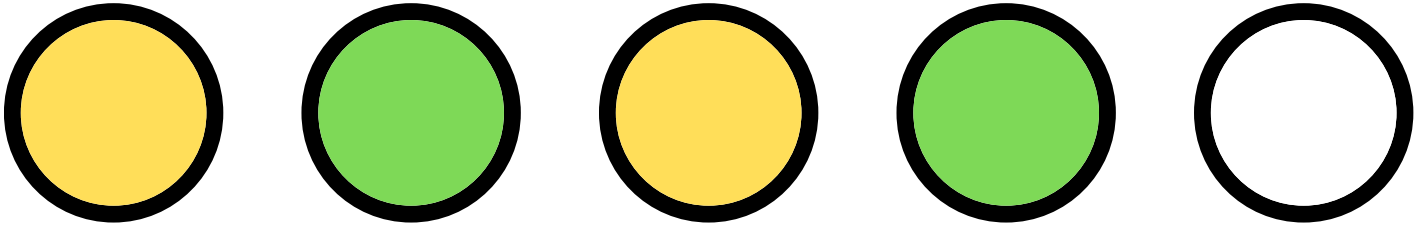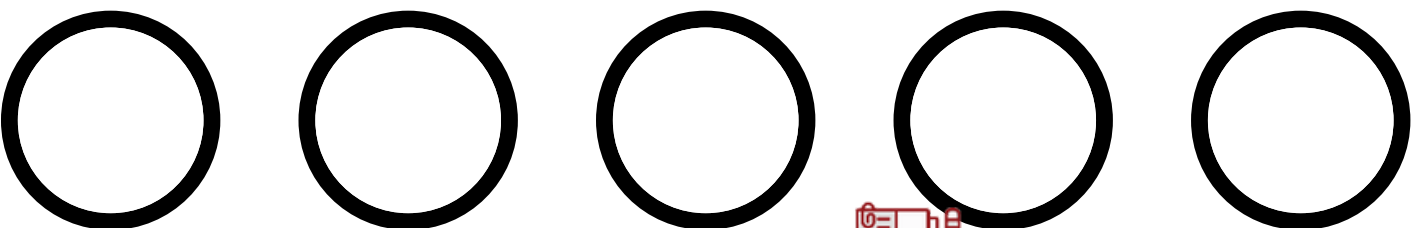**LEVEL 2** *The students will be able to recognize pattern cores, extend patterns, translate them, and create new ones.*
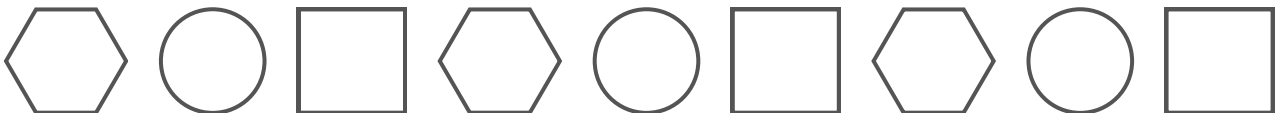
1. To illustrate a colour pattern, follow these steps:

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

    Do this for the following three patterns.

    a) □ △ □ △ △ △ △ △ □

    b) ○ □ △ ○ □ △ ○ □ △

    c) ⬡ △ △ ⬡ △ △ ⬡ △ △

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

    ⬡ ○ □ ⬡ ○ □ ⬡ ○ □

    _____ _____ _____ _____ _____ _____ _____ _____ _____

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

    △ ○ ○ △ ○ ○ __ __ __ __ __ __

    □ □ △ □ □ △ __ __ __ __ __ __

EDITABLE
WORKSHEET.COM

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

a) ○ ⬡ ♡ ○ ⬡ ♡ ☆ ⬡ ♡

b) ⬡ ○ ⬡ ○ ▢ ○ ⬡ ○ ⬡

c) ▯ △ ☆ ▯ △ ☆ △ △ ☆ ▯

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

△ ○ ▢ △ ○ ▢ △ ○ ▢
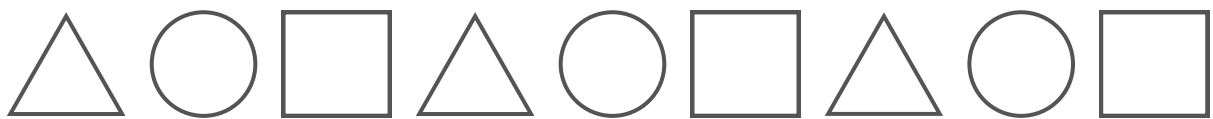
Draw your new pattern below:

___ ___ ___ ___ ___ ___ ___ ___ ___

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.

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?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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.
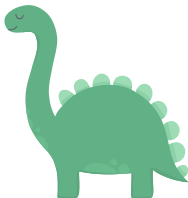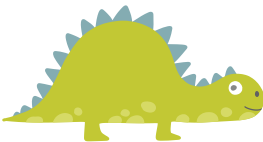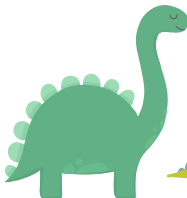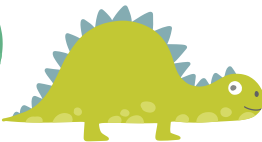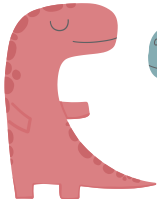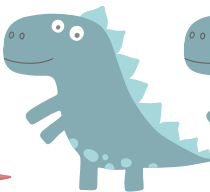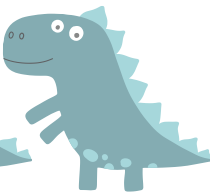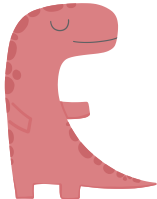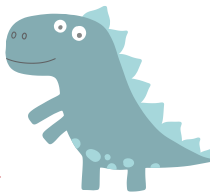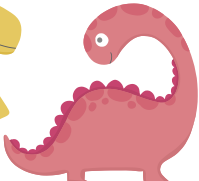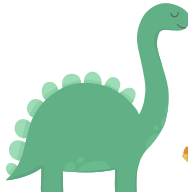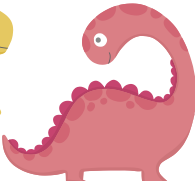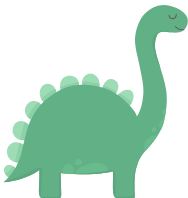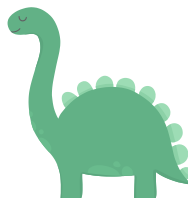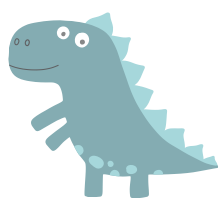
Dinosaur Patterns
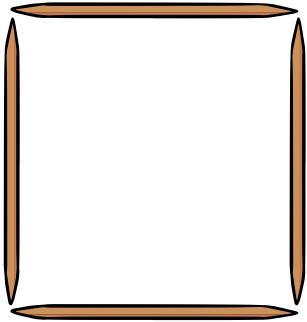
Can you complete these dinosaur patterns? Cut and glue

Geometric Patterns

Complete the tables to match the patterns

1
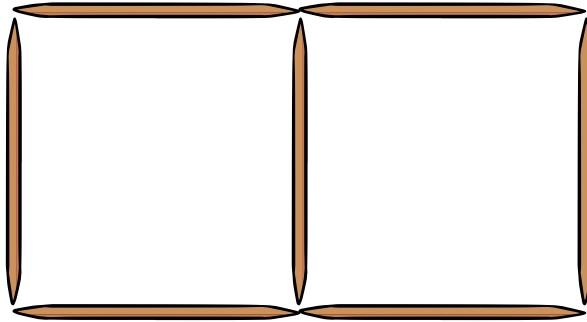
2
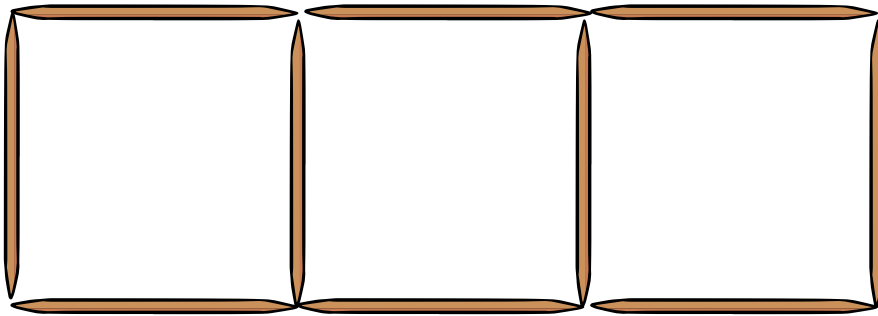
3

4

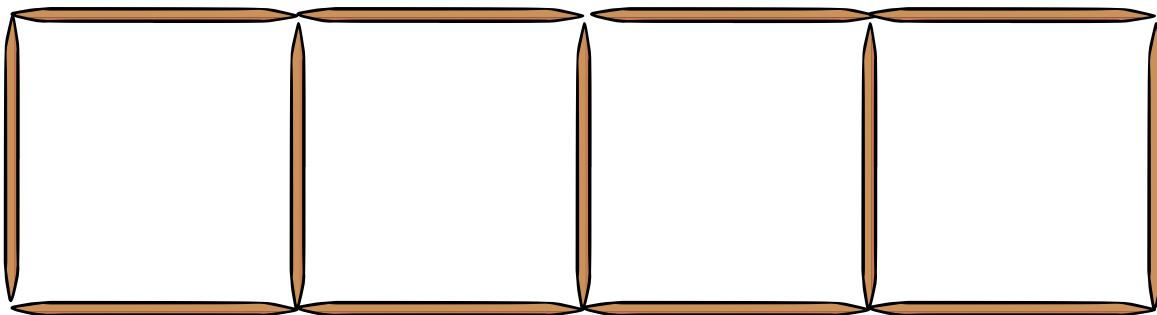| Pattern Number	1	2	3	4
Number of squares	1	2		
Number of toothpicks	4	7		

FINISH THE PATTERN
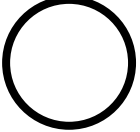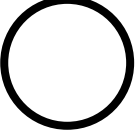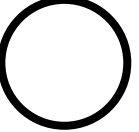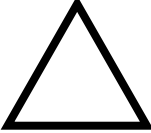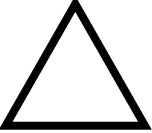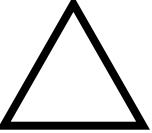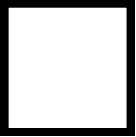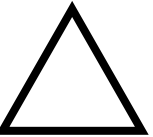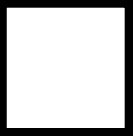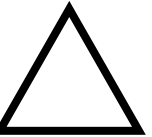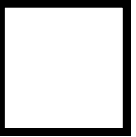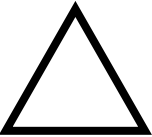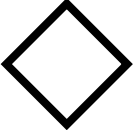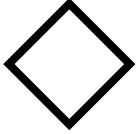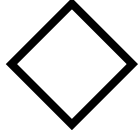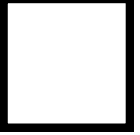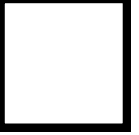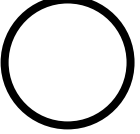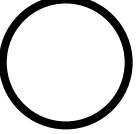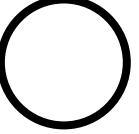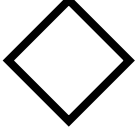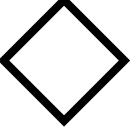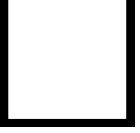
What comes next? Color in the shapes.
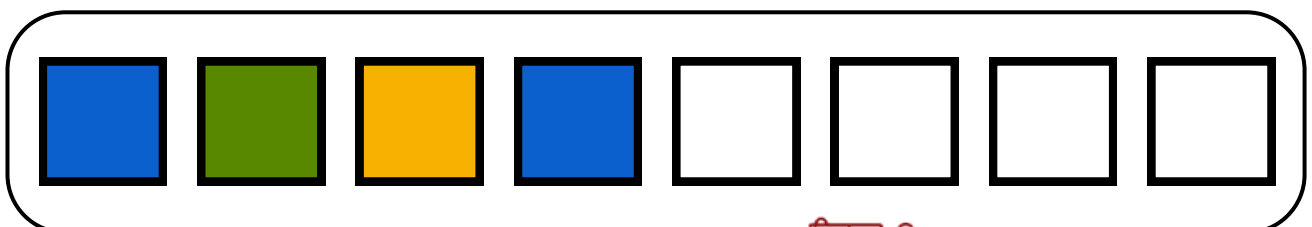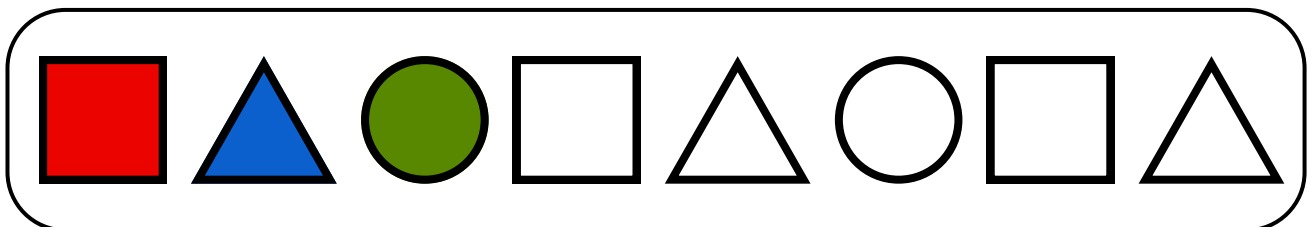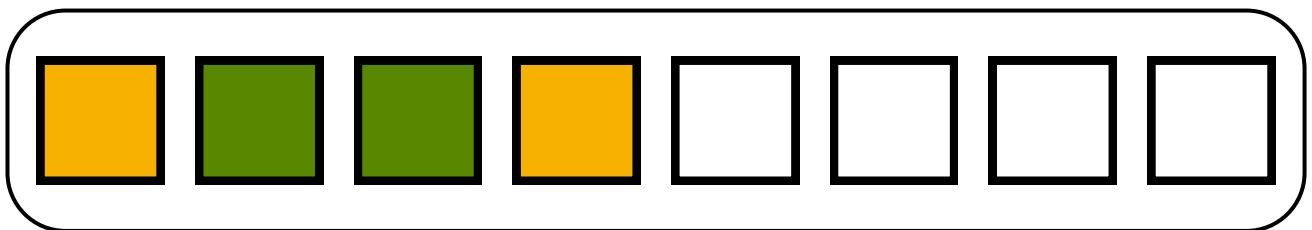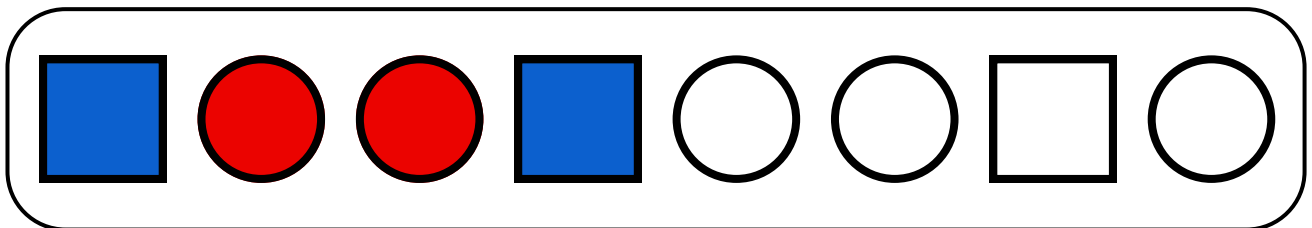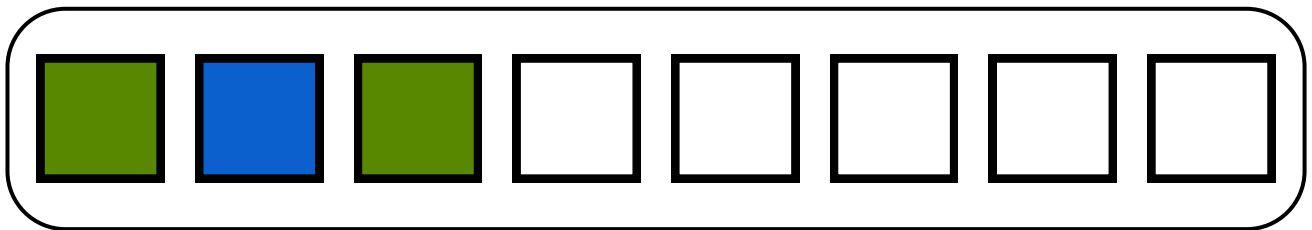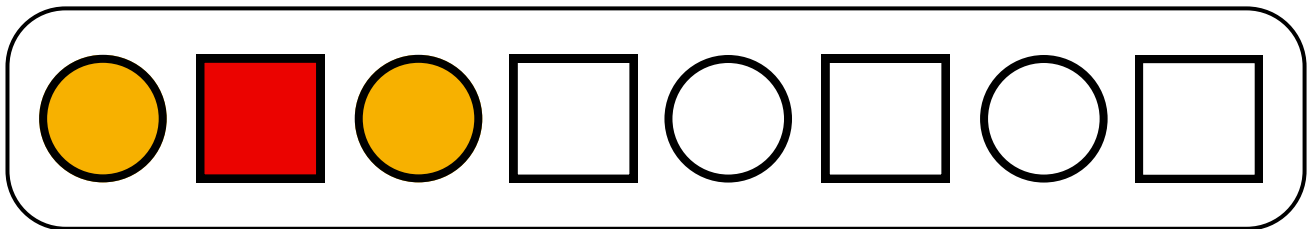
Name:

Patterns

Complete the pattern by drawing the next shape

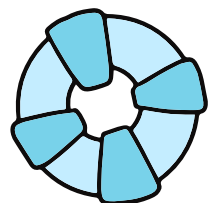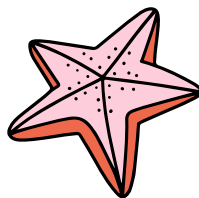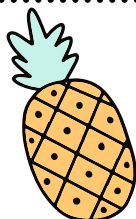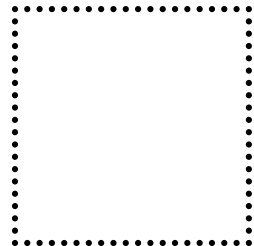|	
♥ ◯ ♥ ◯ ♥ ◯	♥
△ ☆ △ ☆ △ ☆	
▢ △ ▢ △ ▢ △	
◇ ♥ ◇ ♥ ◇ ♥	
☆ ▢ ☆ ▢ ☆ ▢	
◯ ♥ ◯ ♥ ◯ ♥	
☆ ◇ ☆ ◇ ☆ ◇	
♥ ▢ ♥ ▢ ♥ ▢	

Summer Patterns

Can you complete each Summer Pattern? Cut and glue

Number Patterns

Find out the missing numbers
and figure out what the
pattern rule is for each box

17, 20, 23, 26, 29, __, __, __

25, 30, 35, 40, 45, __, __, __

__, __, __, 60, 70, 80, 90,100

8, __, 24, __, 40, __, __,64

__, __, __, 36, 45, 54, 63, 72

Number Patterns

Answer sheet

Adding 3

17, 20, 23, 26, 29, <u>32</u>, <u>35</u>, <u>38</u>

Adding 5

25, 30, 35, 40, 45, <u>50</u>, <u>55</u>, <u>60</u>

Subtracting 10

<u>30</u>, <u>40</u>, <u>50</u>, 60, 70, 80, 90, 100

Adding 8

8, <u>16</u>, 24, <u>32</u>, 40, <u>48</u>, <u>56</u>, 64

Subtracting 9

<u>9</u>, <u>18</u>, <u>27</u>, 36, 45, 54, 63, 72

NUMBER PATTERNS

Find out the missing numbers and figure out what the pattern rule is for each jars.

1   4   7   13

2   6   8   10

11   13   17   19

Bugs Patterns

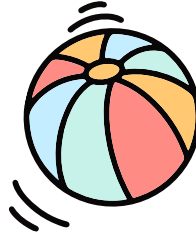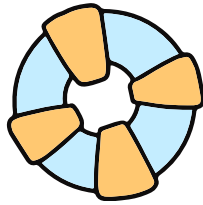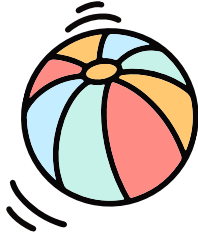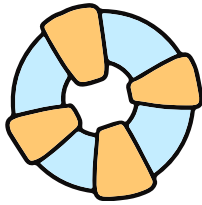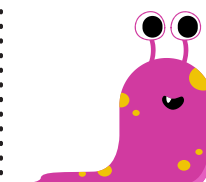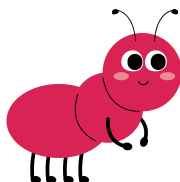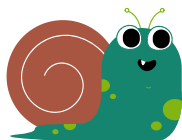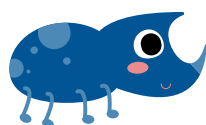Can you complete these bugs patterns? Cut and glue
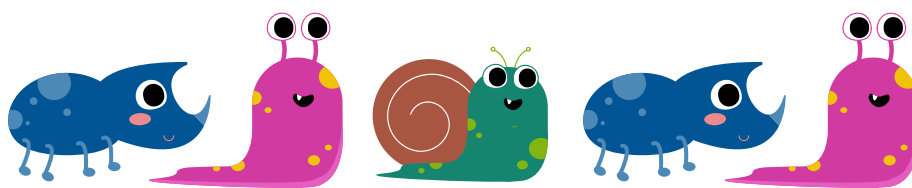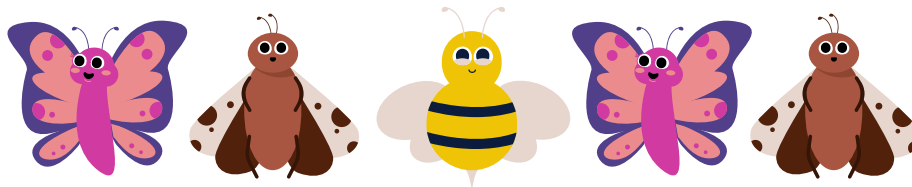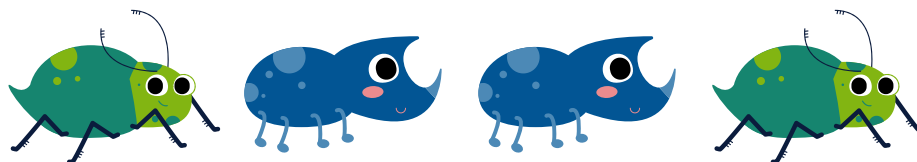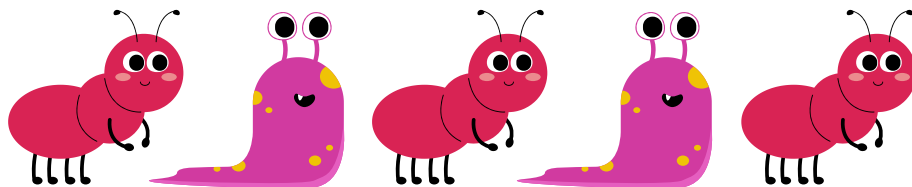
Name: _____   Date: _____

Summer Patterns

Can you complete each summer pattern? Cut and glue
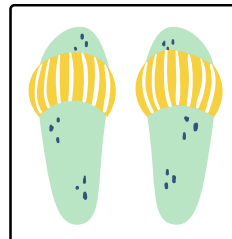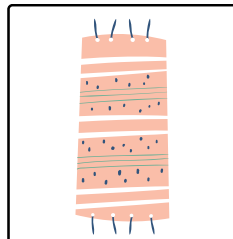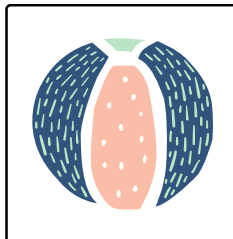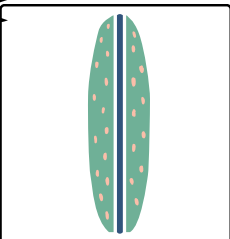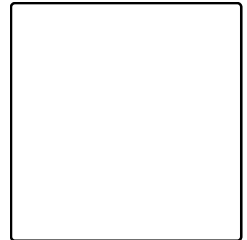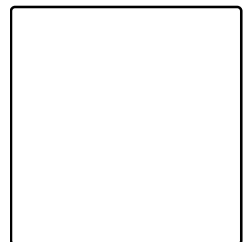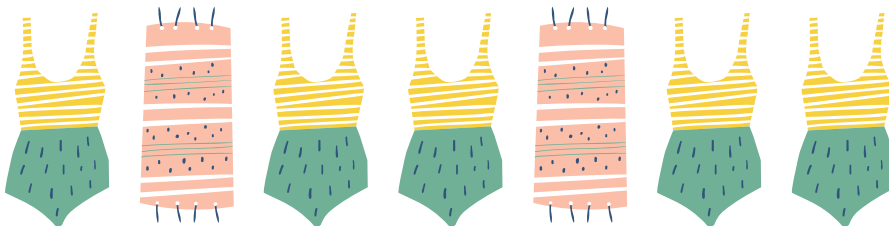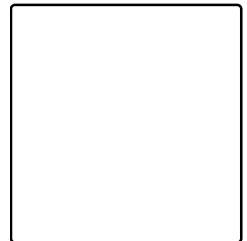
Name _____   **Date** _____
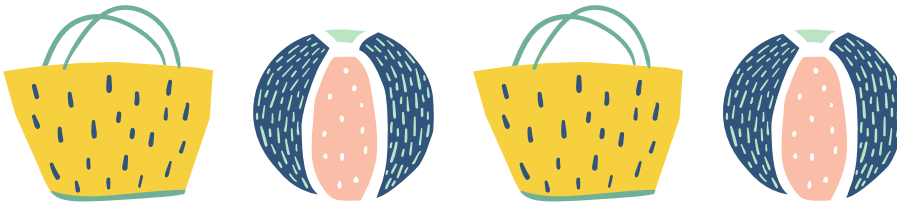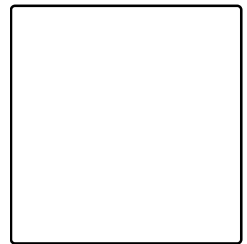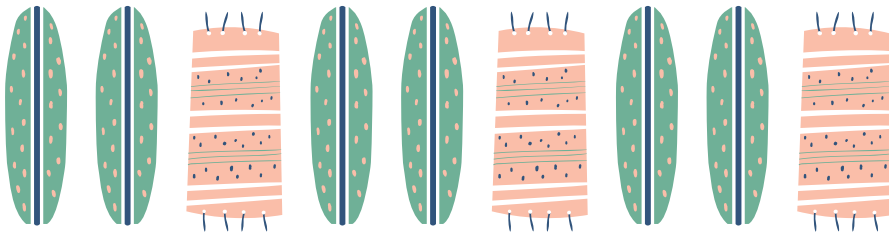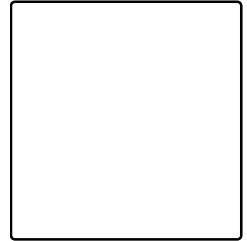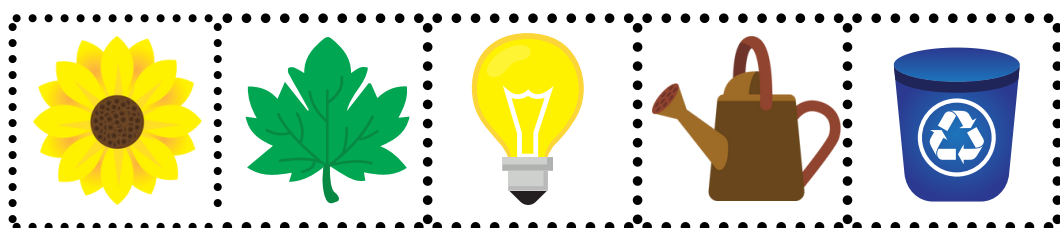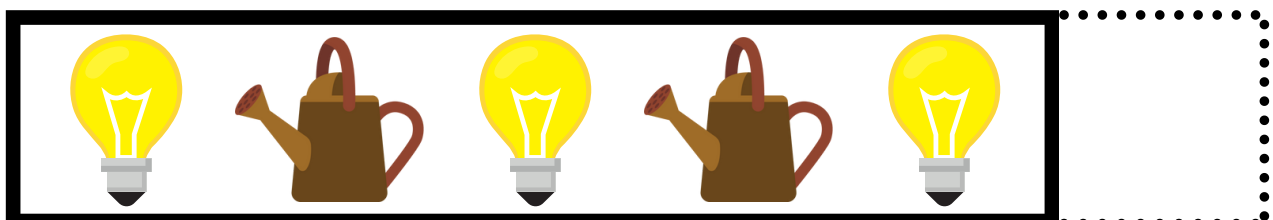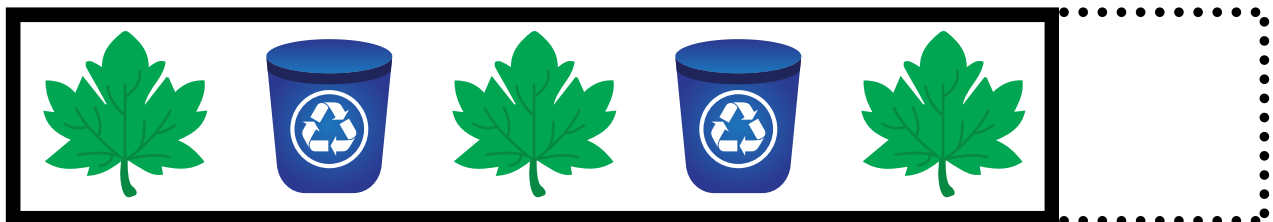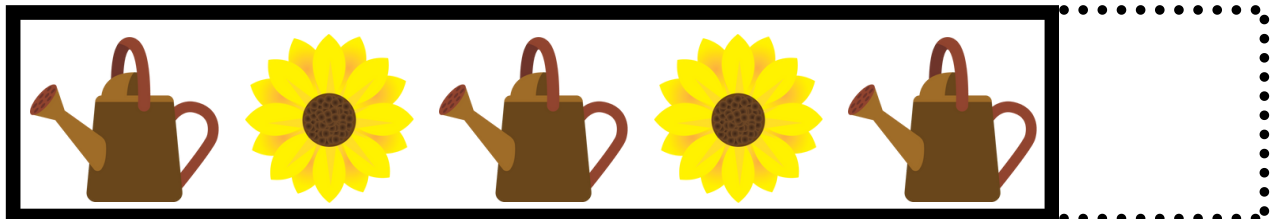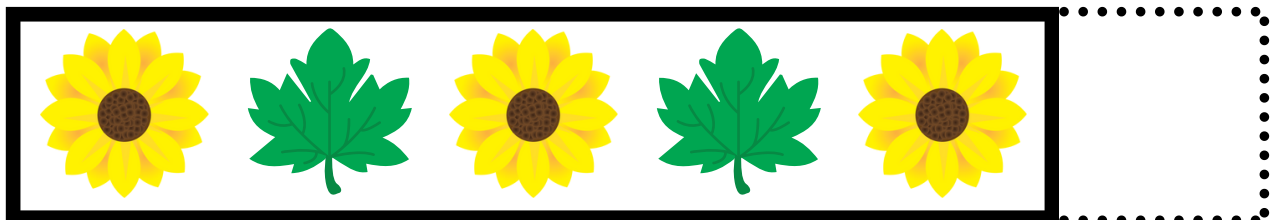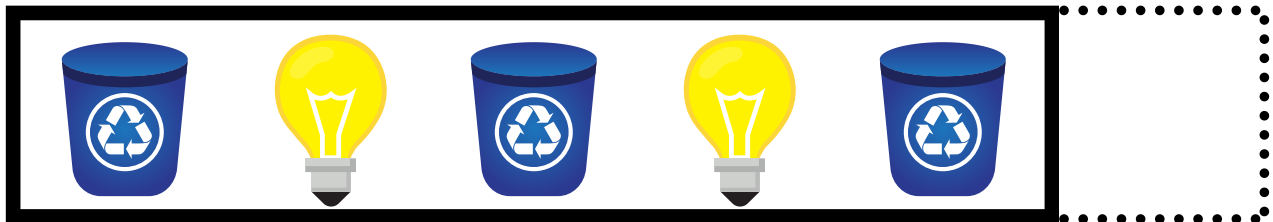
EARTH DAY PATTERNS

Look at the patterns below. Cut out the images at the bottom. Paste the image that comes next in each pattern.
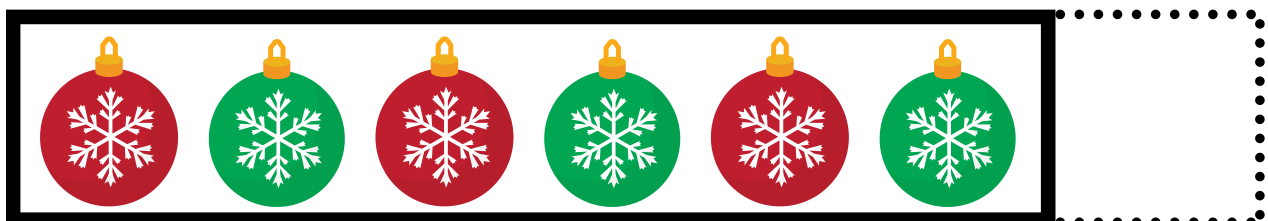
CHRISTMAS PATTERNS

Look at the patterns below. Cut out the images at the bottom.
Paste the image that comes next in each pattern.

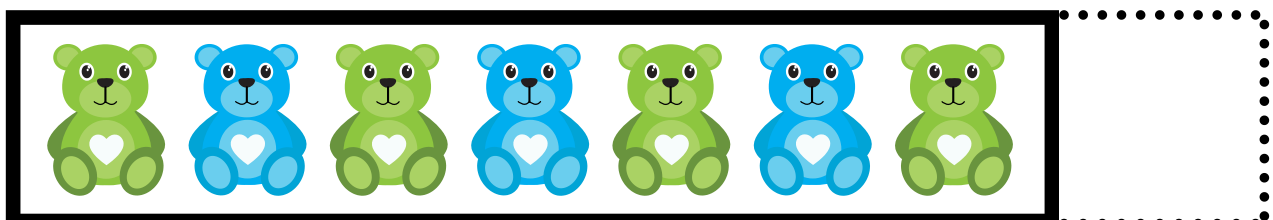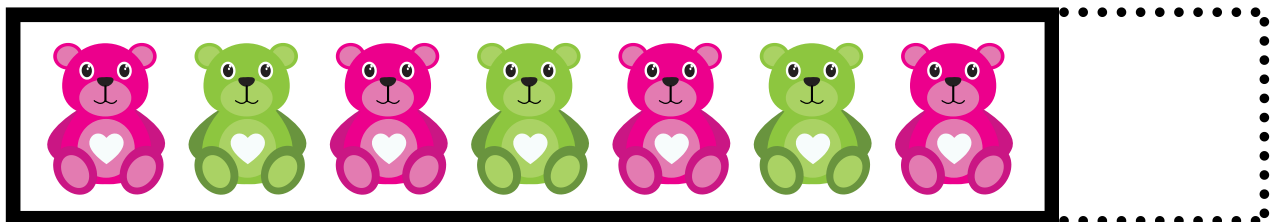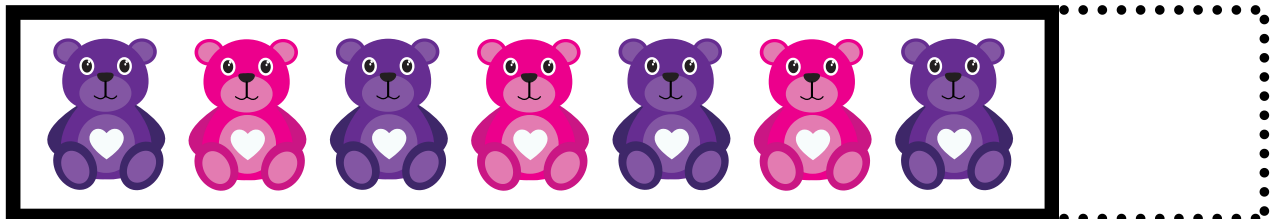**Name** _____   **Date** _____

VALENTINE'S DAY PATTERNS

Look at the patterns below. Cut out the images at the bottom. Paste the image that comes next in each pattern.
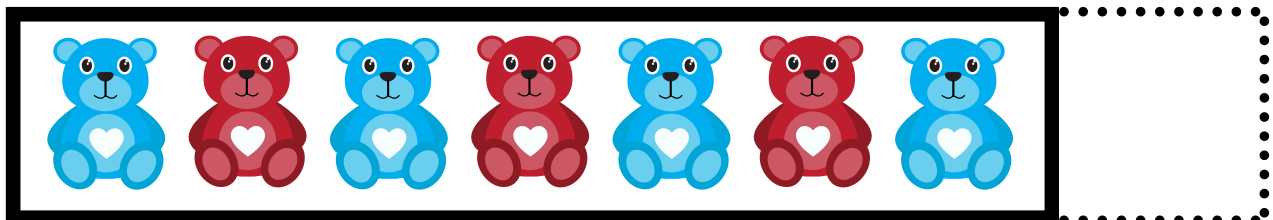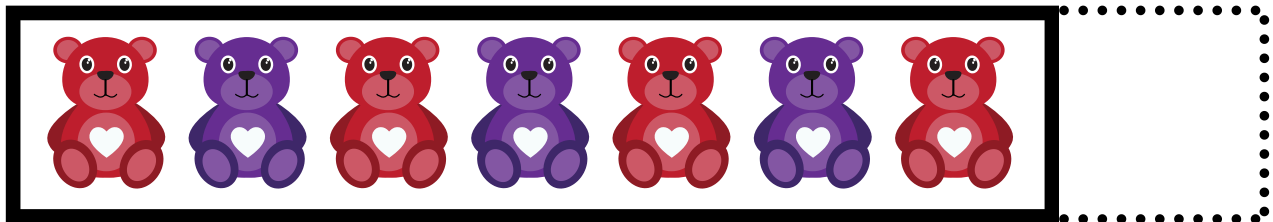
Name: _____

Fruit Patterns

Cut and paste the next picture base
from the pattern.