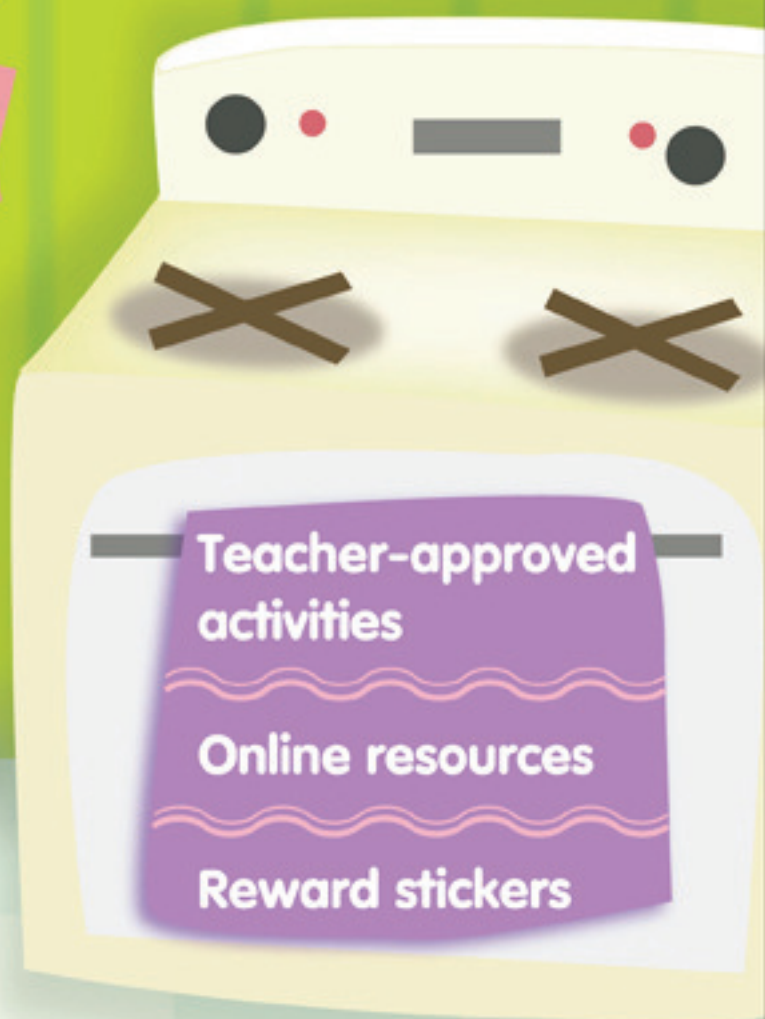


Shapes and Patterns



Shapes and Patterns

This book belongs to



Copyright © 2005, 2010 by Scholastic Inc.
Copyright © 2012 by Scholastic Education International (Singapore) Private Limited
All rights reserved.

Previously published as Reading & Math Jumbo Workbook Grade K and Summer Express K-1
by Scholastic Inc.

This edition published by Scholastic Education International (Singapore) Private Limited
A division of Scholastic Inc.

No part of this publication may be reproduced in whole or in part, or stored in a retrieval
system, or transmitted in any form or by any means, electronic, mechanical, photocopying,
recording, or otherwise without the written permission of the publisher. For information
regarding permission, write to:

Scholastic Education International (Singapore) Private Limited
81 Ubi Avenue 4 #02-28 UB.ONE Singapore 408830
education@scholastic.com.sg

First edition 2012
Reprinted 2012

ISBN 978-981-07-1357-7

Welcome to **Learning Express**!

Helping your child build essential skills is easy!

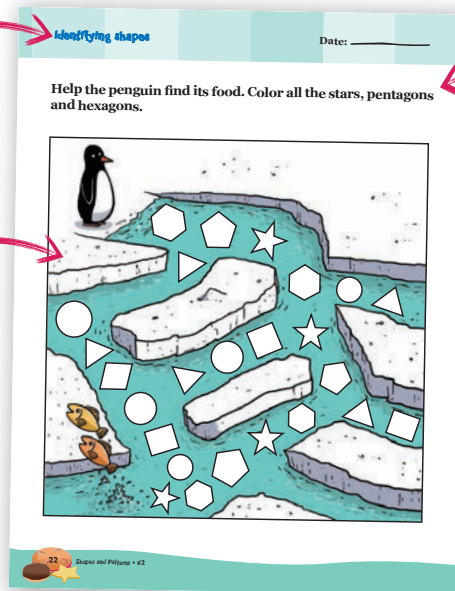
These teacher-approved activities have been specially developed to make learning both accessible and enjoyable. On each page, you'll find:

Focus skill

The focus of each activity page is clearly indicated.

Meaningful learning

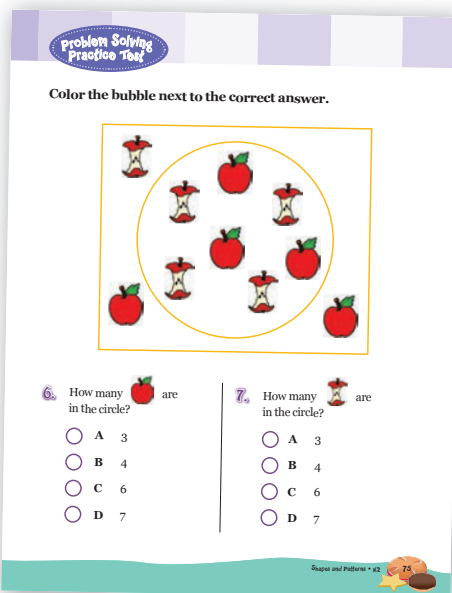
Each activity has been carefully designed to make your child's learning meaningful and fun.



Instructions

The read-aloud instructions are easy for your child to understand.

This book also contains:



Instant assessment to ensure your child really masters the skills.



Completion certificate to celebrate your child's leap in learning.



Motivational stickers to mark the milestones of your child's learning path.

Contents

Shapes and Patterns	5
identifying circle, square, triangle	6
identifying rectangle, star, diamond	7
identifying oval, pentagon, hexagon	8
identifying circles and squares	9
identifying triangles and rectangles	10
identifying diamonds and ovals	11
shapes review	12-15
shapes - stars	16-17
shapes - pentagons	18-19
shapes - hexagons	19-20
identifying shapes	22
identifying shapes that do not belong	23
identifying shapes	24-25
identifying shape names	26
shapes review	27-28
same shapes	29-32
making new shapes	33-36
identifying shapes	37
identifying shape patterns	38-41
identifying fruit patterns	42-43
identifying vehicle patterns	44-45
identifying insect patterns	46-47
identifying flower patterns	48-49
identifying leaf patterns	50-51
identifying patterns in clothing	52
identifying patterns in buttons	53
identifying border patterns	54-55
identifying quilt patterns	56-59

Shapes and Patterns Practice Test	60-63
---	-------

Problem Solving	64
solving problems using pictures	65-72
Problem Solving Practice Test	73-76

Answer Key	77-78
-------------------------	-------

Certificate	79
--------------------------	----

Cut-and-Paste Stickers	80-82
-------------------------------------	-------



Shapes and Patterns

In this section, your child will identify a variety of shapes. Recognizing shapes helps children develop geometry skills. Your child will also learn to identify the sequence of objects in patterns and to anticipate which object comes next in the pattern.

What to Do

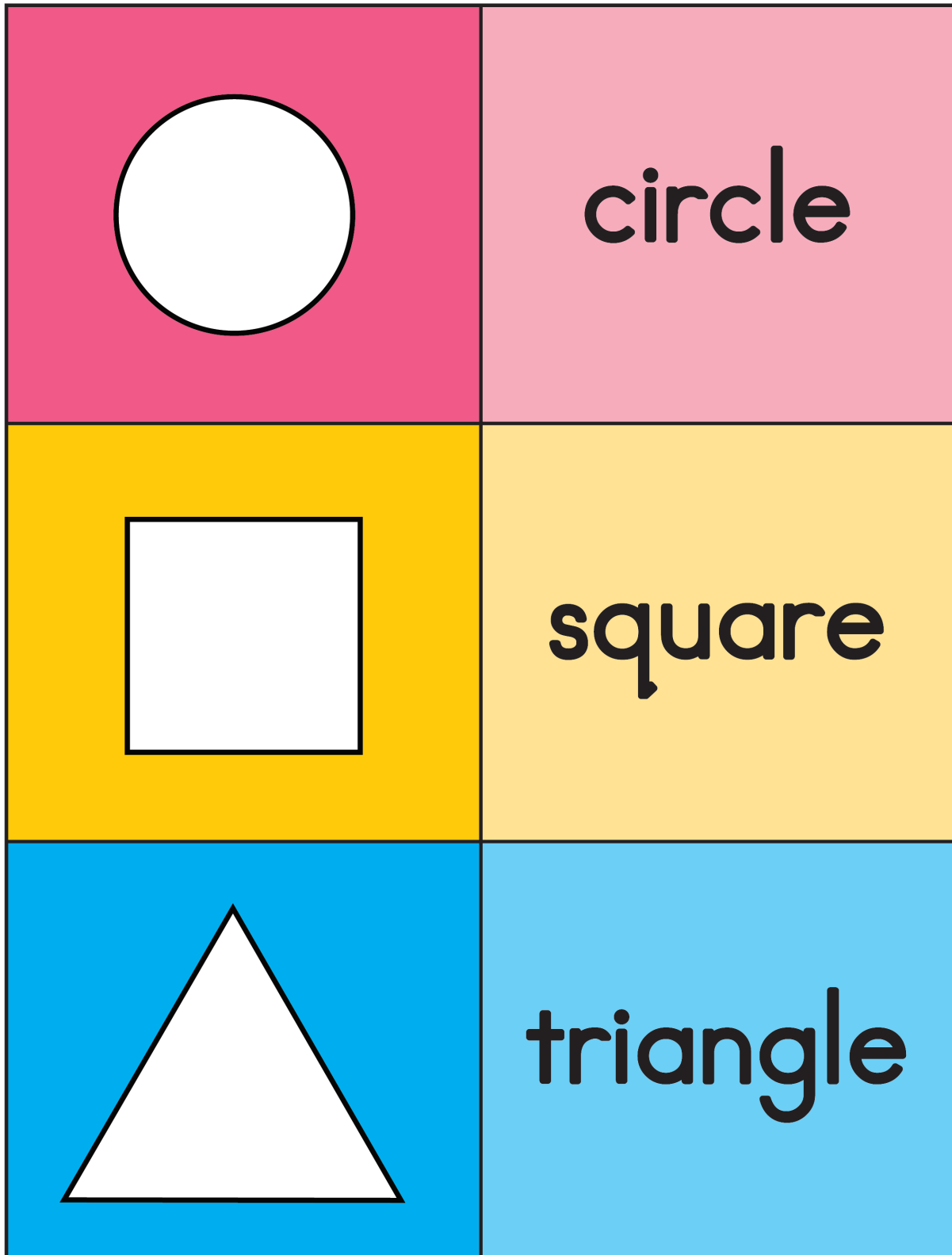
Review the directions on each page with your child. Then, have your child name the shapes on each page. Next, make your child complete the patterns on the pattern pages.

Keep On Going!

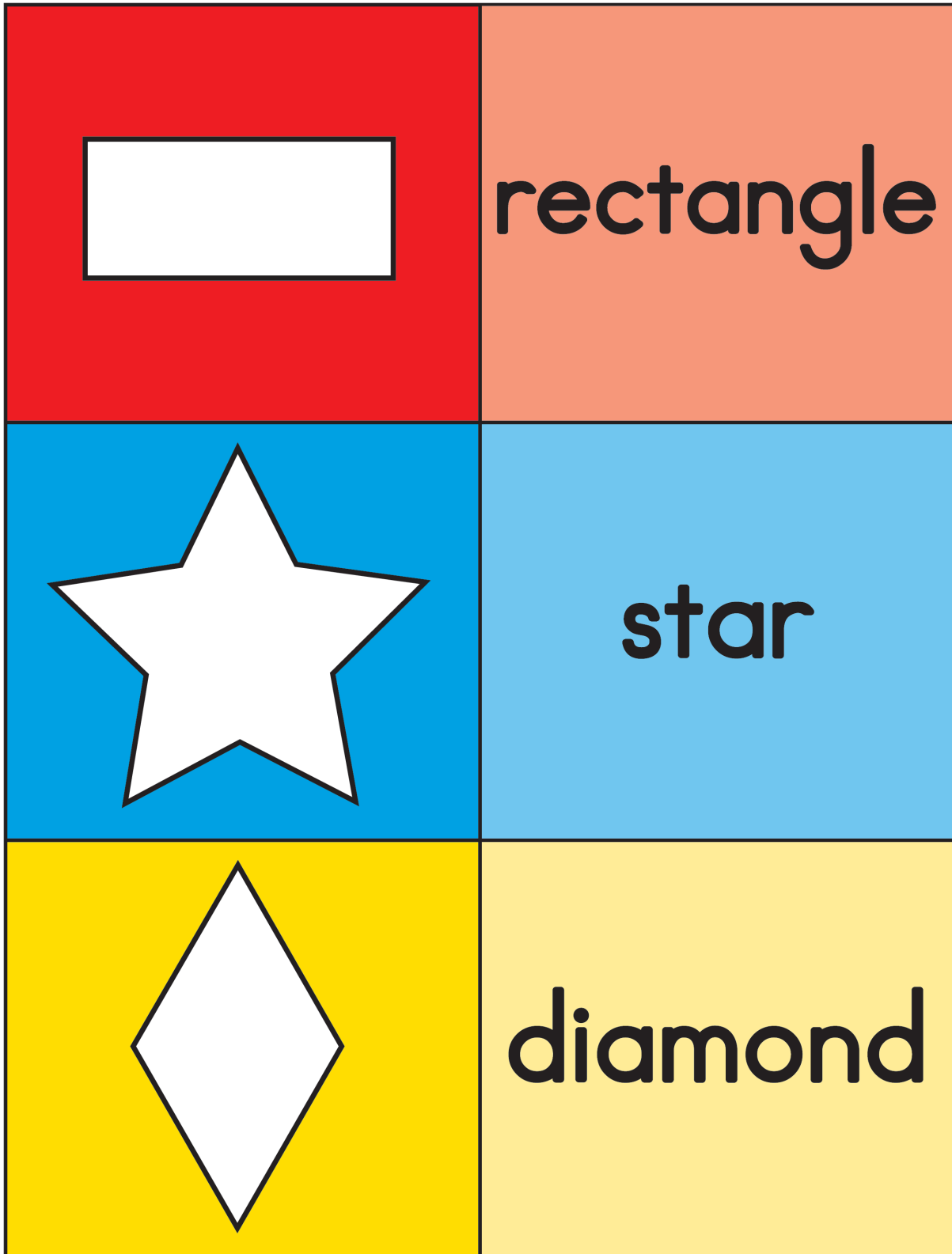
Have your child identify the many shapes he or she sees around the home or while shopping. Then together, draw the shapes on paper. Cut them out and create different patterns.



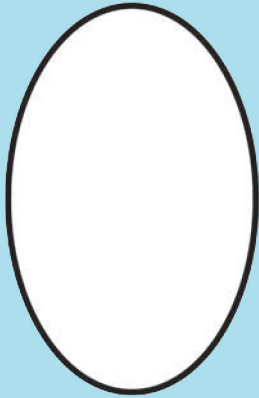
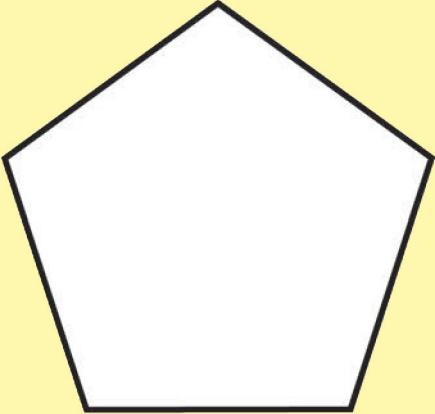
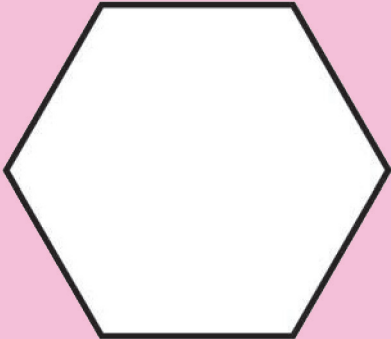
Color the pictures. Say the words.



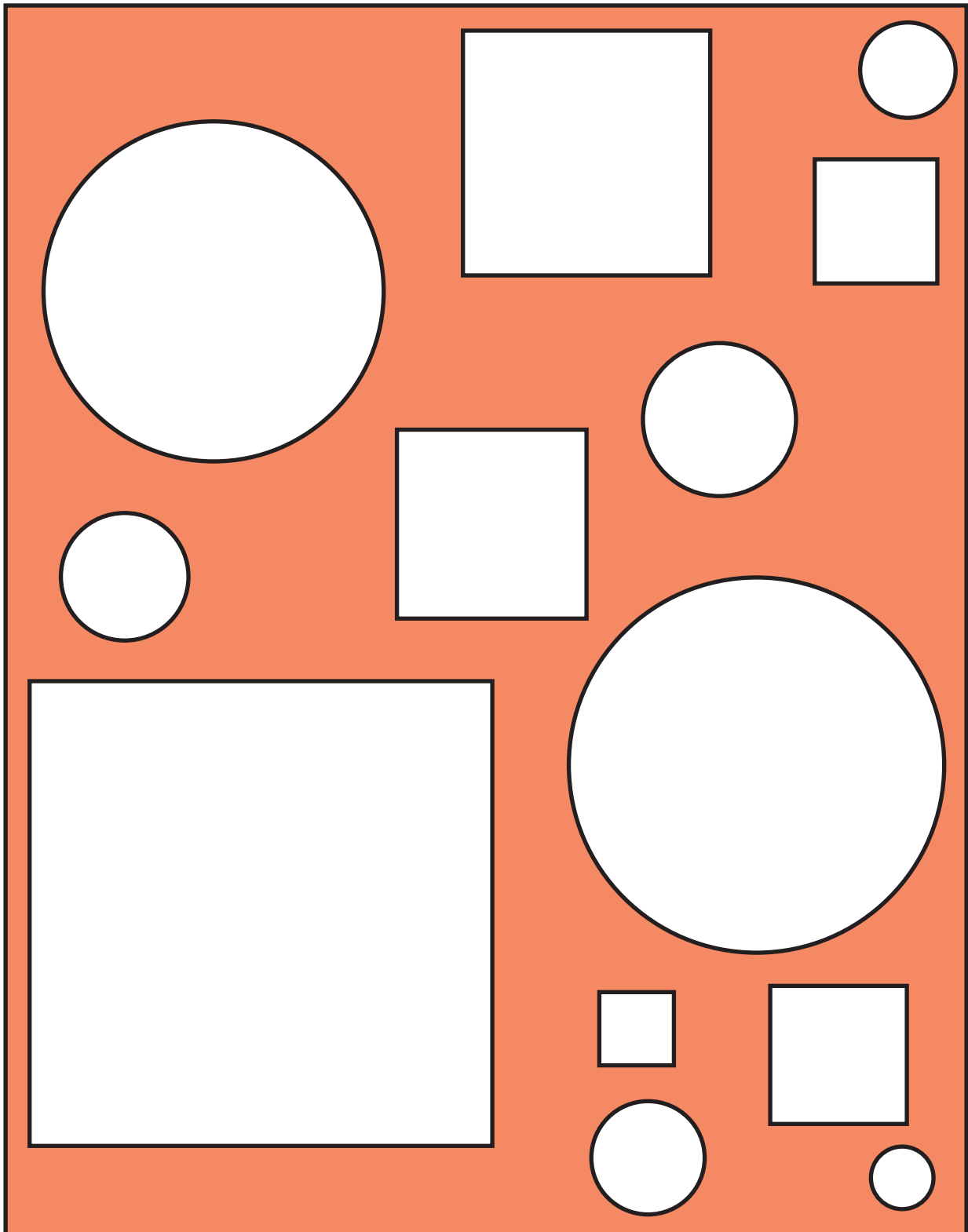
Color the pictures. Say the words.



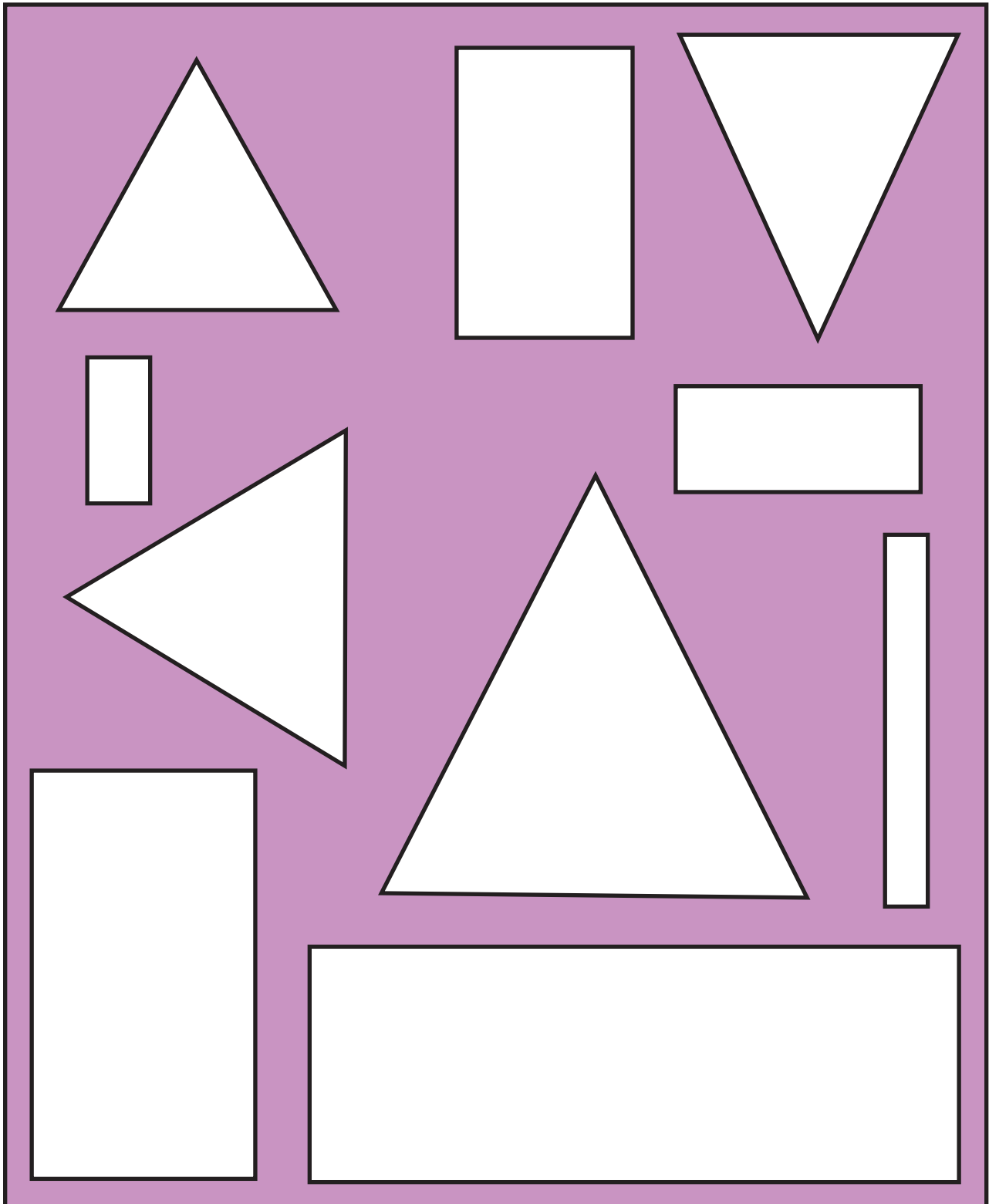
Color the pictures. Say the words.

	oval
	pentagon
	hexagon

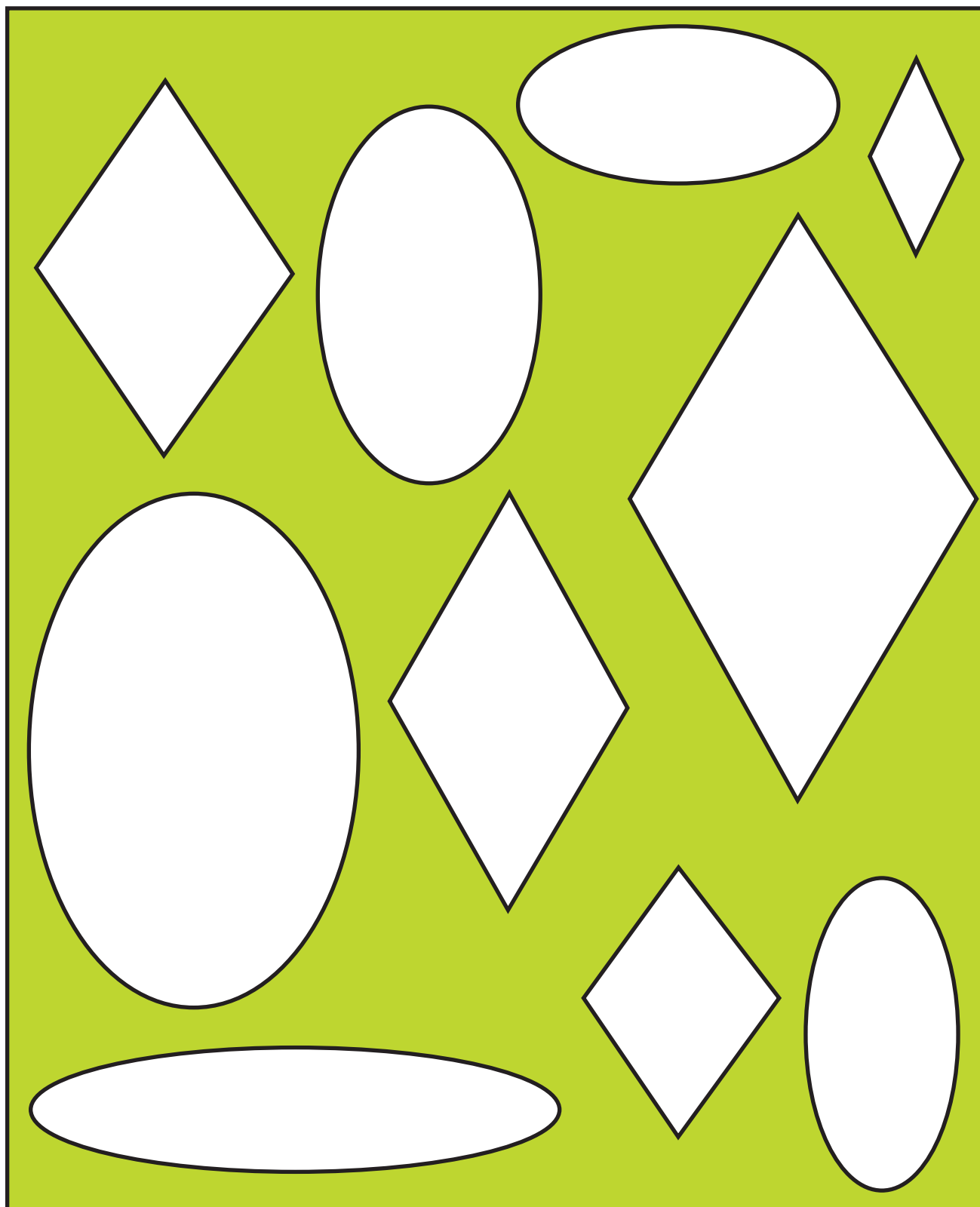
Color the circles **red**. Color the squares **blue**.



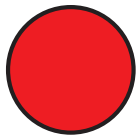
Color the triangles **orange**. Color the rectangles **green**.



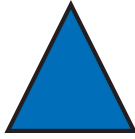
Color the diamonds **purple**. Color the ovals **yellow**.



Color.



= red



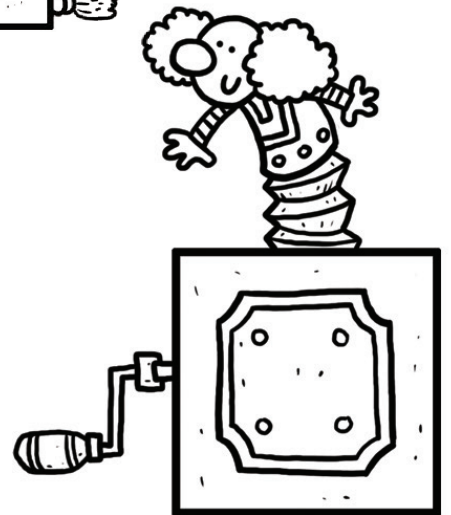
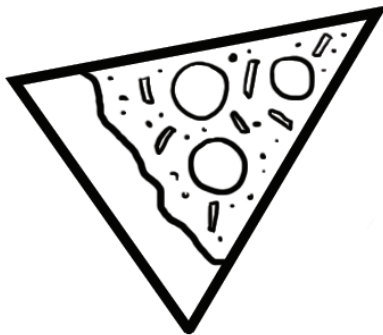
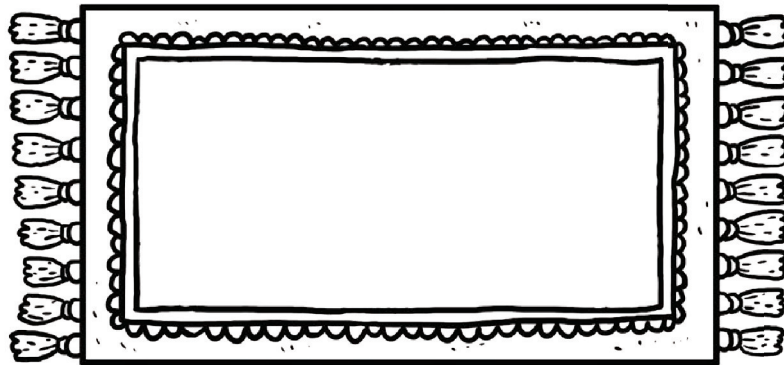
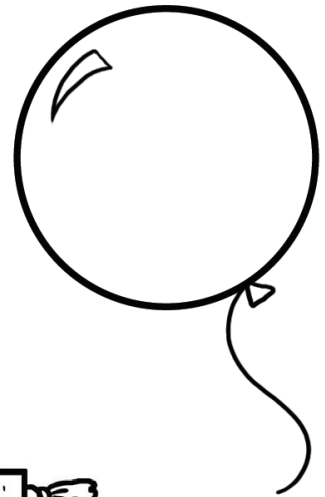
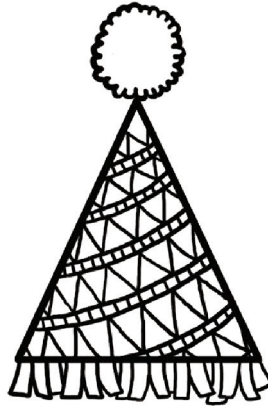
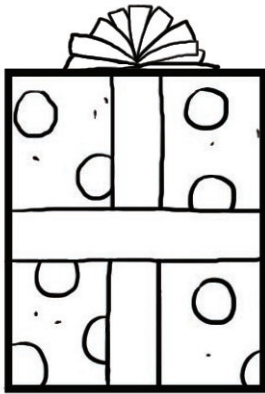
= blue



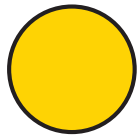
= green



= yellow



Color.



= yellow



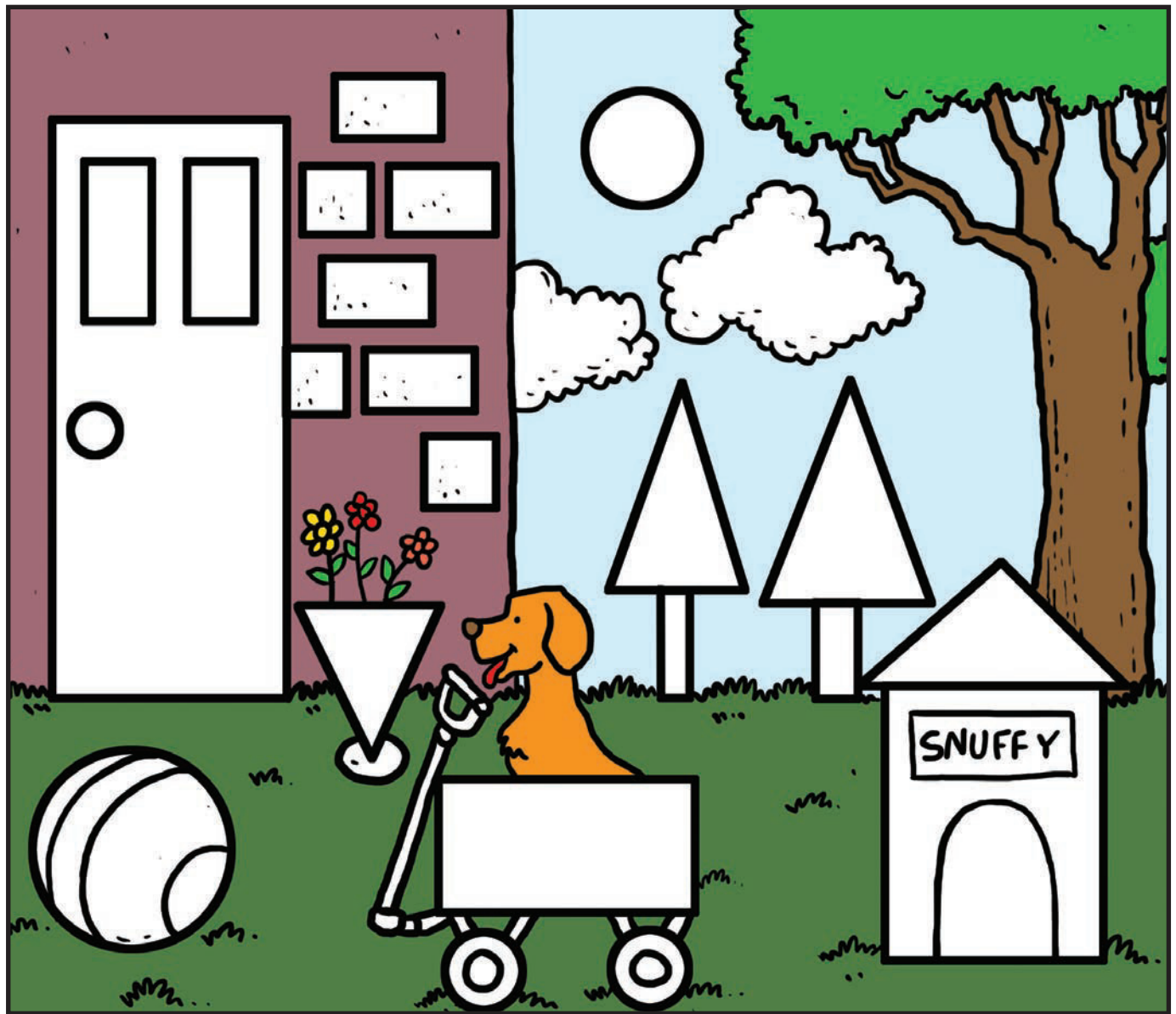
= red



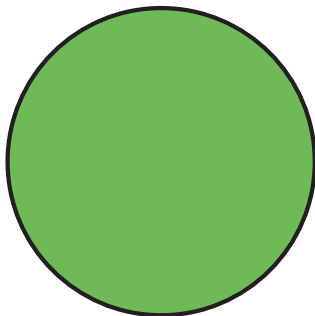
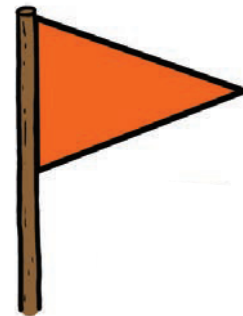
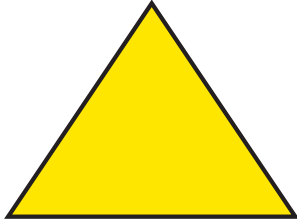
= blue



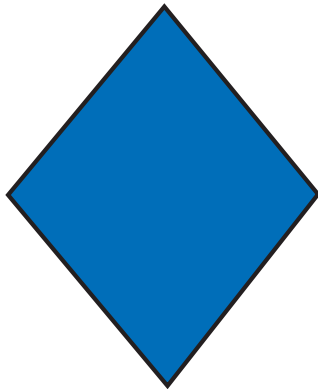
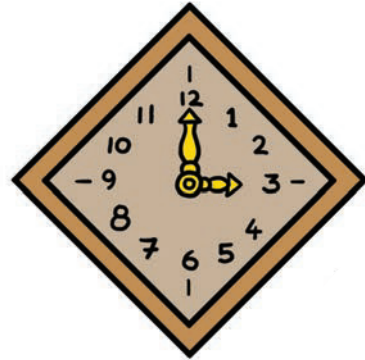
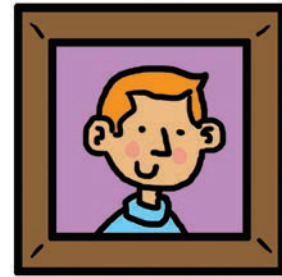
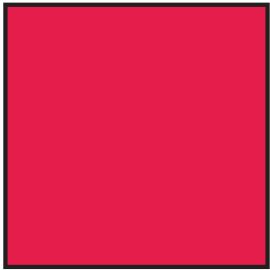
= green



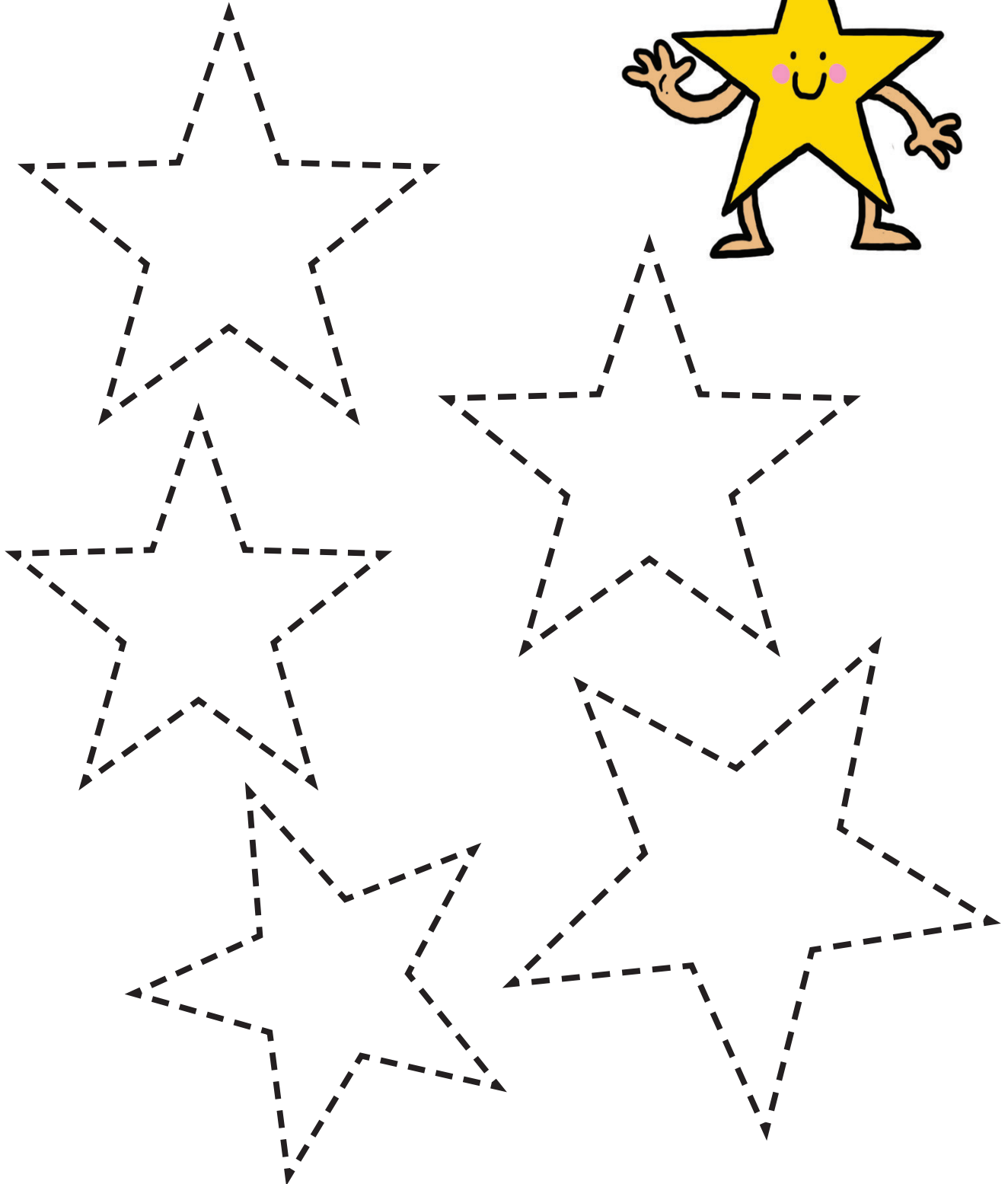
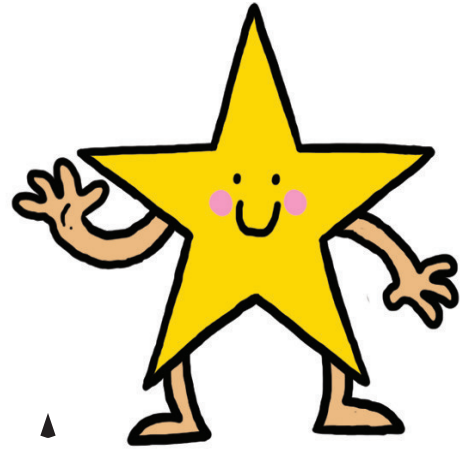
Draw lines to match the shapes and objects.



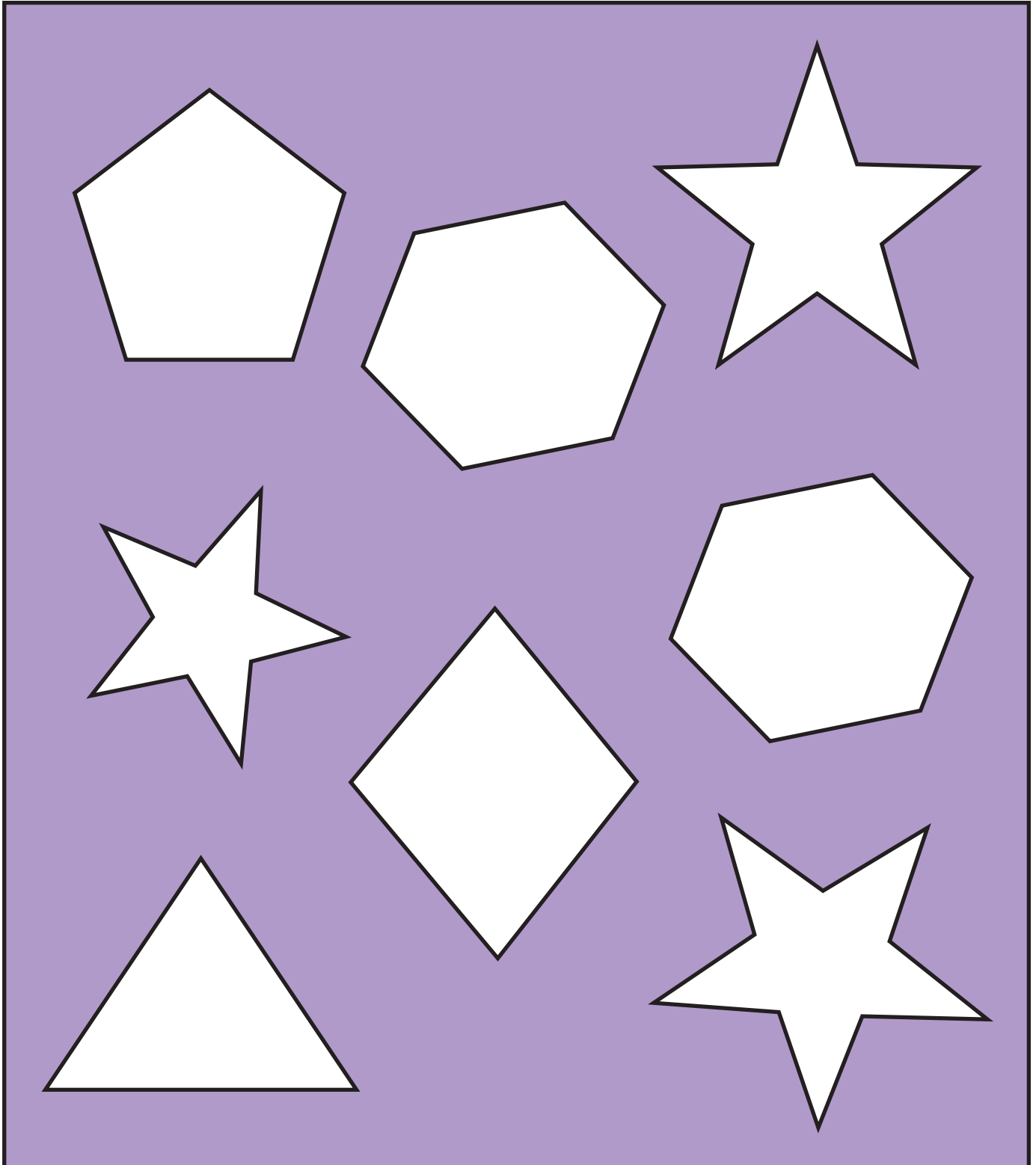
Draw lines to match the shapes and objects.



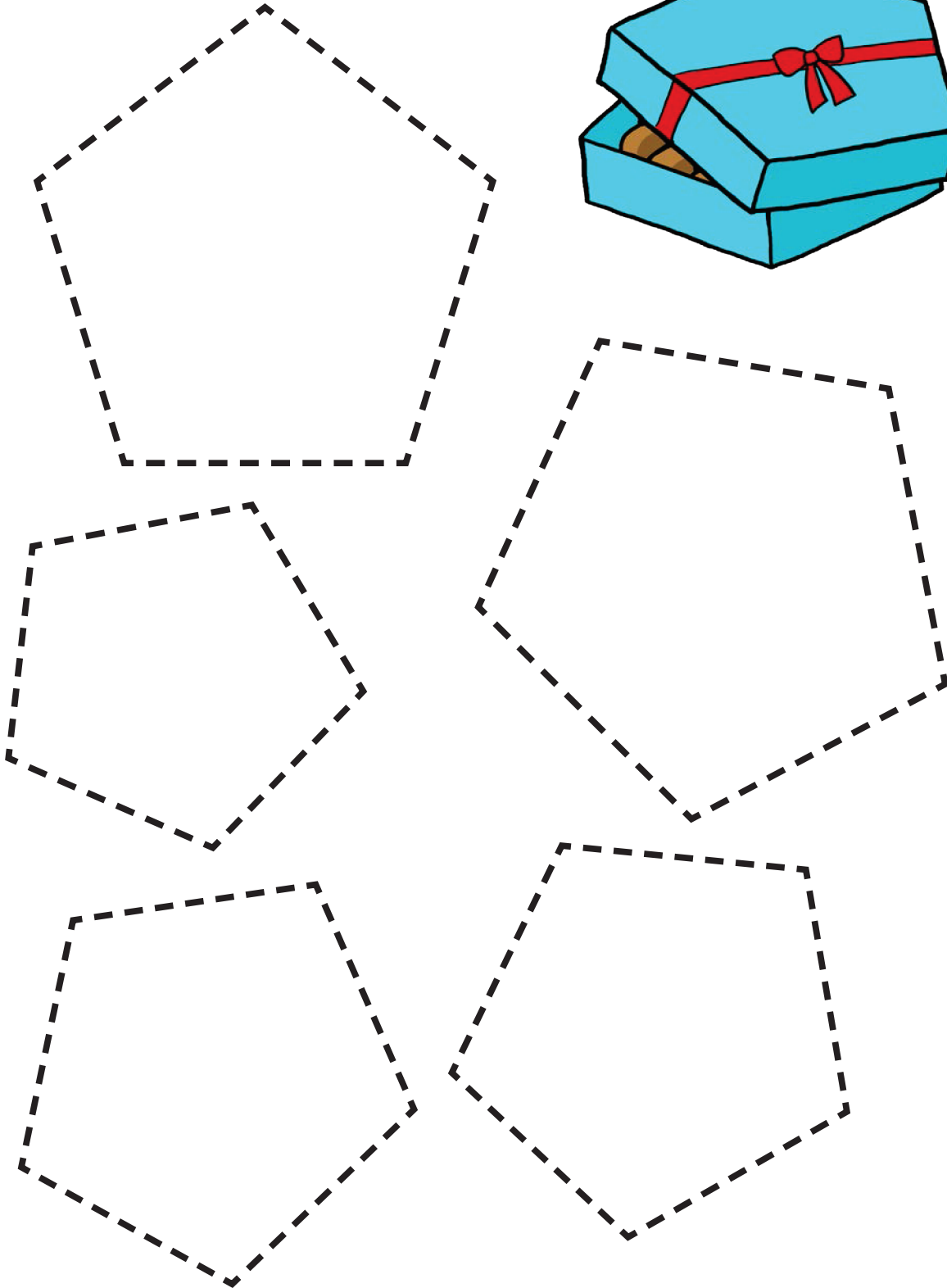
Trace and color the stars.



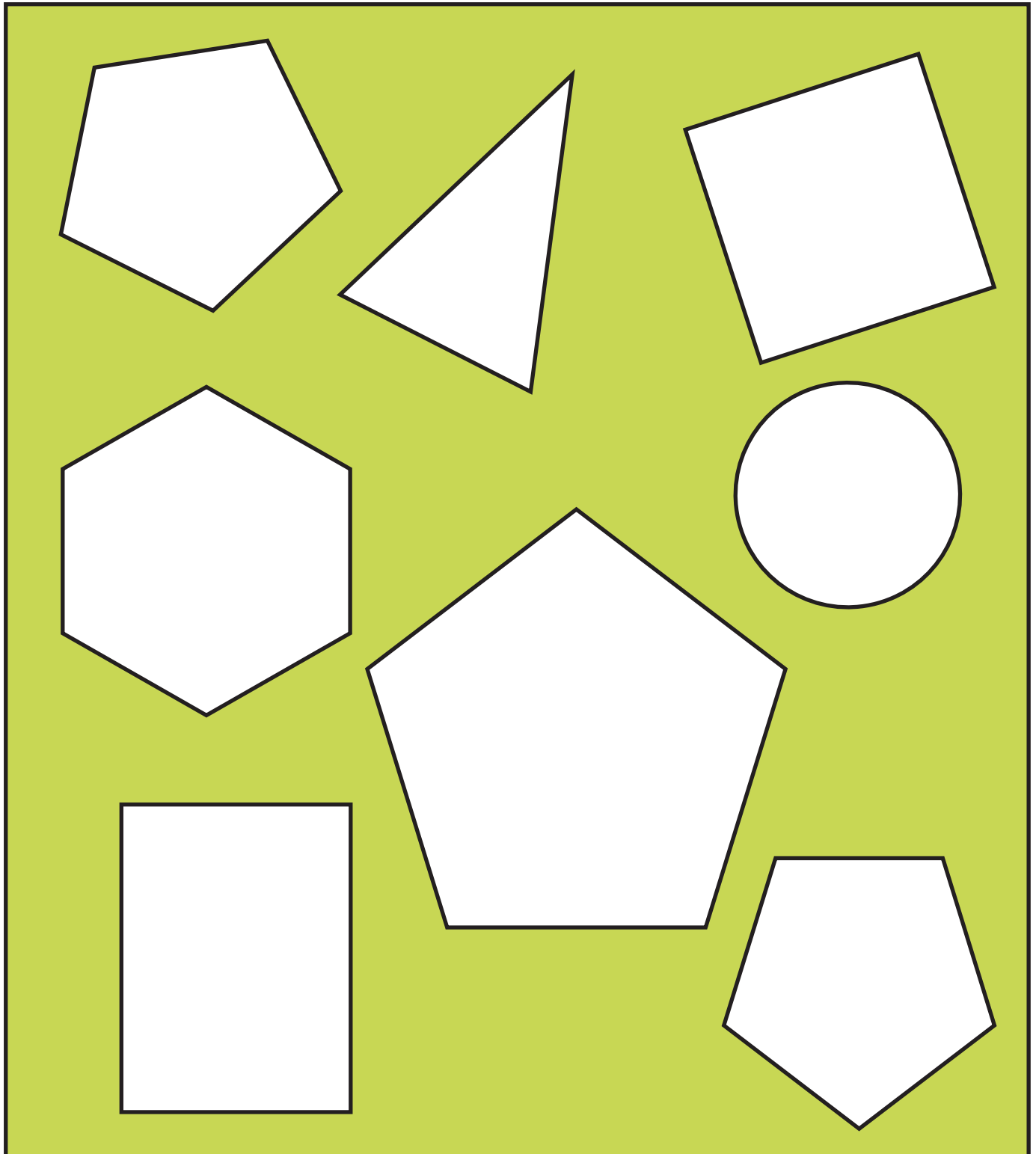
Color the stars.



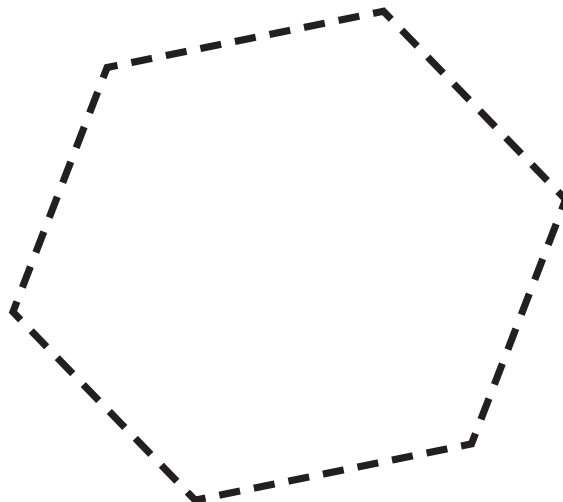
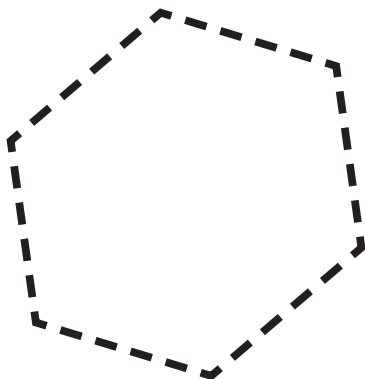
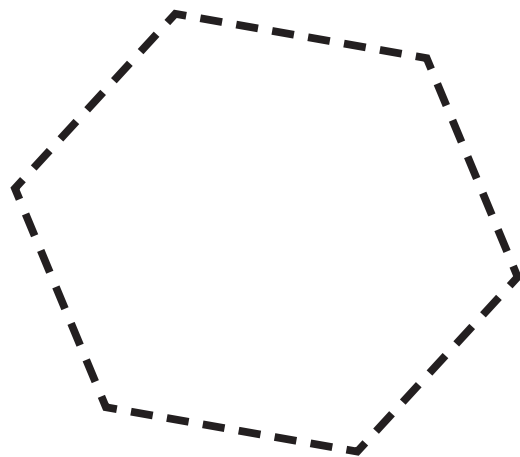
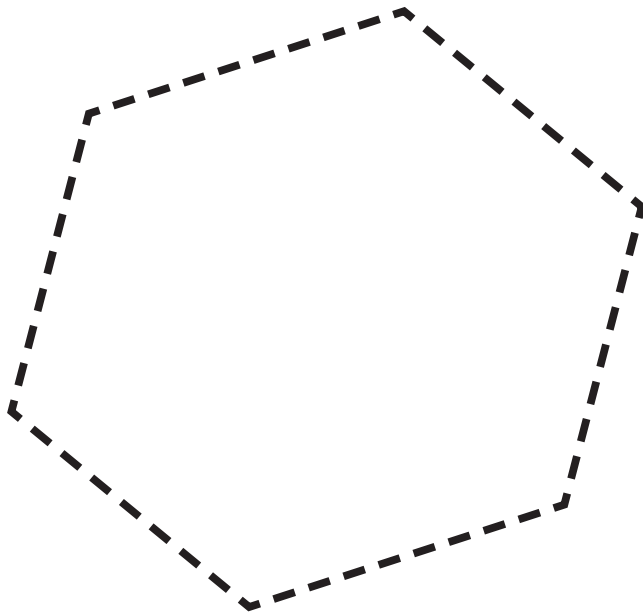
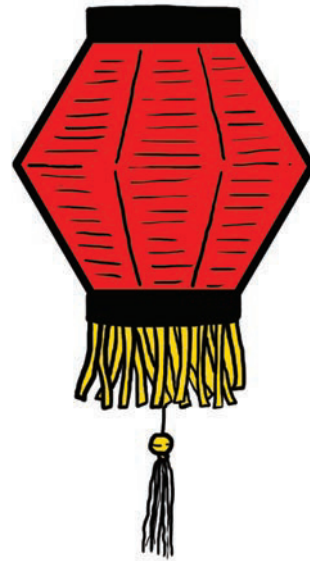
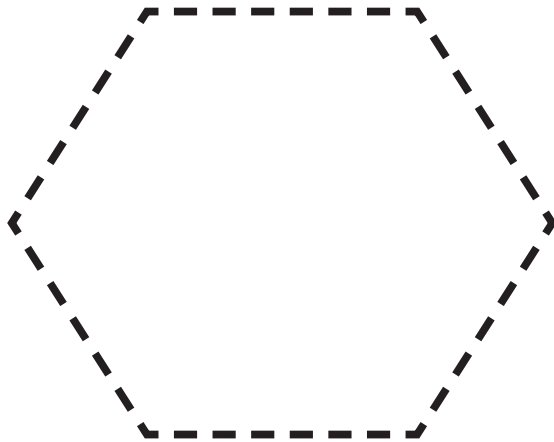
Trace and color the pentagons.



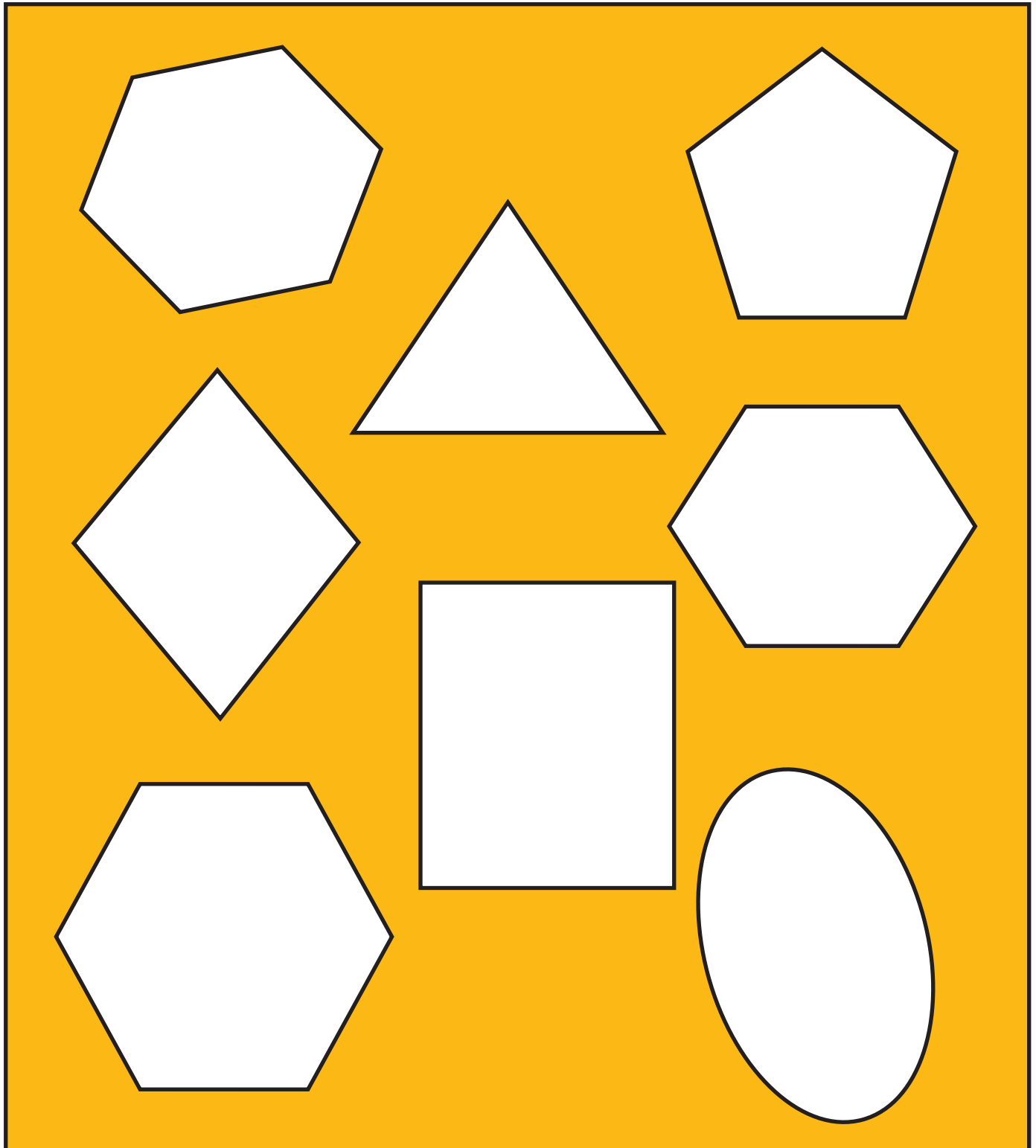
Color the pentagons.



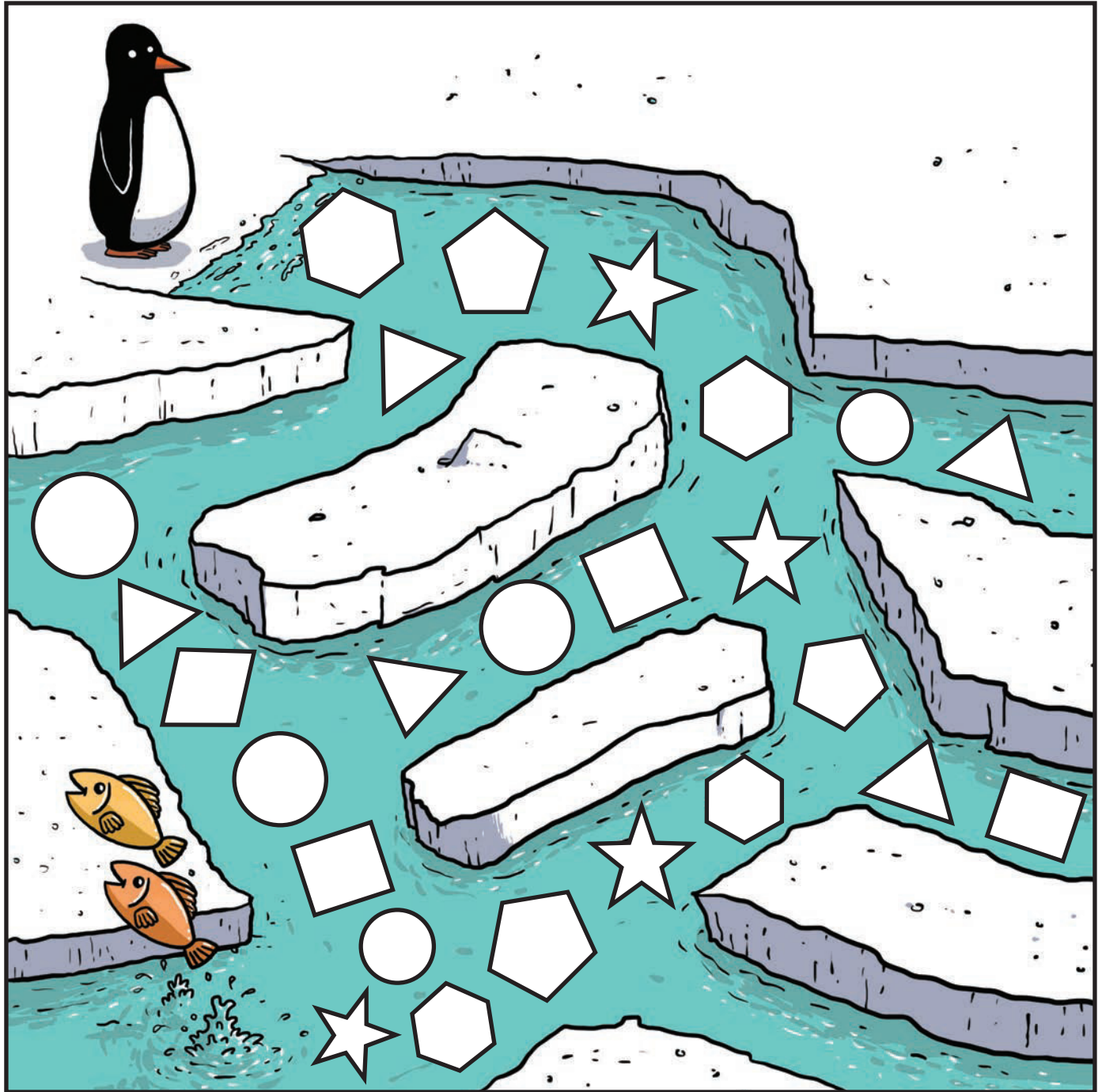
Trace and color the hexagons.



Color the hexagons.

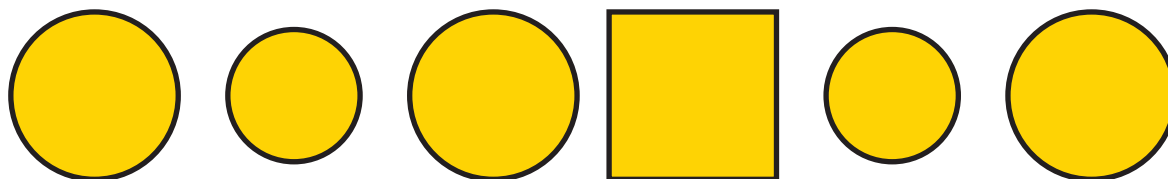


Help the penguin find its food. Color all the stars, pentagons and hexagons.



Put an X on the shape that does not belong in each row.

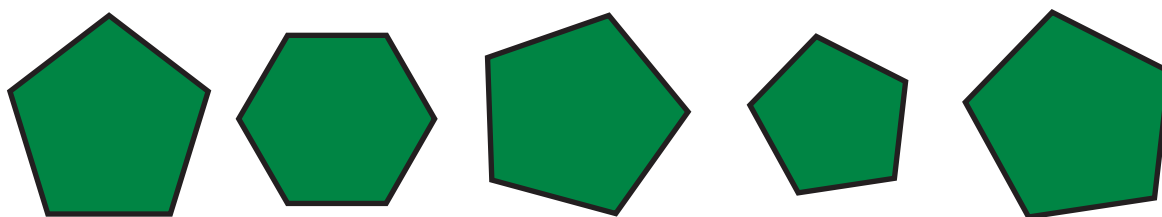
1.



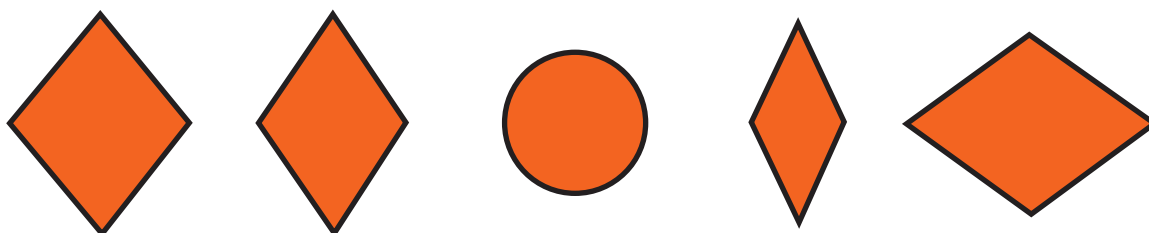
2.



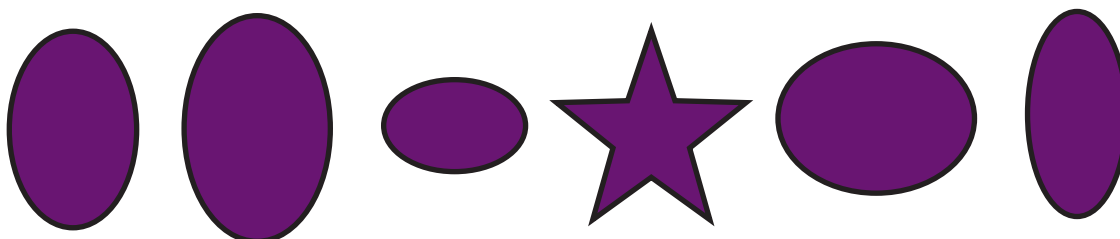
3.



4.

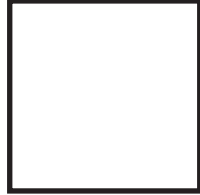
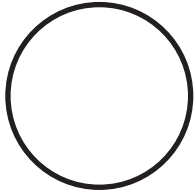


5.

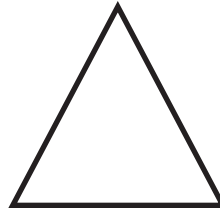


Color the correct shape for each question.

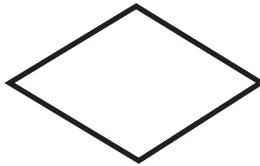
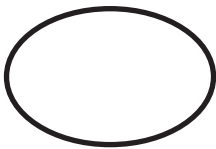
1. Which shape looks like the moon?



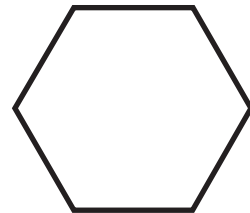
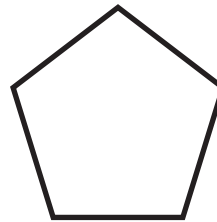
4. Which shape has 3 corners?



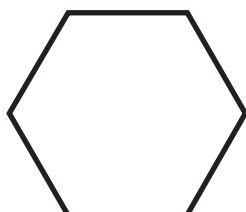
2. Which shape looks like an egg?



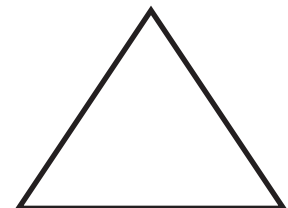
5. Which shape has 6 sides?



3. Which shape has 5 sharp points?

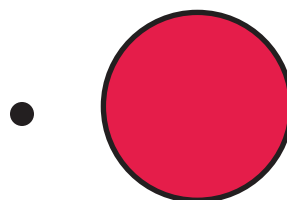


6. Which shape has 4 corners?

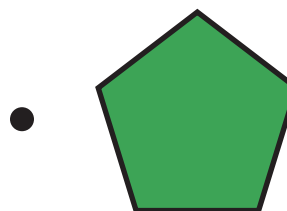


Draw lines to match the sentences and shapes.

1. It has 4 sides and 4 corners. ●



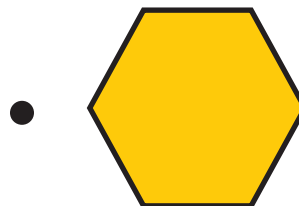
2. It has 3 sides and 3 corners. ●



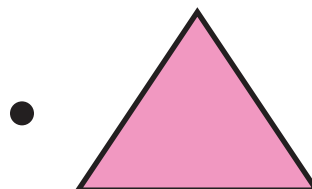
3. It has no sides and no corners. ●



4. It has 5 sides and 5 corners. ●



5. It has 6 sides and 6 corners. ●

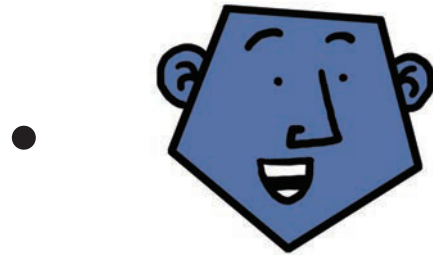


Draw lines to match the shapes and shape names.

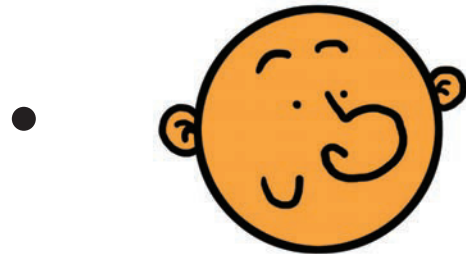
1. triangle •



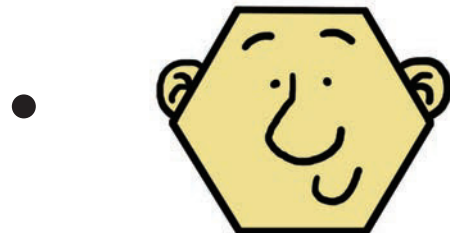
2. circle •



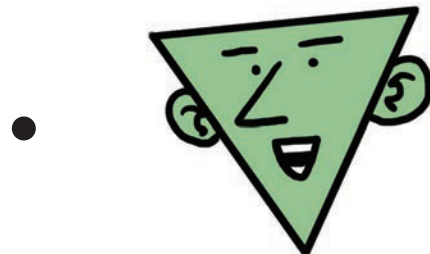
3. hexagon •




4. oval •




5. pentagon •




Color.  = purple

 = yellow

 = orange





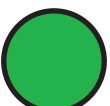



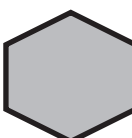
 = green

 = blue

 = red

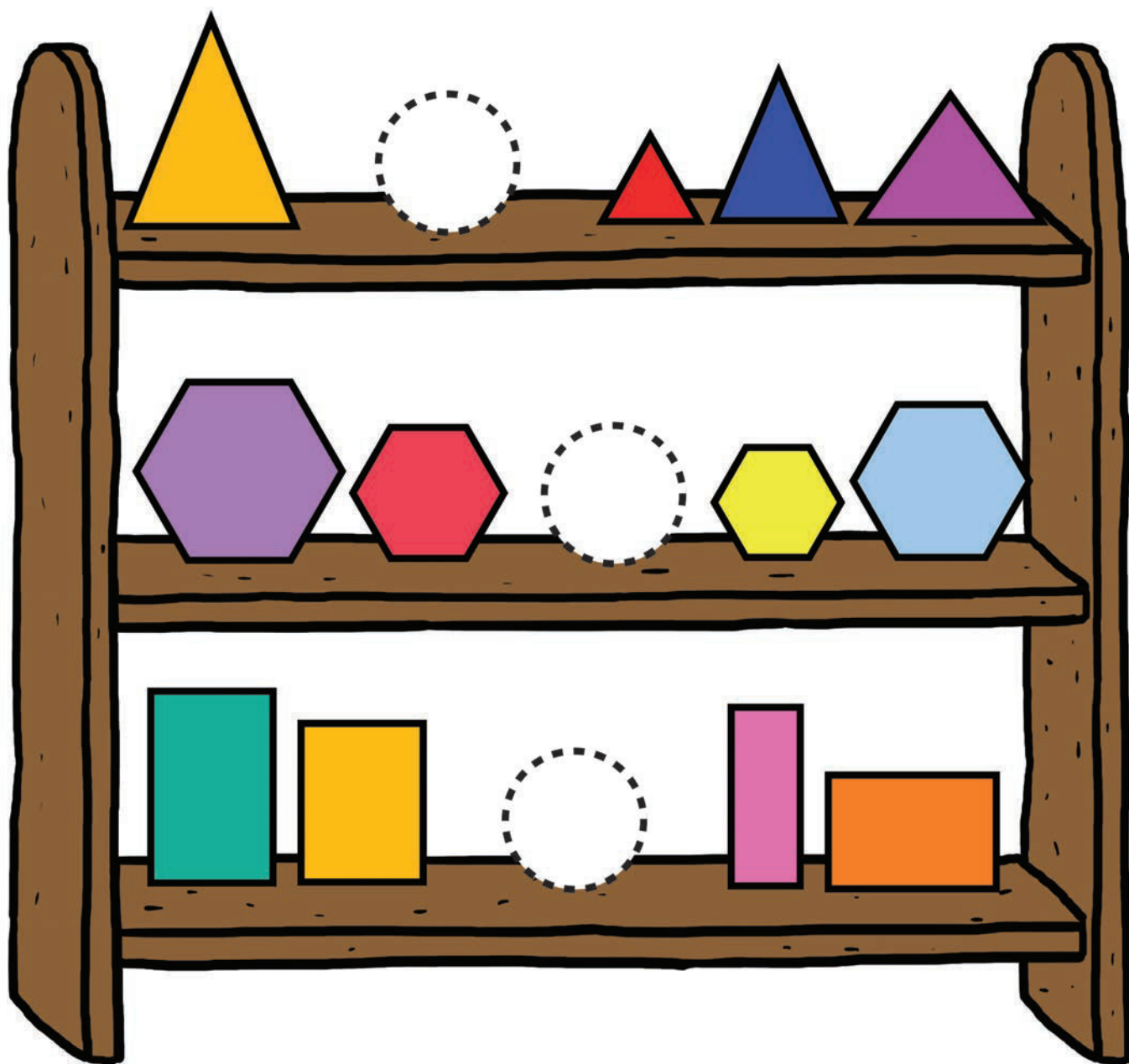


Color.

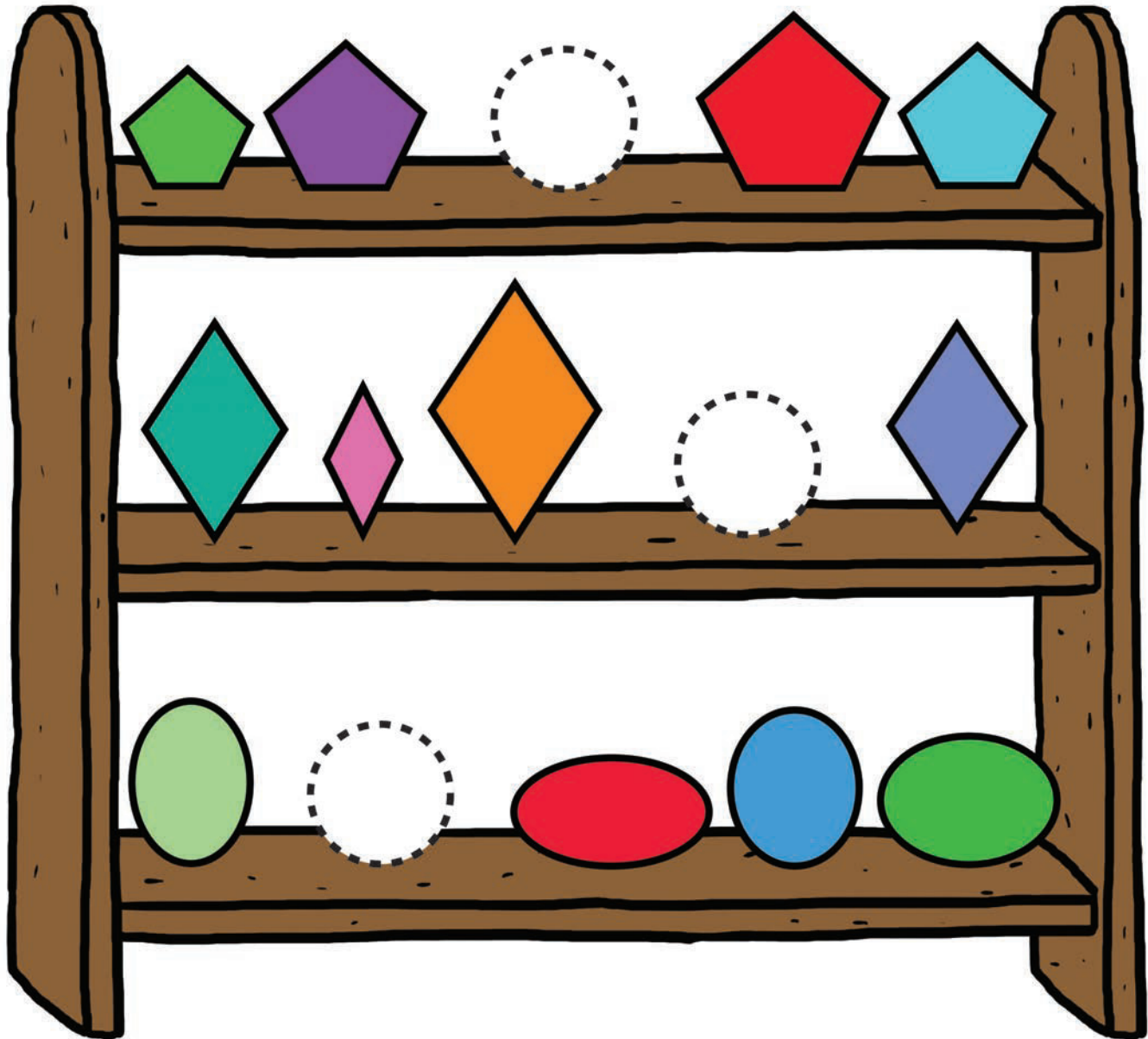
 = black	 = blue	 = red
 = brown	 = green	 = yellow
 = orange	 = purple	 = gray



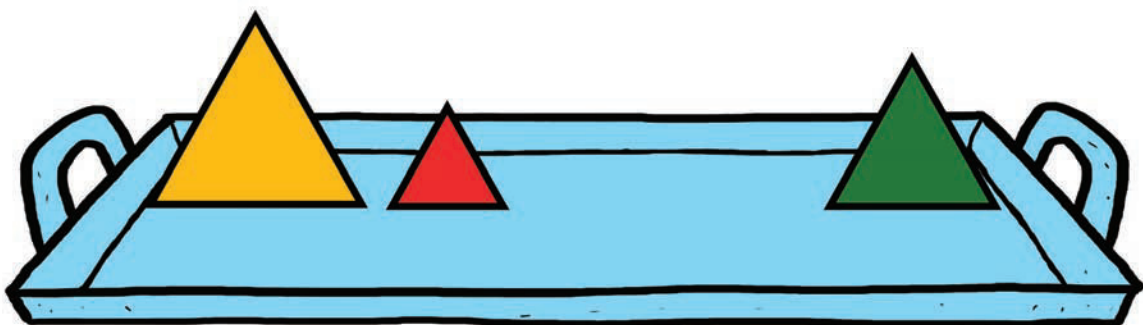
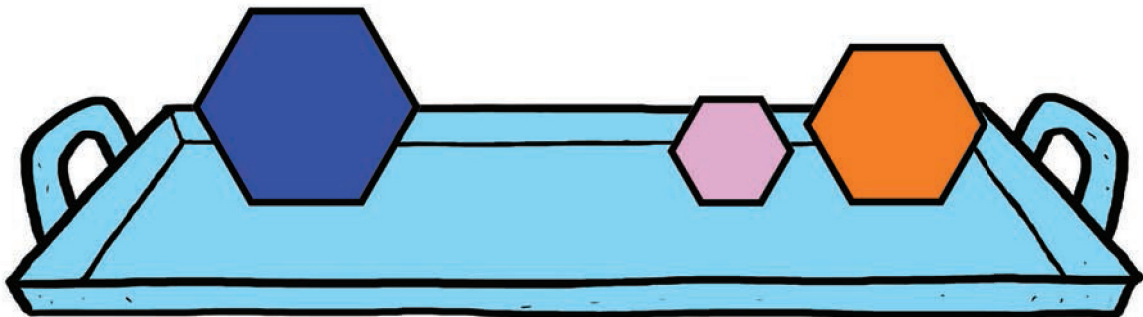
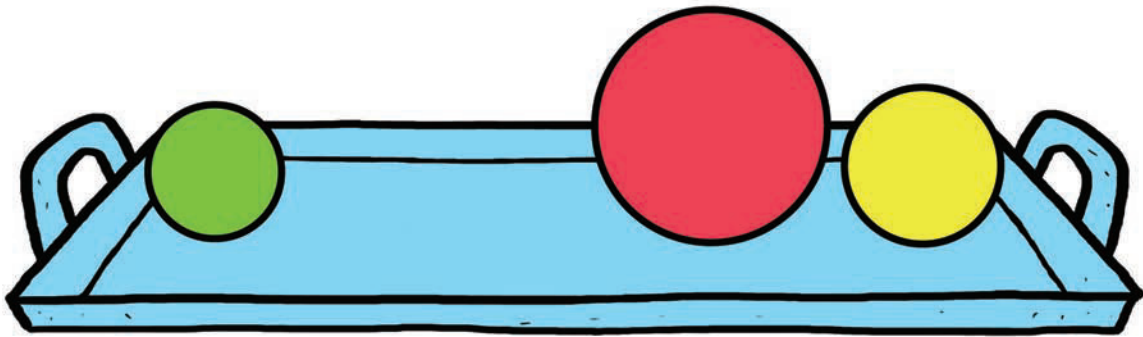
Paste each shape on the shelf where it belongs.



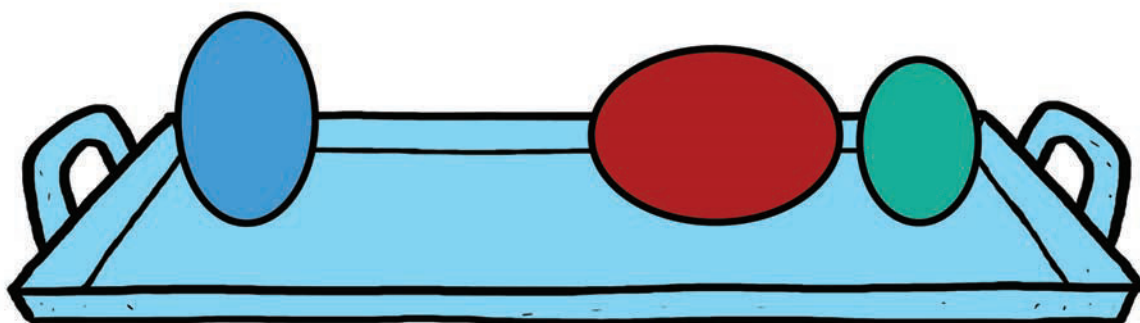
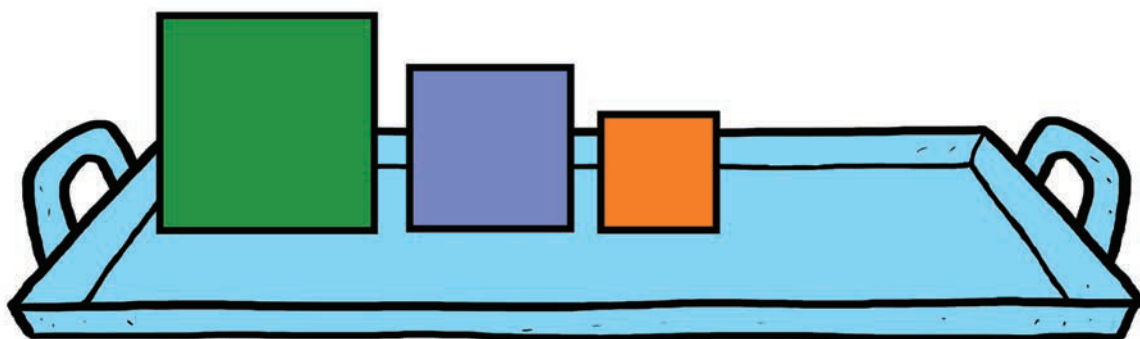
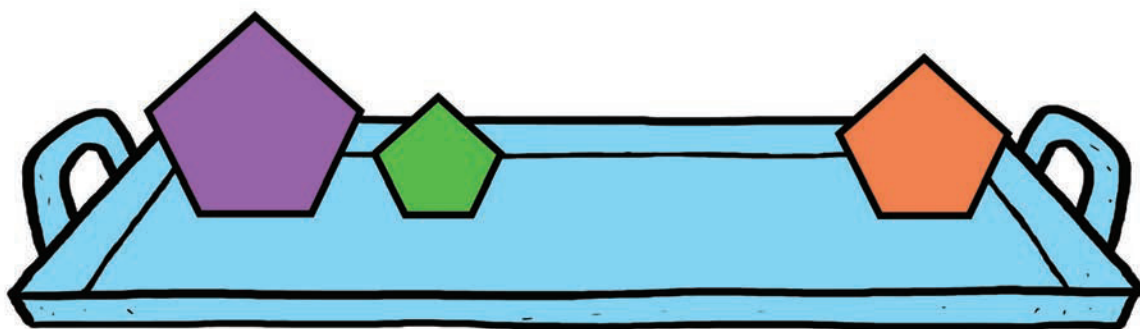
Paste each shape on the shelf where it belongs.



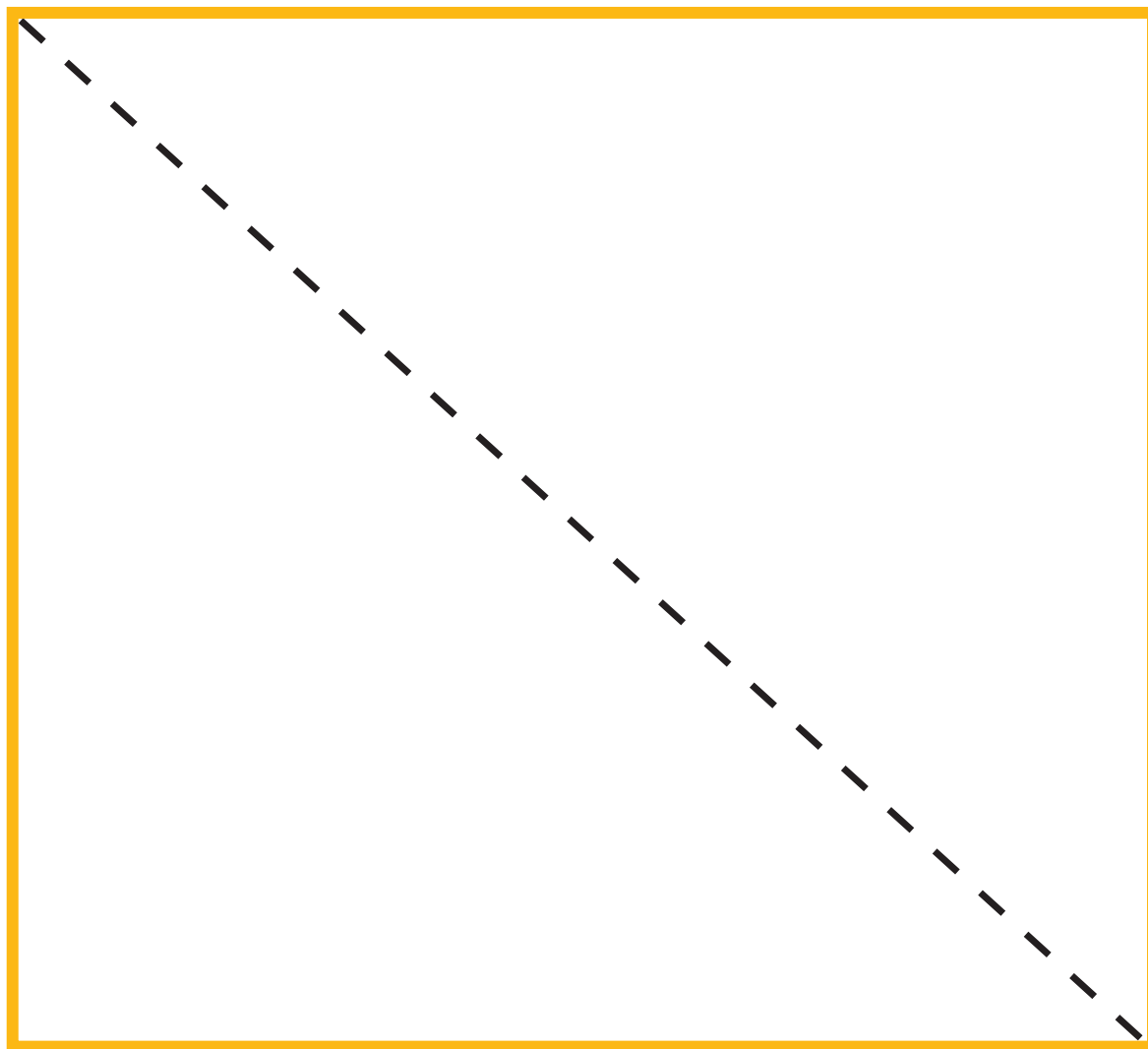
Draw the correct shape on each tray.



Draw the correct shape on each tray.

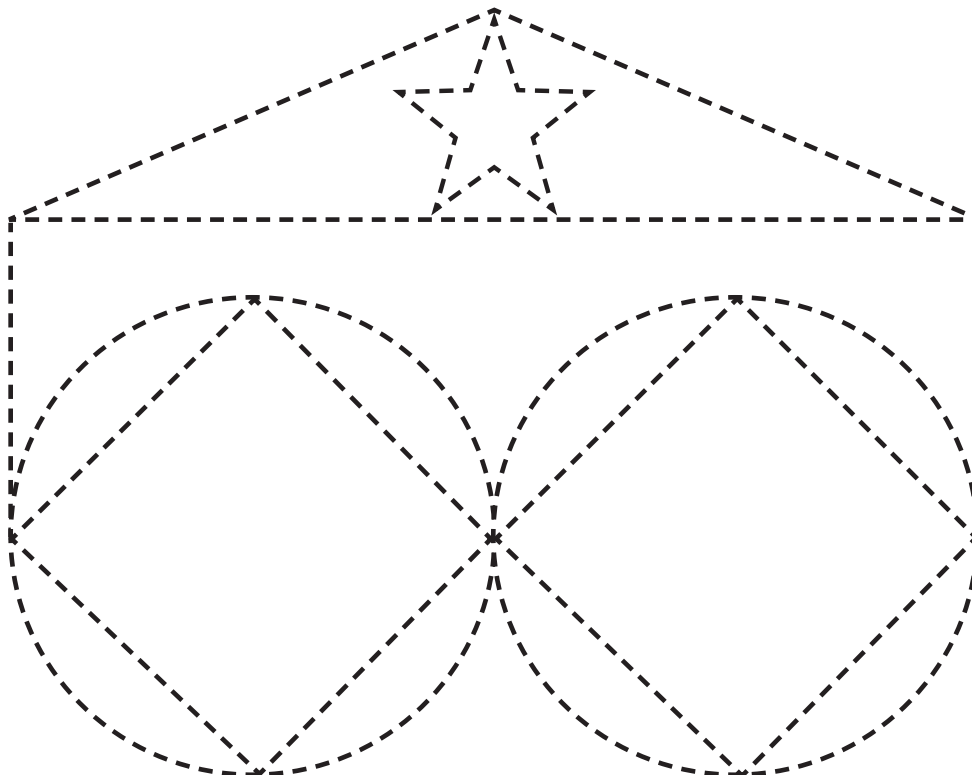
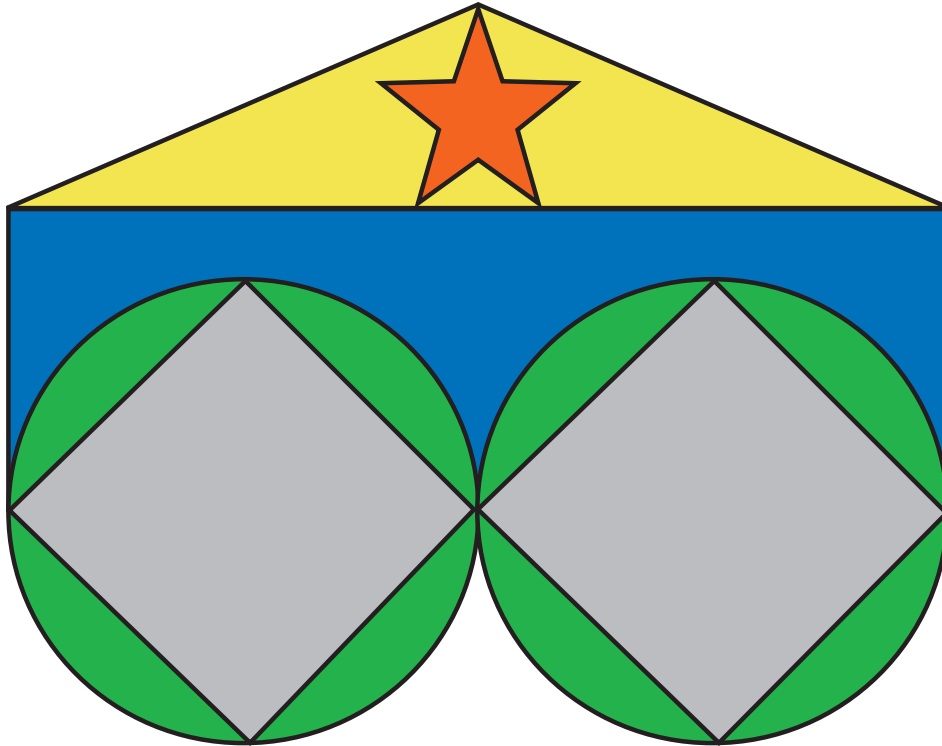


1. **Trace** the dotted line in the shape to form two triangles.

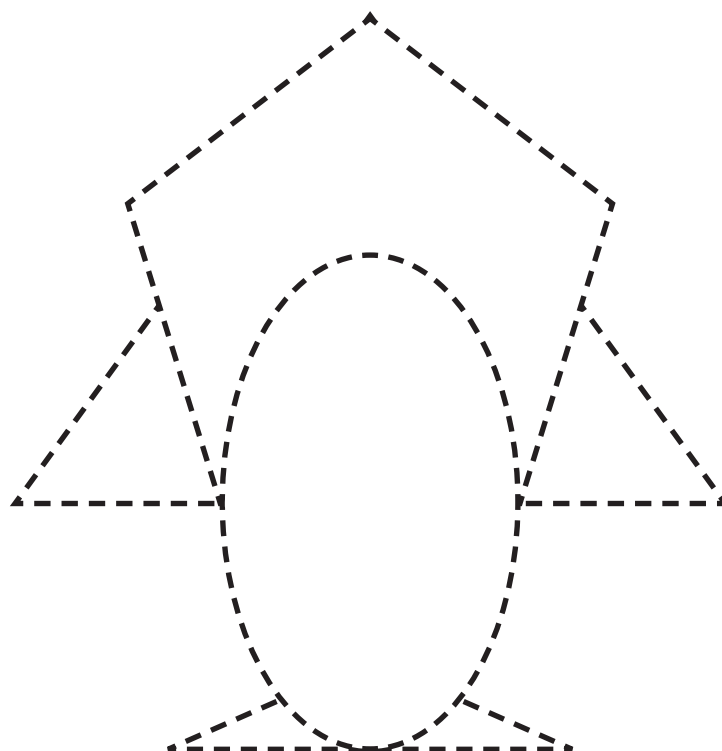
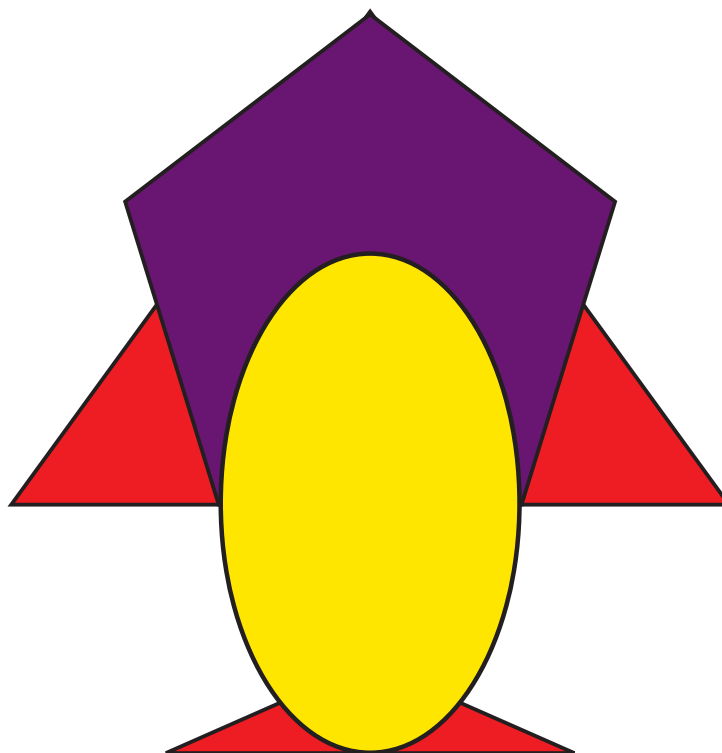


2. **Color** one of the triangles **red**.
3. **Draw** a line in the white triangle to make 2 smaller white triangles.
4. **Color** one of the smaller white triangles **blue**.

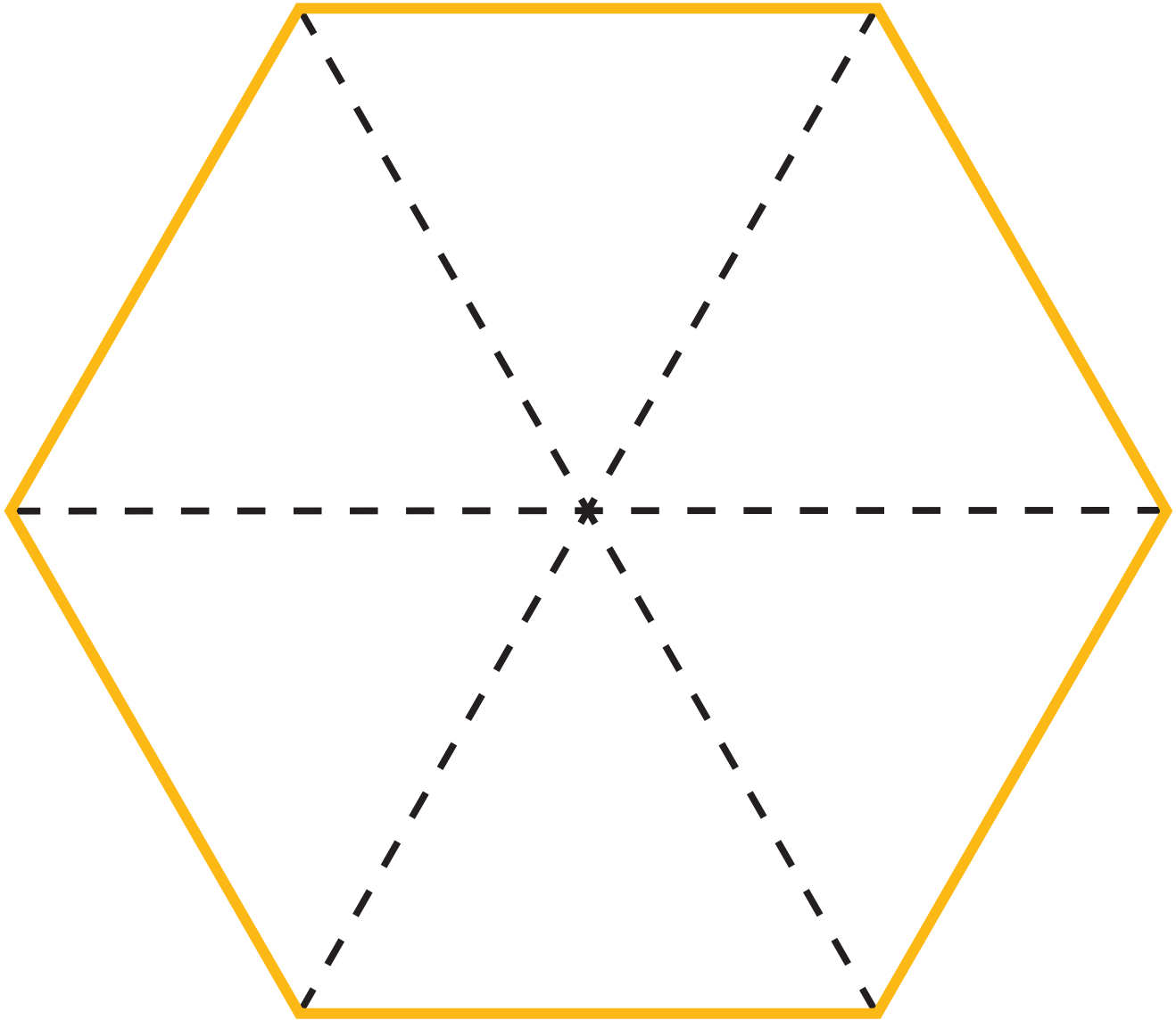
Trace and color the shapes to make the two pictures look the same.



Trace and color the shapes to make the two pictures look the same.



1. **Trace** the dotted line in the shape to form triangles.

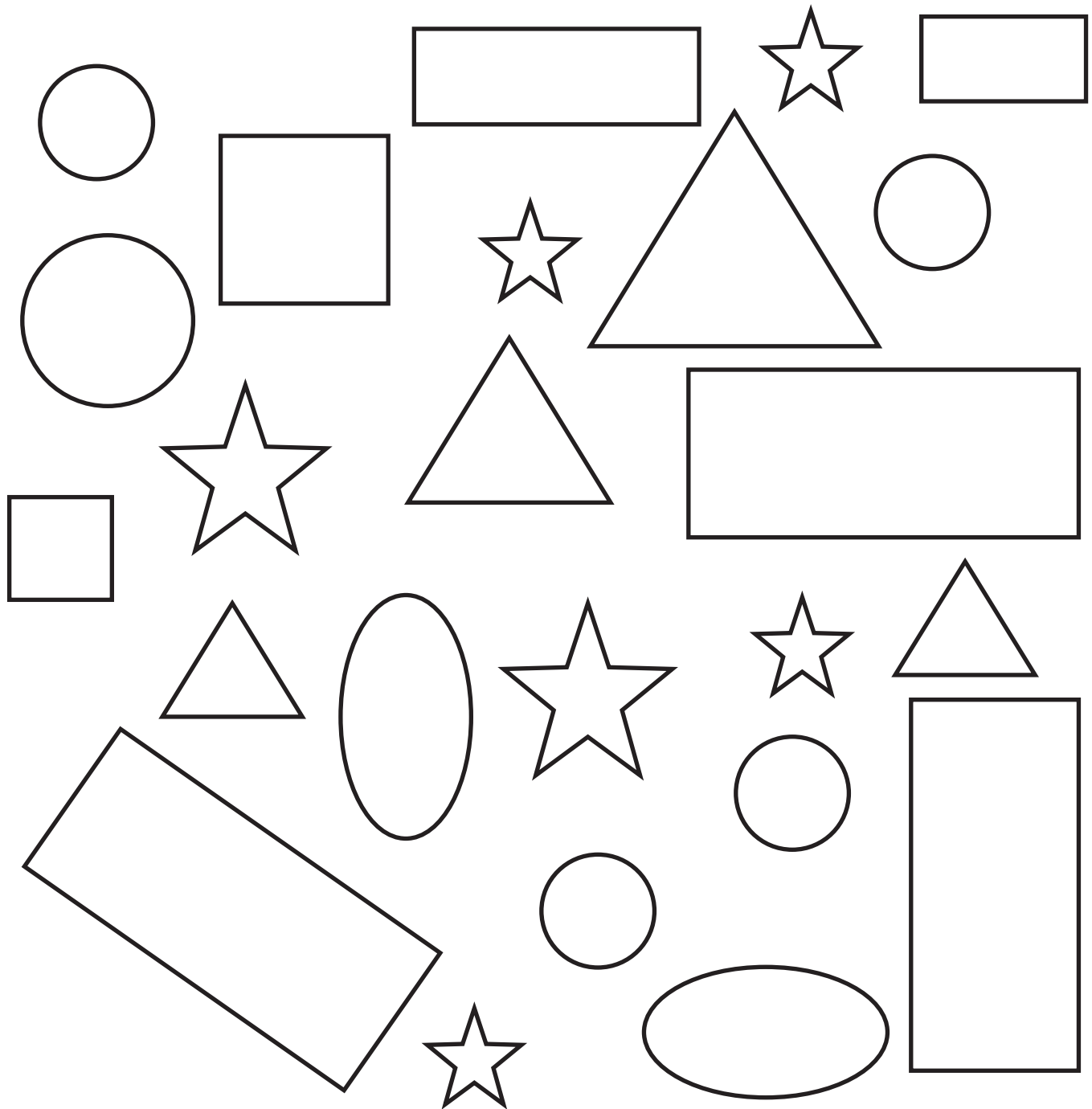


2. How many triangles are formed?

3. **Color** two triangles **yellow** to form a diamond shape.

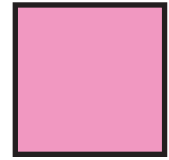
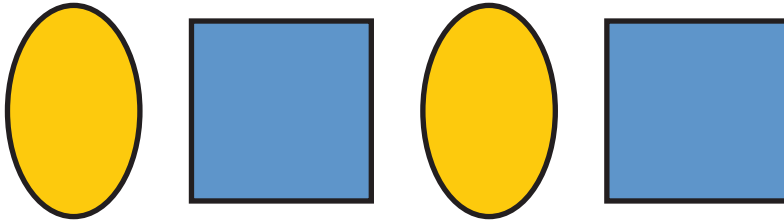
4. **Color** two triangles **green** to form a diamond shape.

Color the small stars yellow.
Color the rectangles orange.

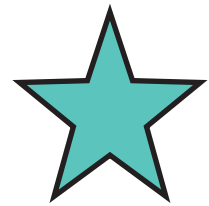
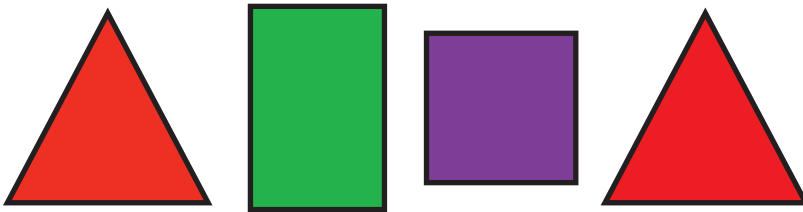


Draw a line to the shape that comes next.

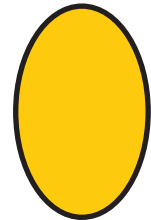
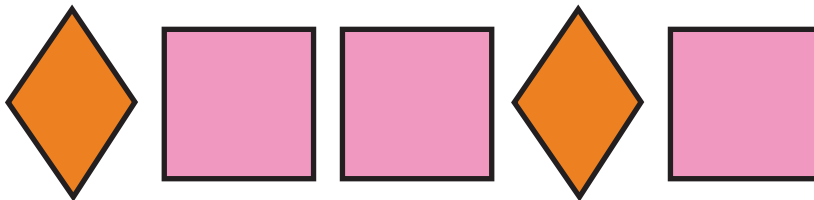
1.



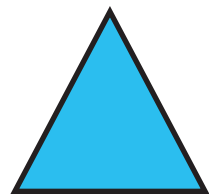
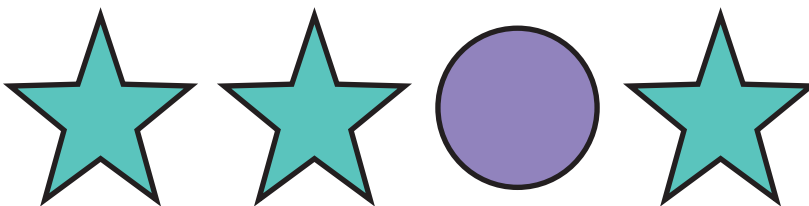
2.



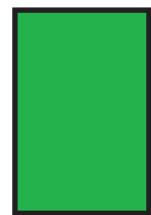
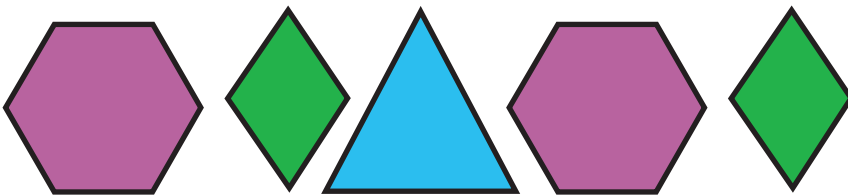
3.



4.



5.

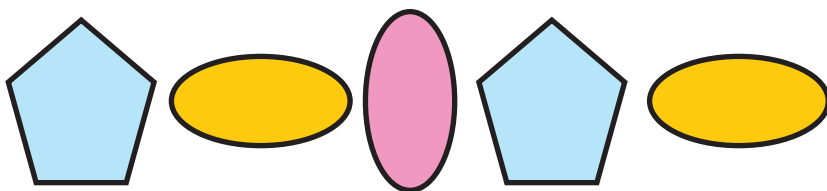


Draw a line to the shape that comes next.

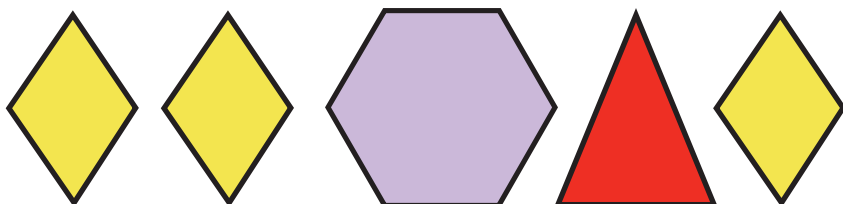
1.



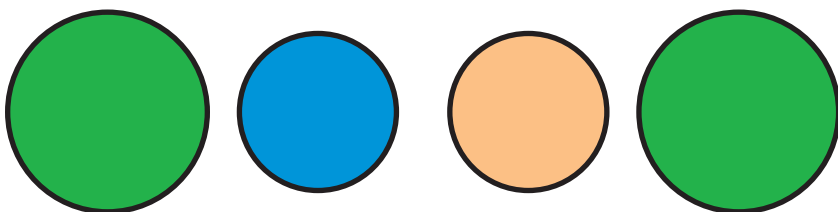
2.



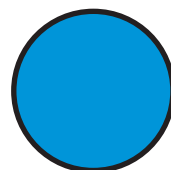
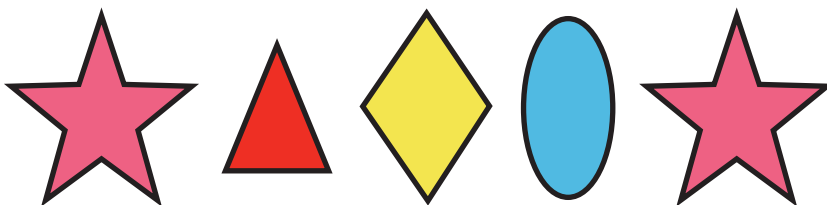
3.



4.

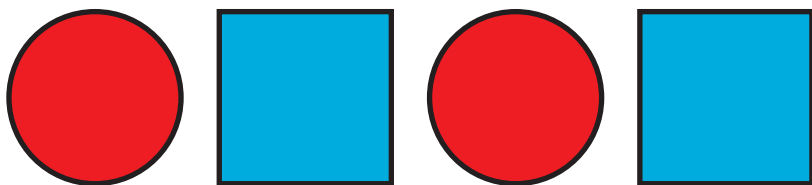


5.

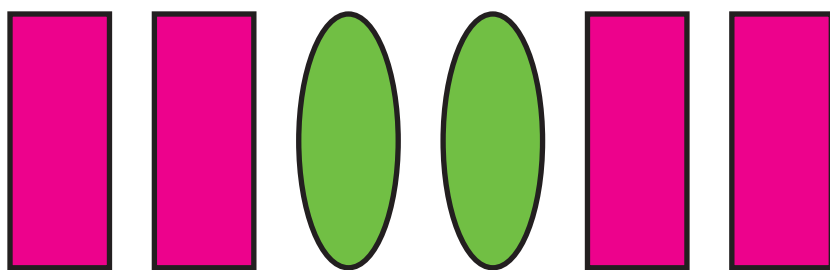


Draw what comes next in the box at the end of each row.

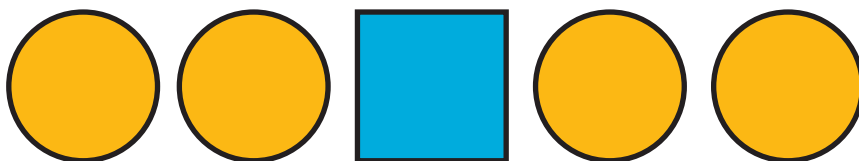
1.



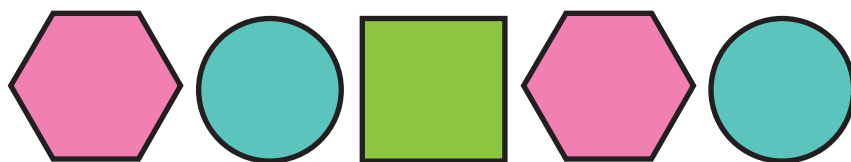
2.



3.

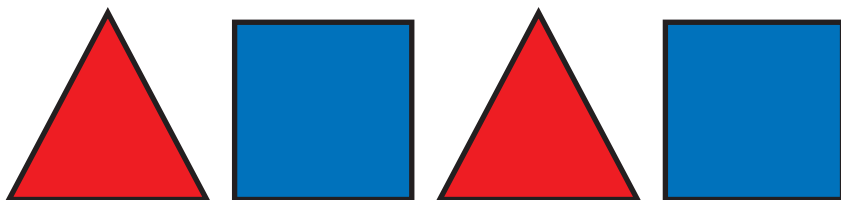


4.

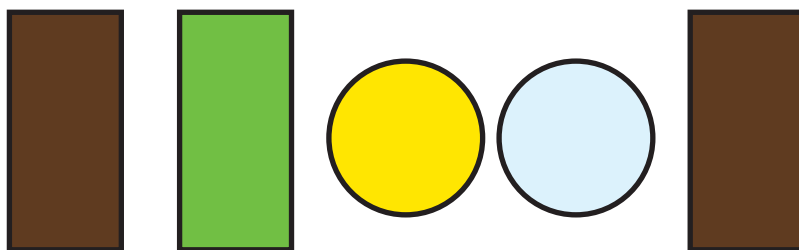


Draw what comes next in the box at the end of each row.

1.



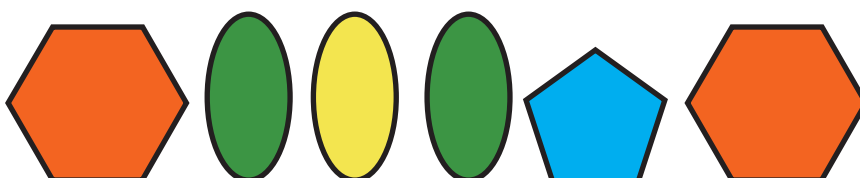
2.



3.

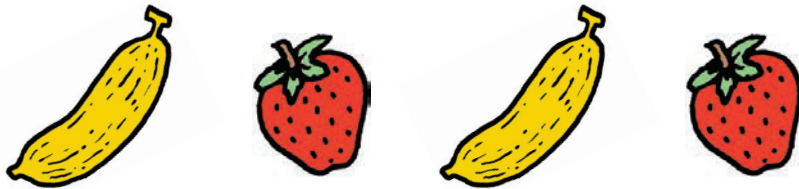


4.

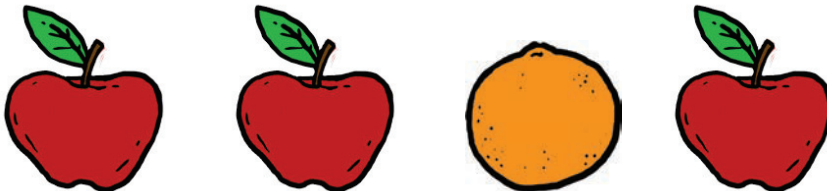


Draw what comes next in the box at the end of each row.

1.



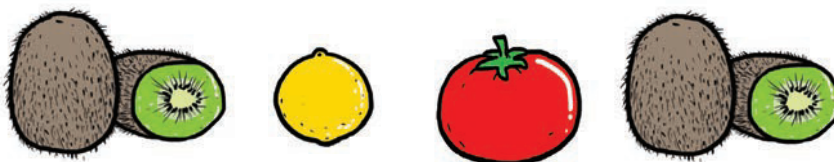
2.



3.

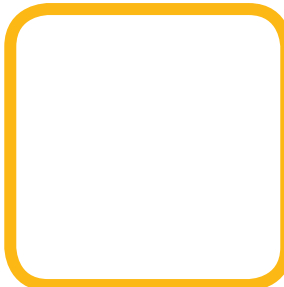


4.

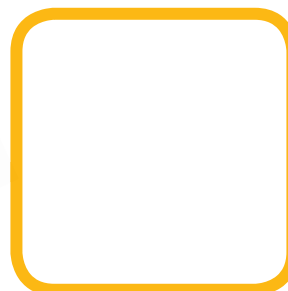
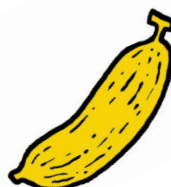
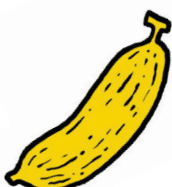
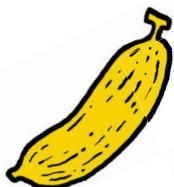


Draw the missing fruit to complete the pattern.

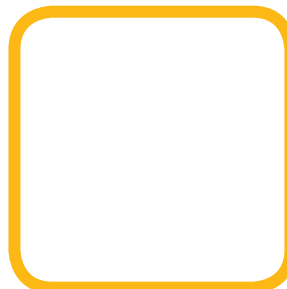
1.



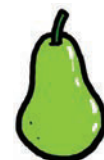
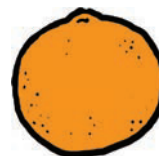
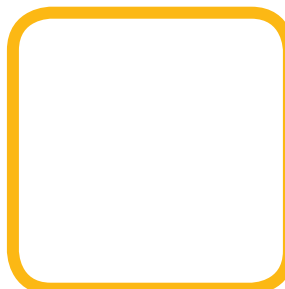
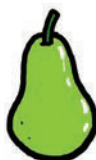
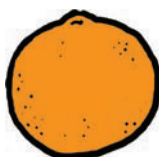
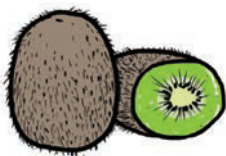
2.



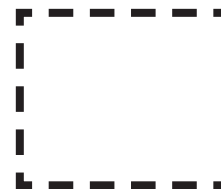
3.



4.



Look at the pictures. Paste the correct vehicle to complete the pattern.



Color the last vehicle in each row to complete the pattern.

1.



2.



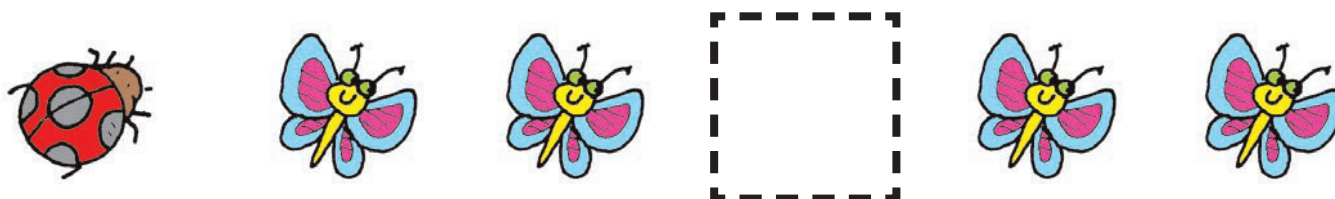
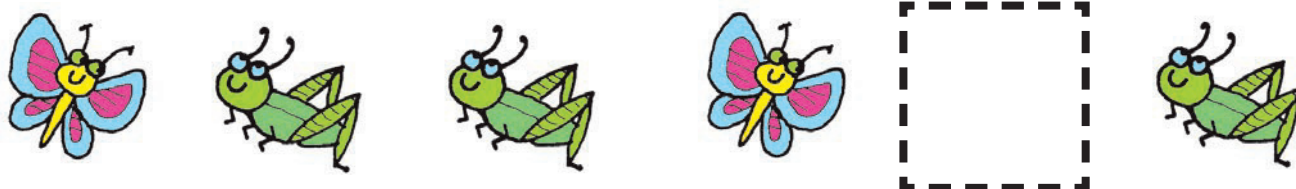
3.



4.



Look at the pictures. Paste the correct insect to complete the pattern.



Color the last insect in each row to complete the pattern.

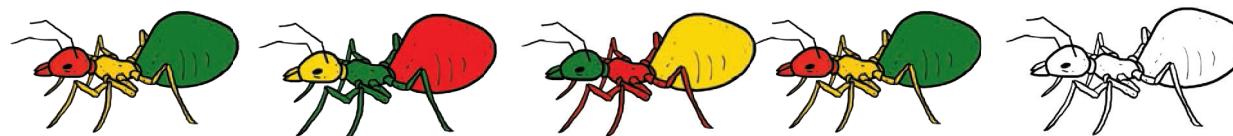
1.



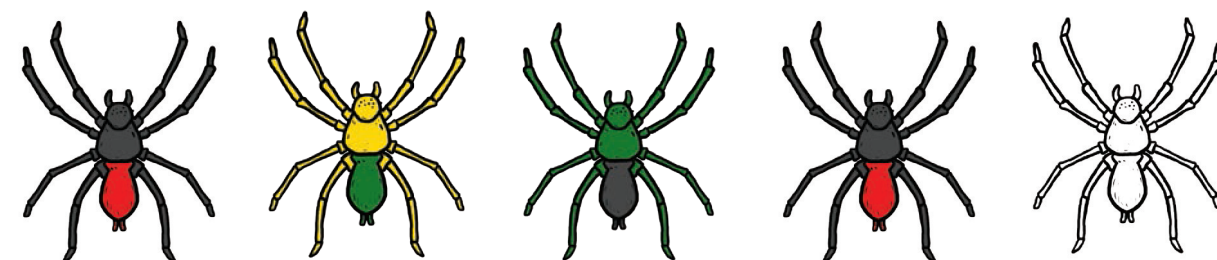
2.



3.








4.




Draw lines to match the flowers that complete the patterns.

1.












•

•




2.












•

•




3.












•

•

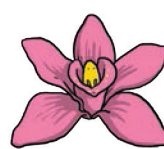

--

4.

•

•



Color the flower at the end of each row that completes the pattern.

1.



a



b



2.



a



b



3.



a



b



Color the leaf at the end of each row that completes the pattern.

1.



a



b



2.



a



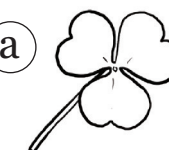
b



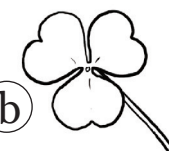
3.



a

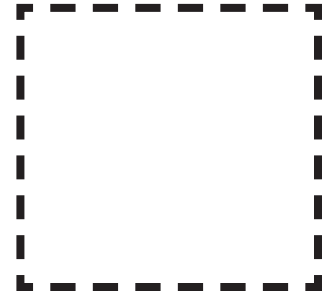


b



Paste the correct leaf in each row to complete the pattern.

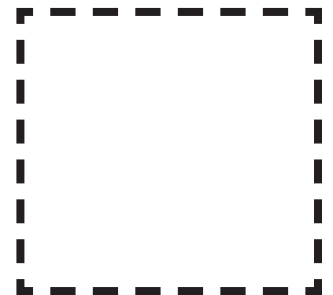
1.



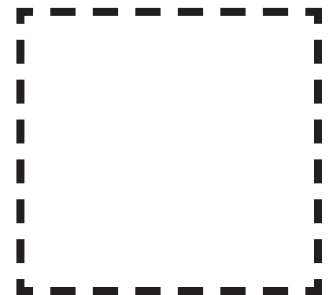
2.



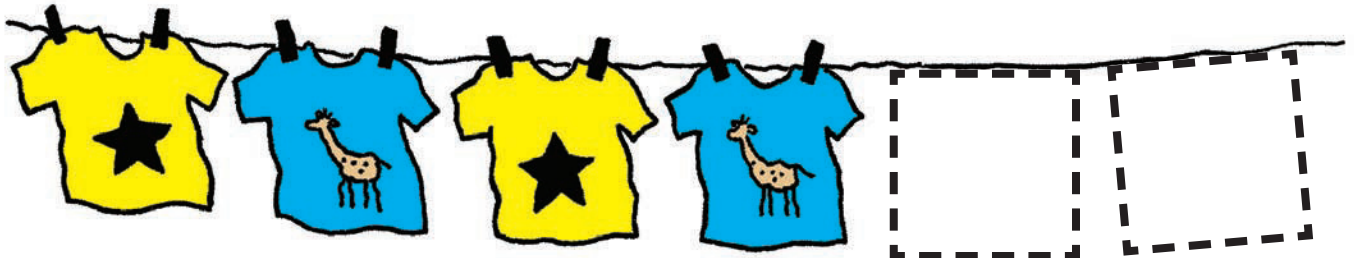
3.



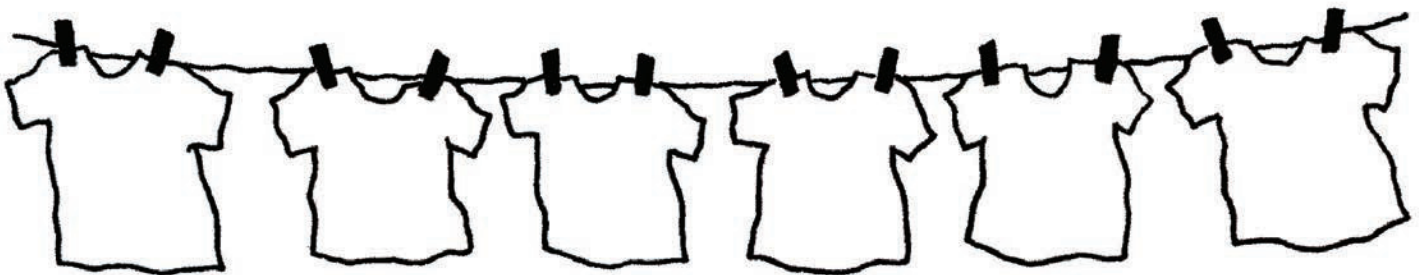
4.









Paste the correct stickers to complete each pattern.







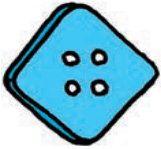


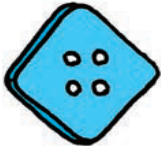
Draw and color your own patterns on these T-shirts.






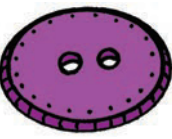


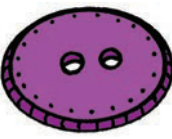

Continue labeling each pattern.



1.      

A B A B  




2.      

A A B A  







3.      

A B C A  

Look at each pattern. What kind of pattern is it?
Circle the answer.

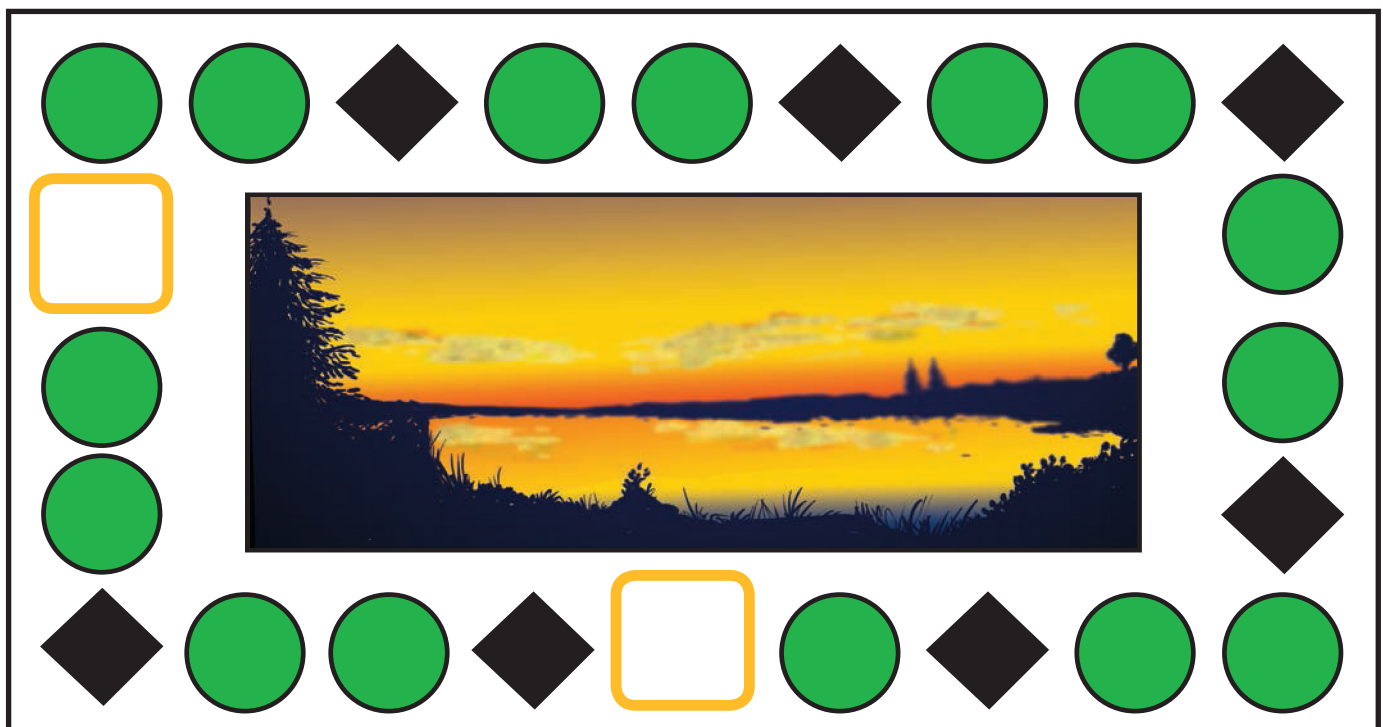
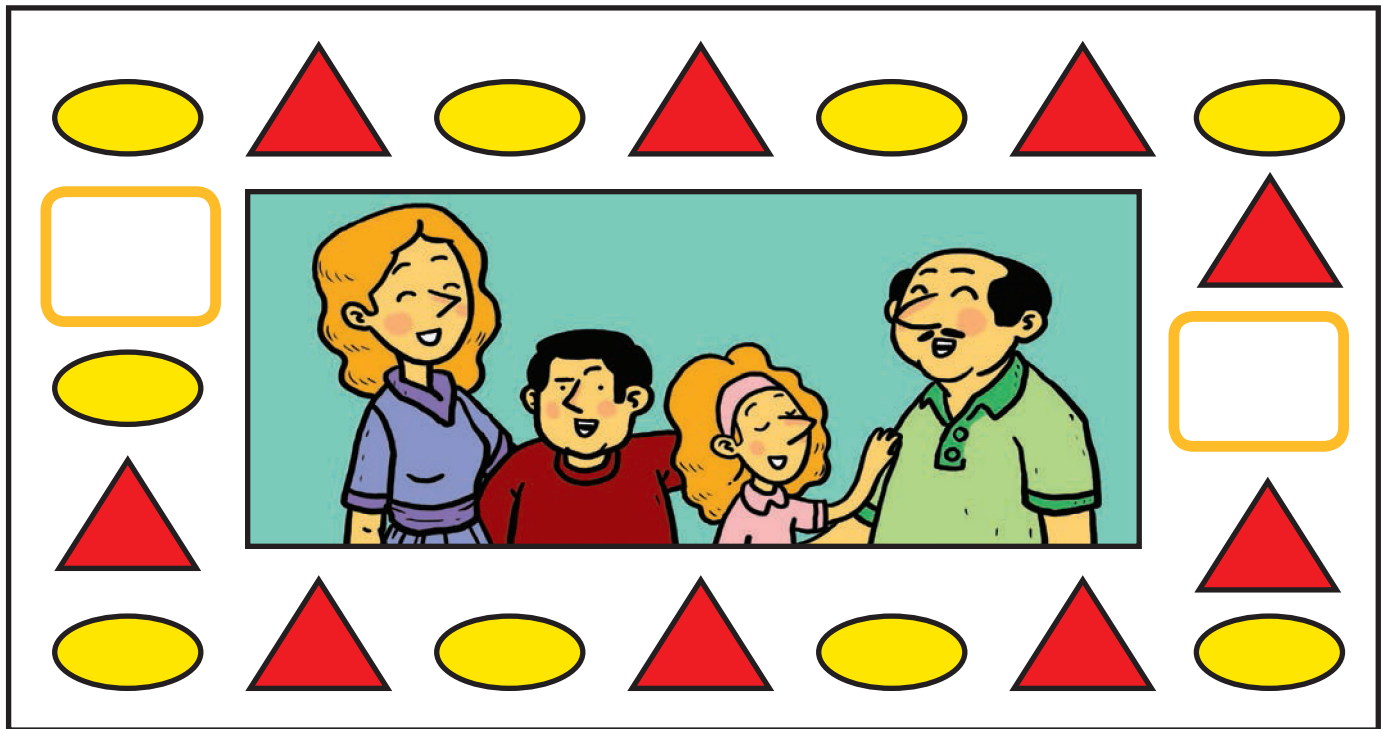
4.      

AAB AB

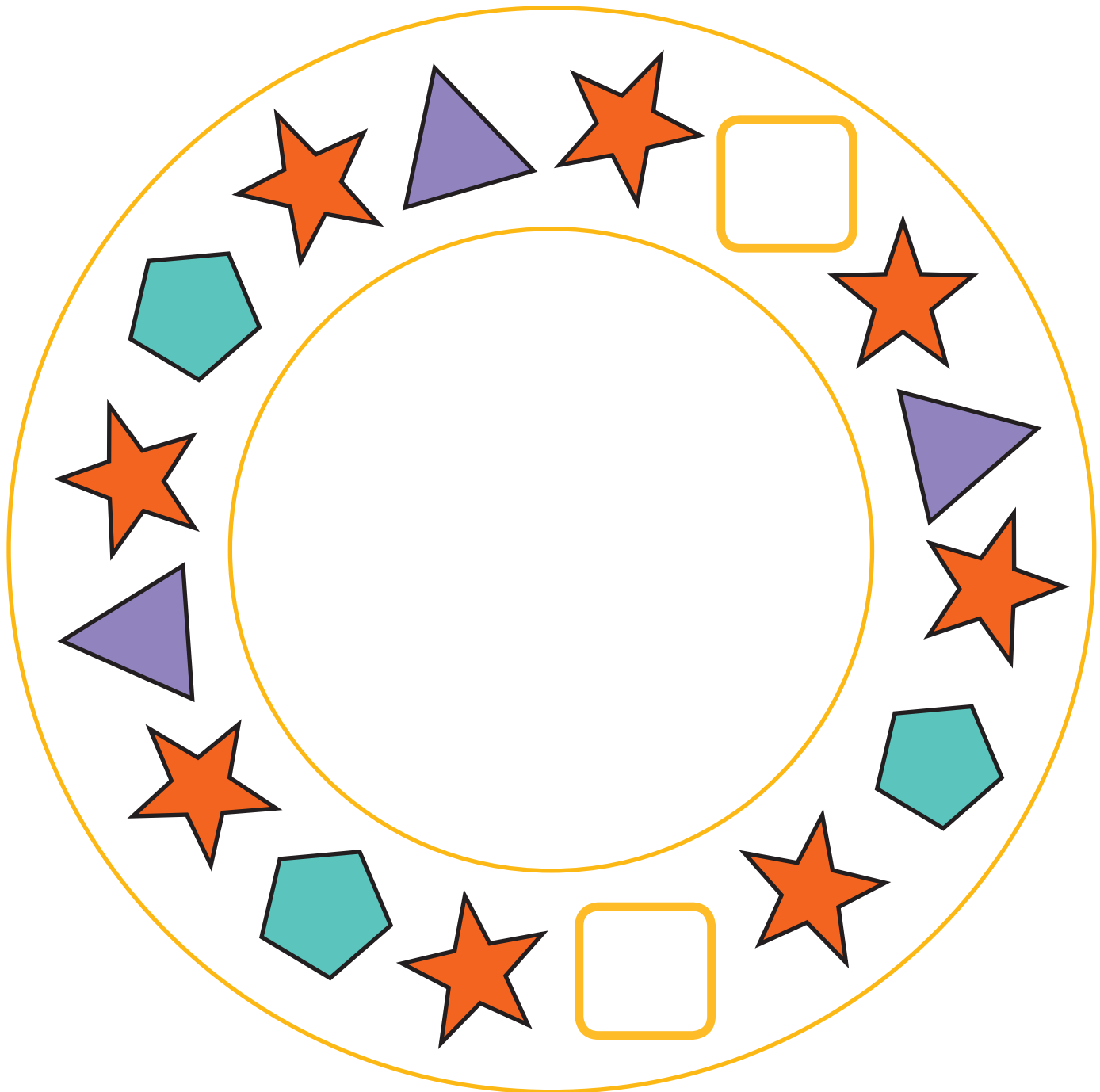
5.      

ABC ABB

These shapes are making a pattern on the frame of a picture. Draw and color the missing shapes.



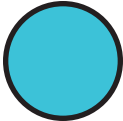
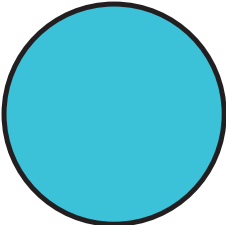
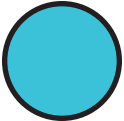
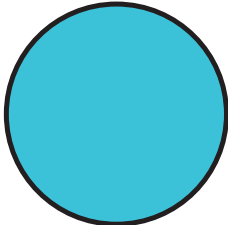
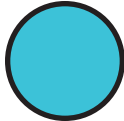
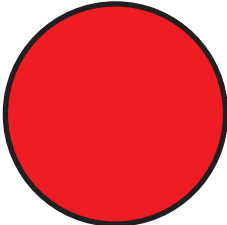
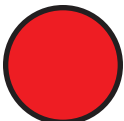
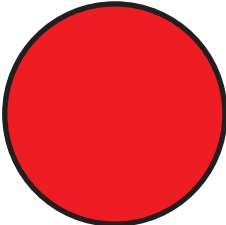
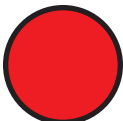
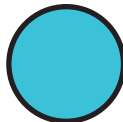
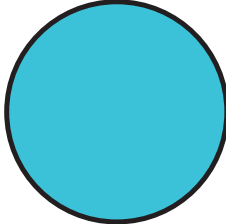
**These shapes make a pattern on the frame of a mirror.
Draw and color the missing shapes.**



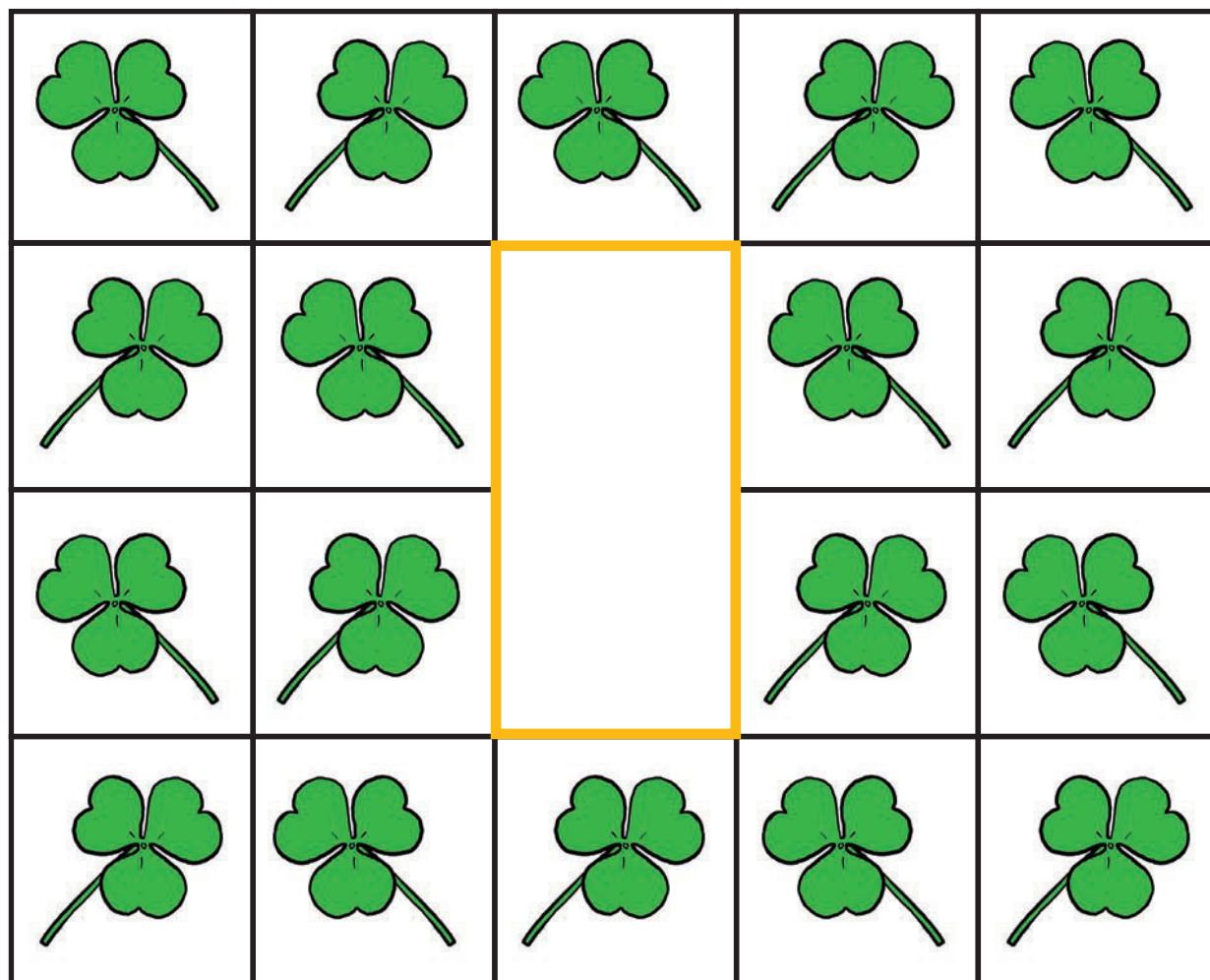
Look at the pattern. Color the other squares to continue the pattern.

Yellow	Green	Yellow	Green	
Green	Yellow	Green		

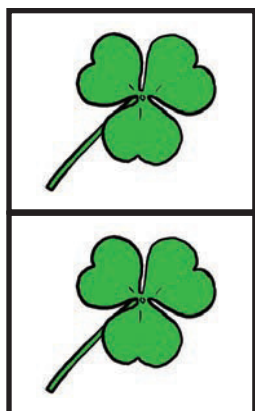
Look at the pattern. Draw and color the shapes to continue the pattern.

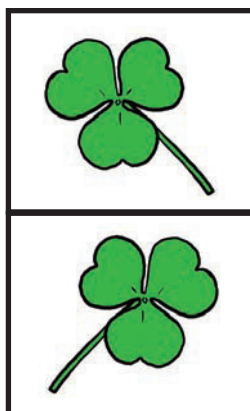
Look at the pattern. Circle the correct pair of squares that completes the pattern.



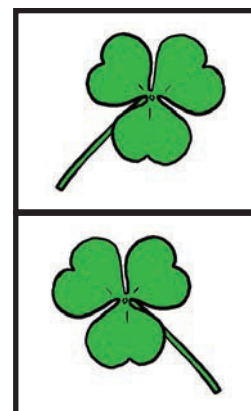
(a)



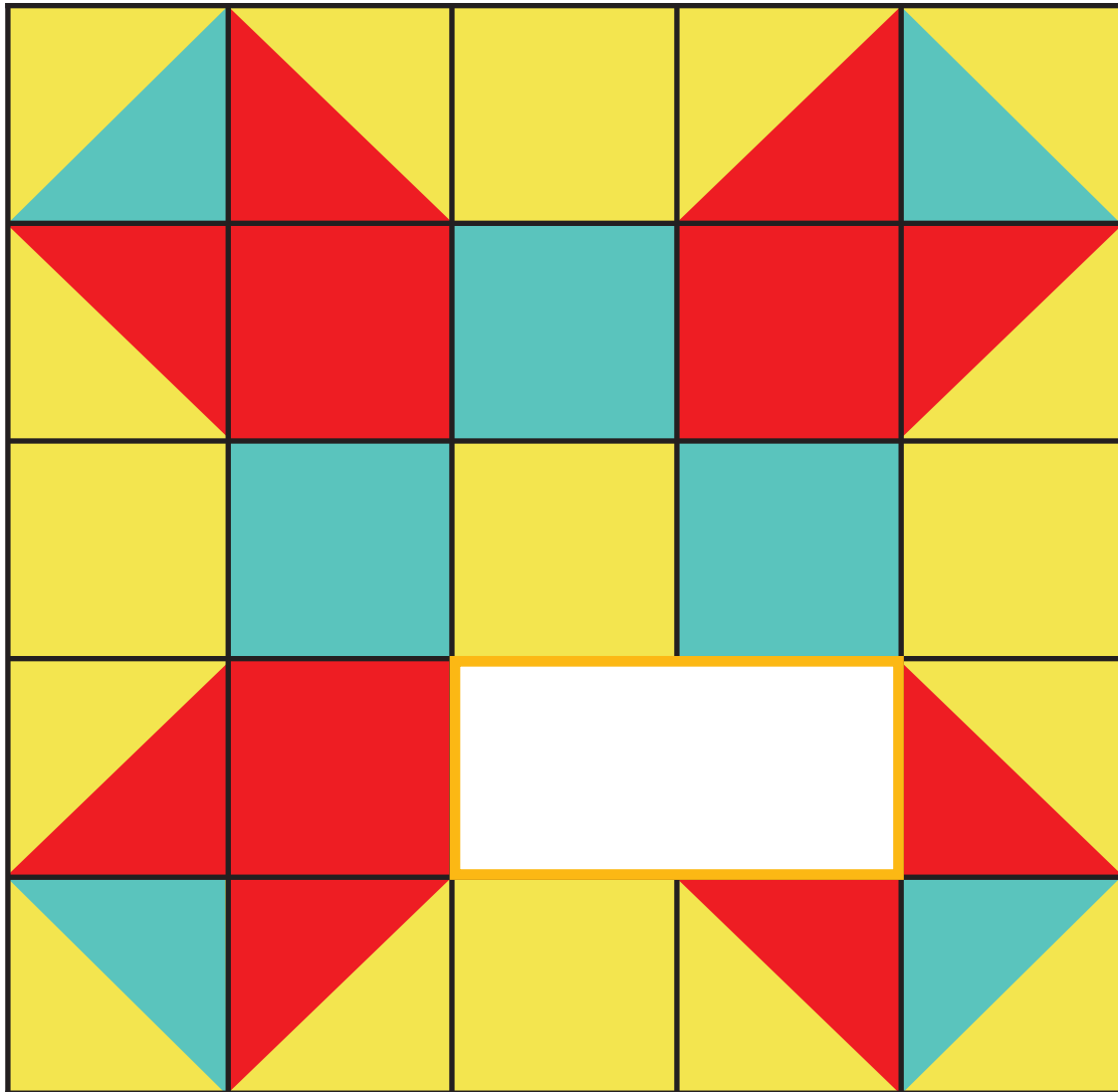
(b)



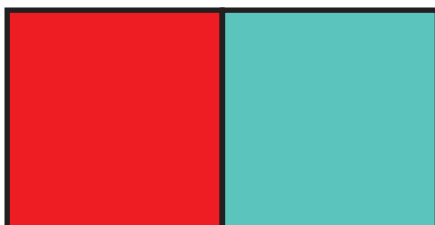
(c)



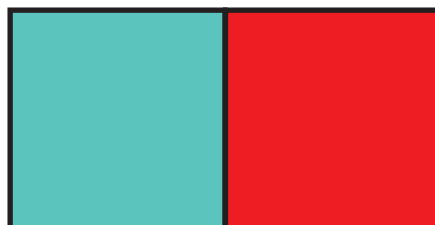
Look at the pattern. Circle the correct pair of squares that completes the pattern.



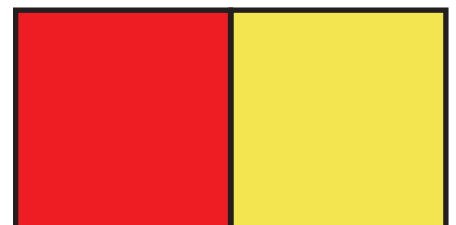
(a)



(b)

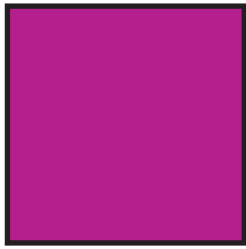


(c)



Color the bubble next to the correct answer.

1. How many sides does a square have?



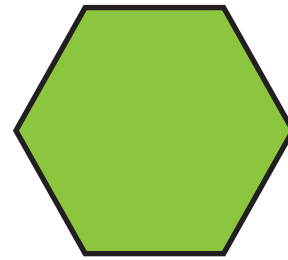
☐ A 1

☐ B 2

☐ C 3

☐ D 4

2. How many sides does a hexagon have?



☐ A 6

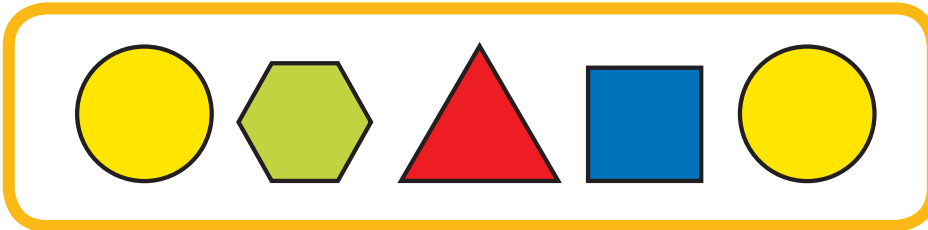
☐ B 5

☐ C 4

☐ D 3

Color the bubble next to the correct answer.

3. Which shape comes next in the pattern?



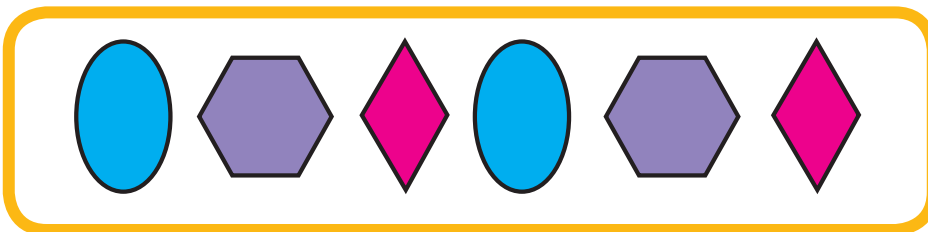
☐ A circle

☐ C triangle

☐ B hexagon

☐ D square

4. Which shape comes next in the pattern?



☐ A oval

☐ C diamond

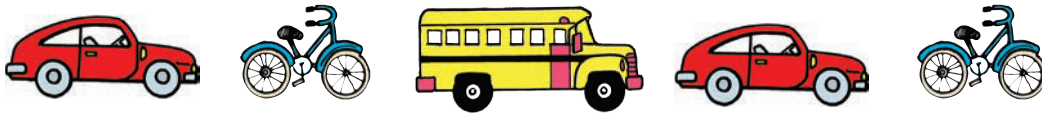
☐ B hexagon

☐ D circle

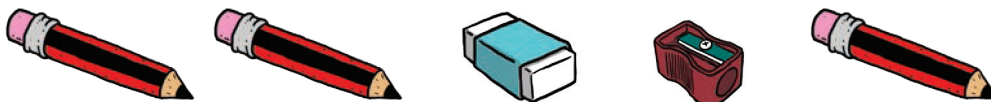
Shapes and Patterns Practice Test

Color the bubble next to the correct answer.

5. Which object comes next in the pattern?

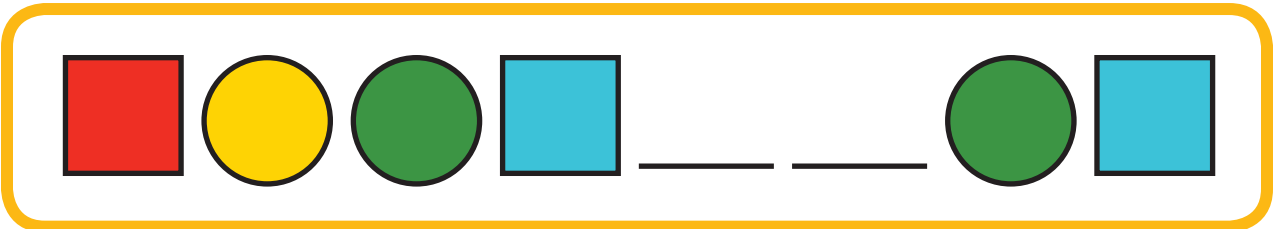


6. Which object comes next in the pattern?




Color the bubble next to the correct answer.

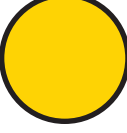
7. Which shapes complete the pattern?



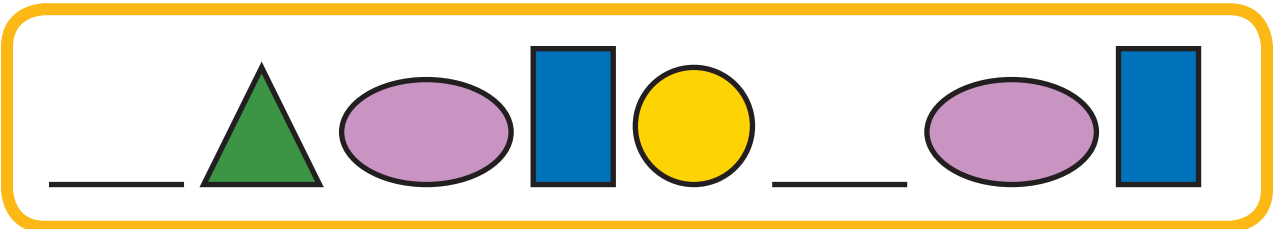
☐ A  and 



☐ C  and 

☐ B  and 

☐ D  and 

8. Which shapes complete the pattern?



☐ A  and 

☐ C  and 

☐ B  and 

☐ D  and 



Problem Solving

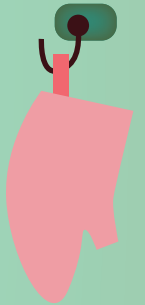
Have you heard the old saying, “A picture is worth a thousand words”? Pictures can sometimes explain things better than words can. In this section, your child will learn how to use pictures to solve problems.

What to Do

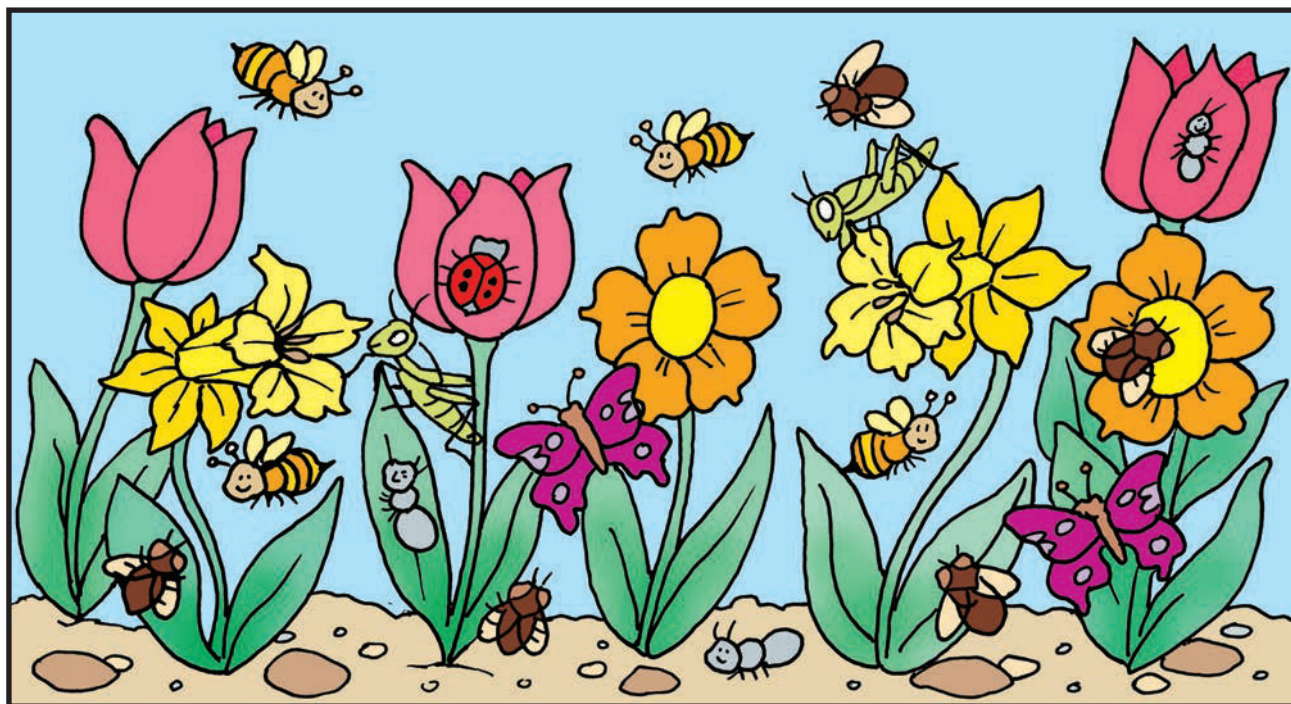
Read the directions on each page with your child. Have your child complete the activities. Together, review the work. Praise him or her for being a “super sleuth.”

Keep On Going!

With your child, put together puzzles or play games that require your child to find a way out of a maze.



Look at the picture. Write the number.



How many?













How many in all?

1.



and



3.



and



2.



and



4.



and



Circle how many you see in the picture.

1.		1	5
2.		4	2
3.		8	5
4.		6	3
5.		7	10
6.		2	8
7.		9	7
8.		10	7
9.		3	1



Circle how many you see in all.

10.  +  = 8 9 10

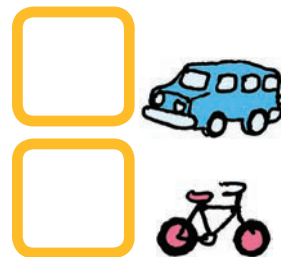
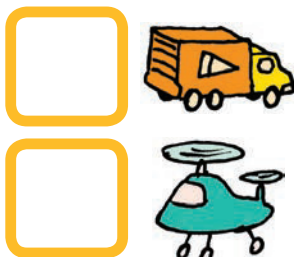
11.  +  = 3 8 9

12.  +  = 6 2 4

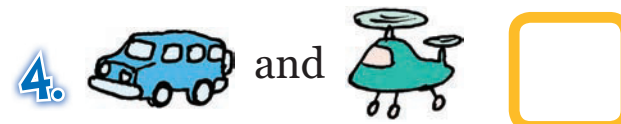
Look at the picture. Write the number.



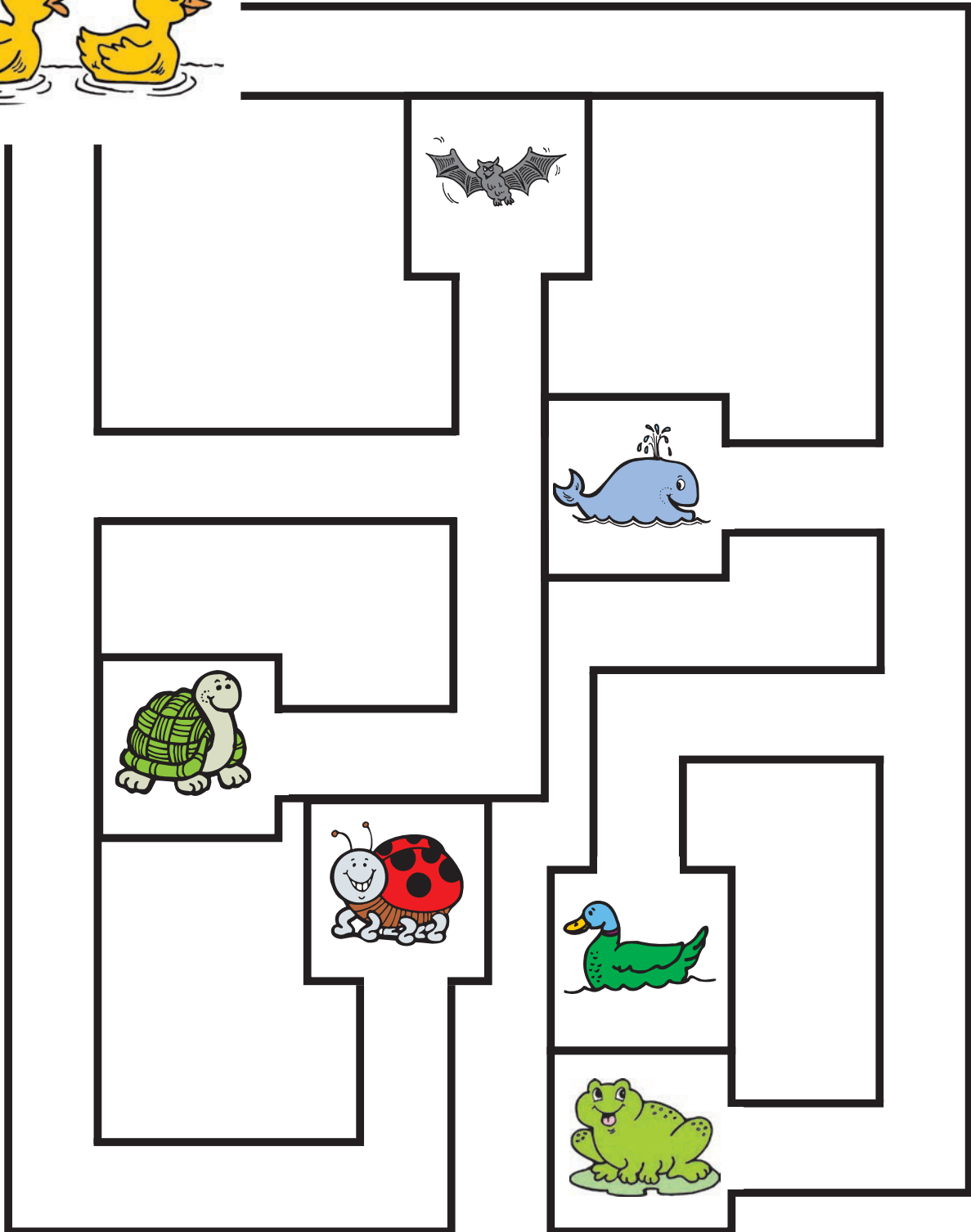
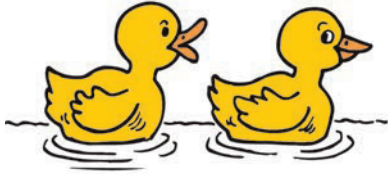
How many?



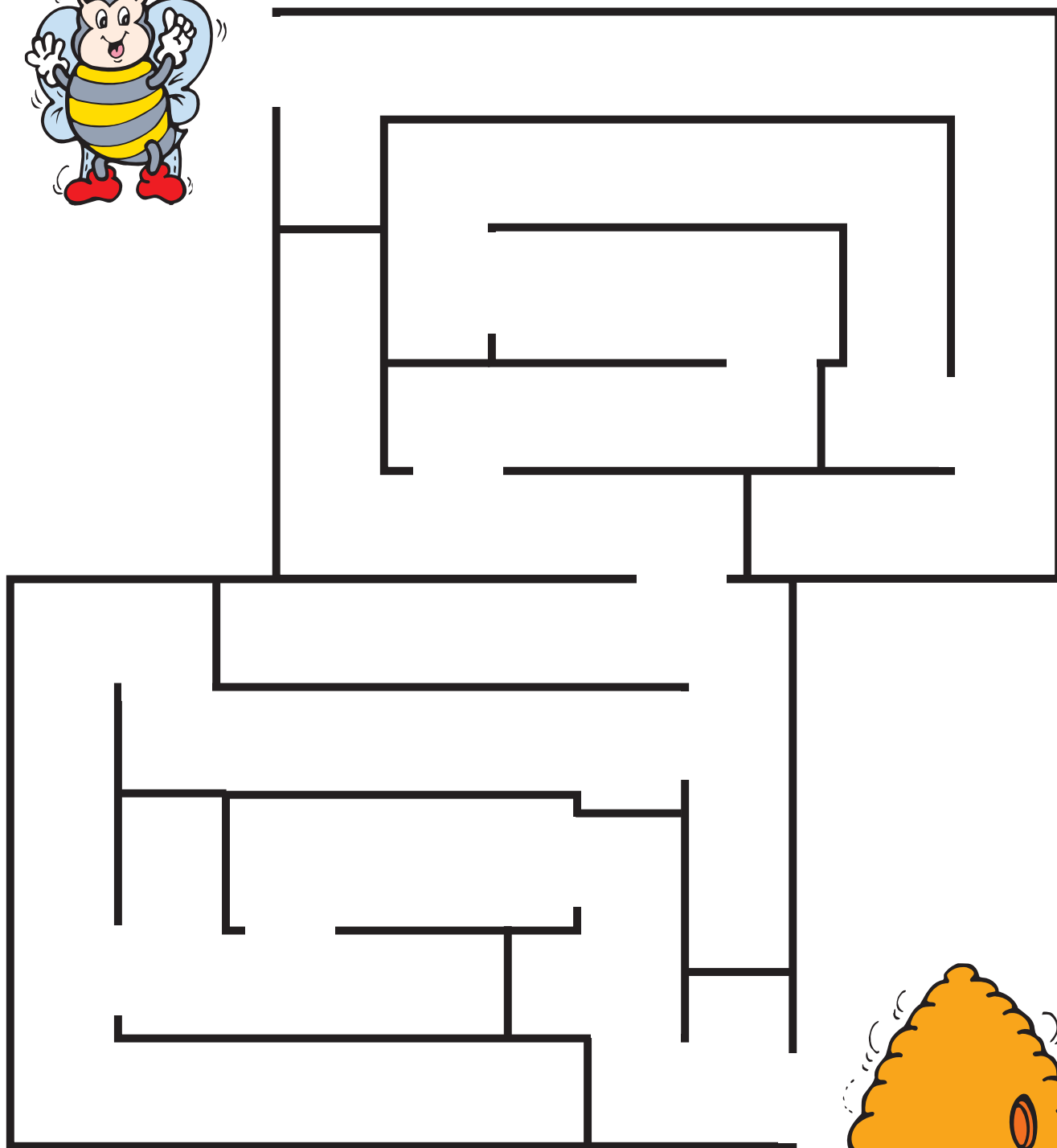
How many in all?



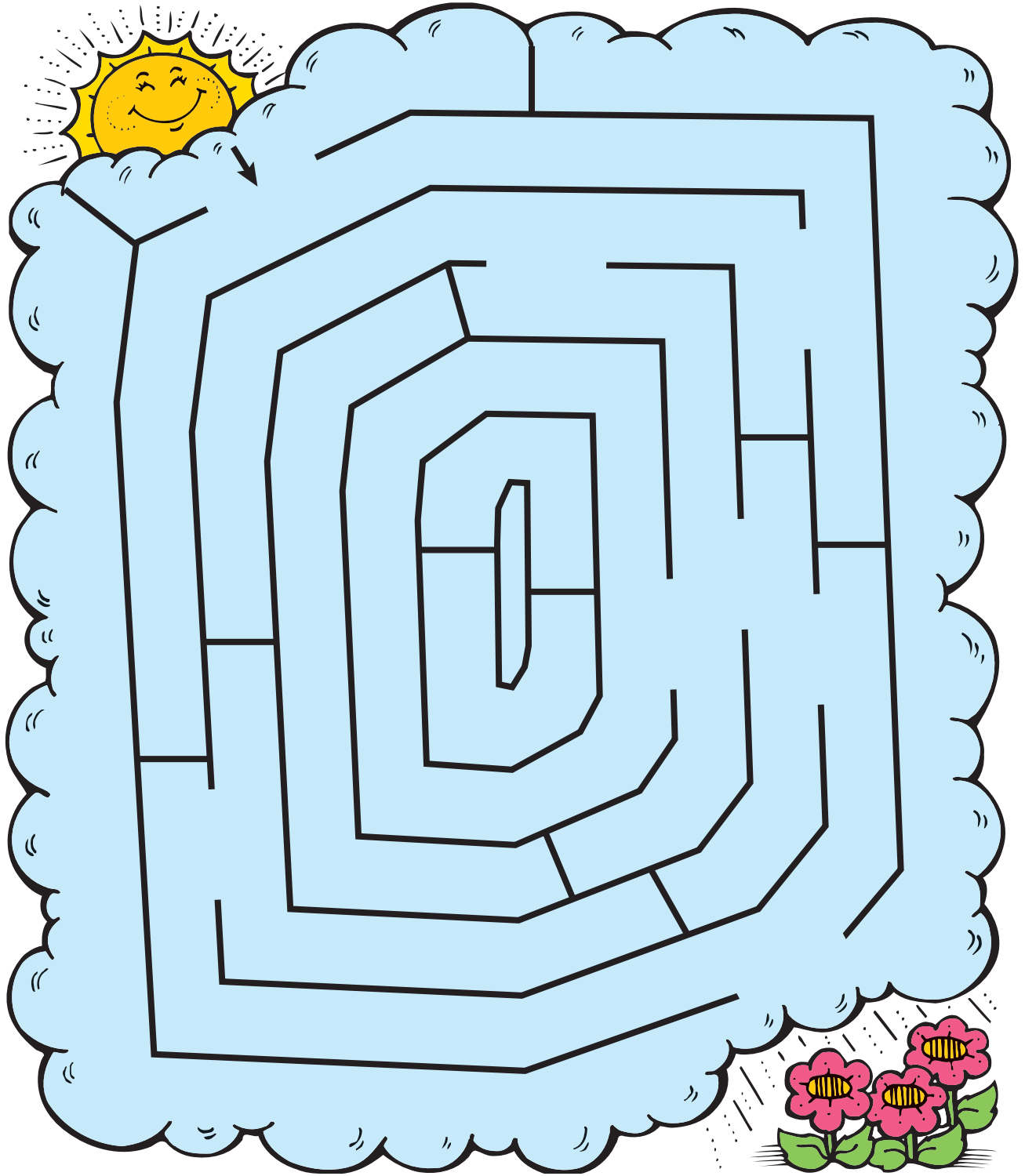
Help the baby ducks find the mother duck.



Help the bee find its way to the hive.



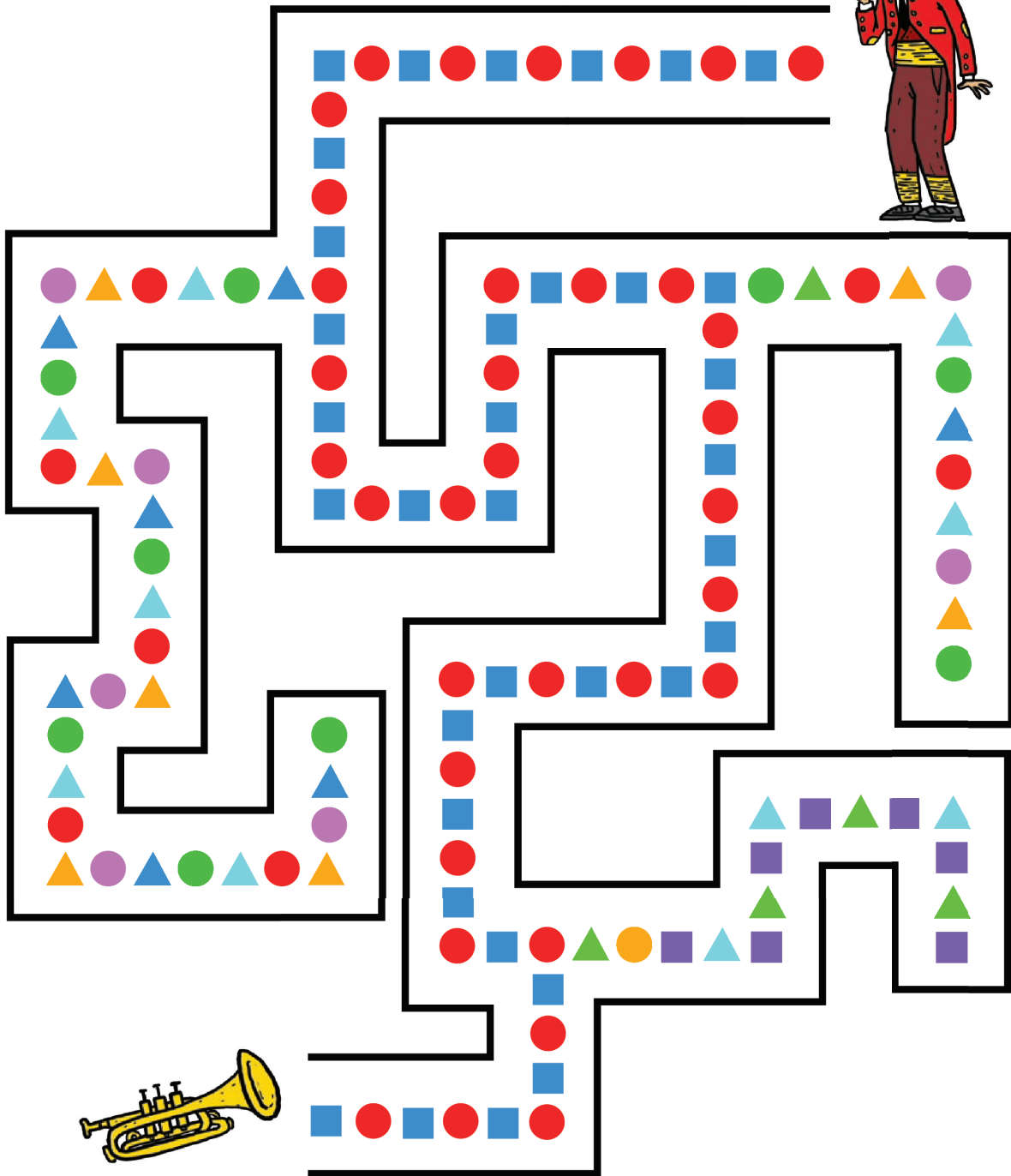
Help the sunshine reach the flowers.



Help the bat finds its way to the cave.



Help the musician find the trumpet.
Follow the red and blue pattern.



Color the bubble next to the correct answer.

Example

Which does **not** belong?

1	P	8	6
---	---	---	---



A 1



B P



C 8



D 6

1.

Which does **not** belong?

C	2	Y	X
---	---	---	---



A C



C Y



B 2



D X

2.

Which does **not** belong?

W	B	L	9
---	---	---	---



A W



C L

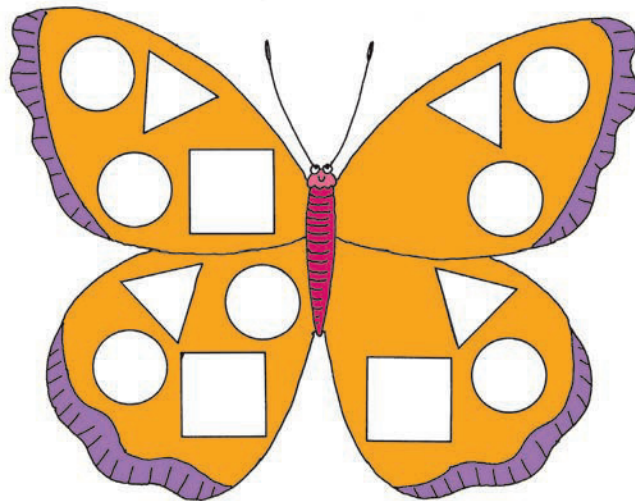


B B



D 9

Color the bubble next to the correct answer.



3. How many triangles are on the butterfly?

☐ A 1

☐ C 3

☐ B 2

☐ D 4

4. How many circles are on the butterfly?

☐ A 3

☐ C 7

☐ B 5

☐ D 9

5. How many squares are on the butterfly?

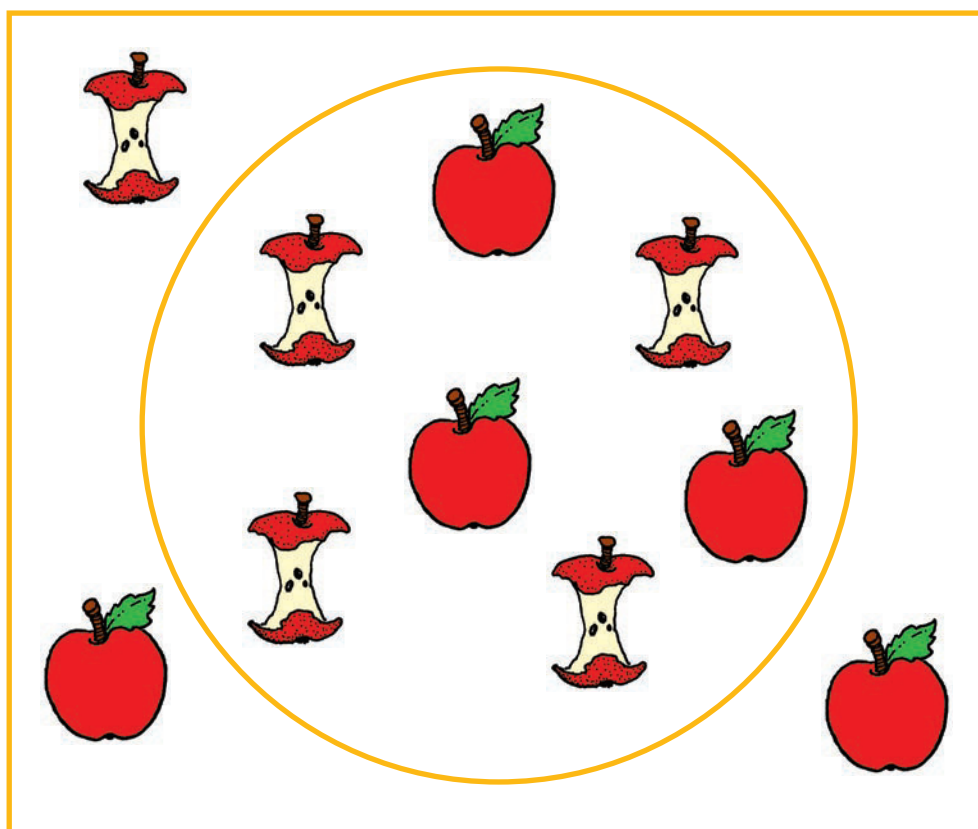
☐ A 6


☐ C 8

☐ B 3


☐ D 1

Color the bubble next to the correct answer.



6. How many  are in the circle?

- ☐ A 3
- ☐ B 4
- ☐ C 6
- ☐ D 7

7. How many  are in the circle?

- ☐ A 3
- ☐ B 4
- ☐ C 6
- ☐ D 7

Color the bubble next to the correct answer.


8. How many  are **not** in the circle?

☐ A 1

☐ B 2

☐ C 4

☐ D 4

9. How many  are **not** in the circle?

☐ A 1

☐ B 2

☐ C 3

☐ D 4

10. How many  are there in all?

☐ A 3

☐ B 5

☐ C 7

☐ D 9

11. How many  are there in all?

☐ A 4

☐ B 5

☐ C 8

☐ D 9

Answer Key

Shapes and Patterns

Page 6-13

Review that directions have been followed.

Page 14

Triangle: sign, flag, stamp

Circle: clock, coin

Page 15

square: picture frame, stamp

Diamond: kite, clock

Page 16-22

Review that directions have been followed.

Page 23

1. square
2. triangle
3. hexagon
4. circle
5. star

Page 24

- | | |
|------------|--------------|
| 1. circle | 2. oval |
| 3. star | 4. triangle |
| 5. hexagon | 6. rectangle |

Page 25

- | | |
|--------------|-------------|
| 1. rectangle | 2. triangle |
| 3. circle | 4. pentagon |
| 5. hexagon | |

Page 26-37

Review that directions have been followed.

Page 38

- | | |
|-------------|--------------|
| 1. oval | 2. rectangle |
| 3. square | 4. star |
| 5. triangle | |

Page 39

- | | |
|-------------|-----------|
| 1. star | 2. oval |
| 3. diamond | 4. circle |
| 5. triangle | |

Page 40

- | | |
|-----------|-----------|
| 1. circle | 2. oval |
| 3. square | 4. square |

Page 41

- | | |
|-------------------|--------------------|
| 1. red triangle | 2. green rectangle |
| 3. orange diamond | 4. green oval |

Page 42

- | | |
|---------------------|----------|
| 1. banana | 2. apple |
| 3. watermelon slice | 4. lemon |

Page 43

- | | |
|---------------------|---------------|
| 1. cherries | 2. banana |
| 3. watermelon slice | 4. kiwi fruit |

Page 44-47

Review that directions have been followed.

Page 48

- | | |
|----------------|-----------------|
| 1. pink orchid | 2. yellow daisy |
| 3. red rose | 4. bluebell |

Page 49

- | | | |
|------|------|------|
| 1. a | 2. b | 3. b |
|------|------|------|

Page 50

- | | | |
|------|------|------|
| 1. b | 2. a | 3. a |
|------|------|------|

Page 51-52

Review that directions have been followed.

Page 53

- | | | |
|---------|---------|---------|
| 1. A, B | 2. A, B | 3. B, C |
| 4. AB | 5. ABC | |

Page 54-57

Review that directions have been followed.

Page 58

c

Page 59

b

Page 60-63

- | | | | |
|------|------|------|------|
| 1. D | 2. A | 3. B | 4. A |
| 5. D | 6. A | 7. A | 8. C |



Solving problems using pictures

Page 65

3 ants, 5 flies, 4 bees, 2 butterflies,

1 ladybug, 2 grasshoppers

1. 7 2. 6 3. 6

4. 4

Page 66

1. 1 2. 4 3. 5

4. 3 5. 10 6. 2

7. 9 8. 7 9. 3

10. 10 11. 8 12. 6

Page 67

3 planes, 4 trucks, 5 vans, 5 cars,

2 helicopters, 1 bicycle

1. 8 2. 7 3. 6

4. 7

Page 68-72

Review that directions have been followed.

Page 73-76

1. B 2. D 3. D

4. C 5. B 6. A

7. B 8. B 9. A

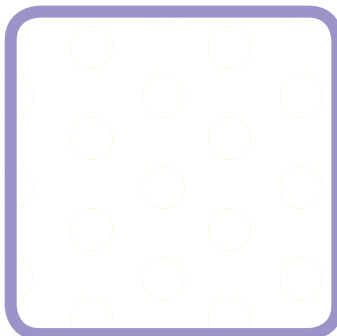
10. B 11. B





**Learning
Express**

Congratulations!



Paste a photo or draw a
picture of yourself.

I, _____

am a Scholastic Superstar!

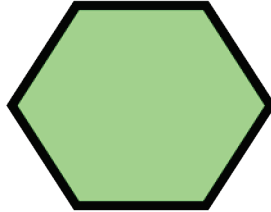
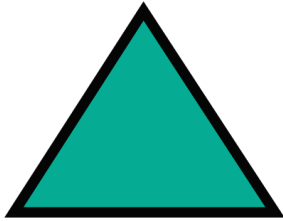
I have completed Shapes and Patterns K2.



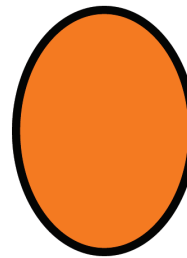
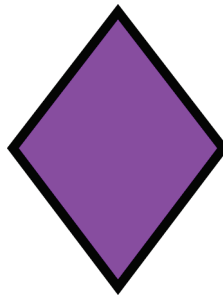
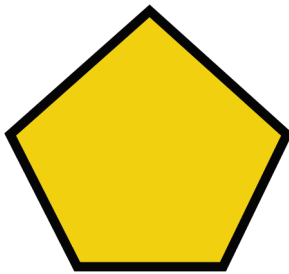
Presented on _____



For page 29



For page 30



For page 44



For page 46



For page 51



For page 52

