



 <https://www.thethinkacademy.com/>

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Think Academy US ONLINE

Pre-K & Lower Elementary Math Program

Think Academy Pre-K and Lower Elementary Math Program is designed for ages **3–8**, offering a structured, year-round learning path based on North American standards. It builds **seven core abilities**—calculation, logic, spatial sense, measurement and data, creativity, expression, and critical thinking—to form a solid foundation for future STEM success.

The long-term program includes Honors and Challenge tracks tailored to each child's math level. **Both follow the same framework** to strengthen **thinking skills** from PreK–G2. The Challenge track **adds competition training** for a smooth transition to upper-elementary math contests.

PreK: The Pre-K course has no level divisions. Before entering Kindergarten, students take placement assessments; combined with classroom performance and learning goals, this determines the most suitable course level.

Honors: Focuses on developing seven core abilities, fostering interest and confidence in math, and building potential for advanced study and future competitions.

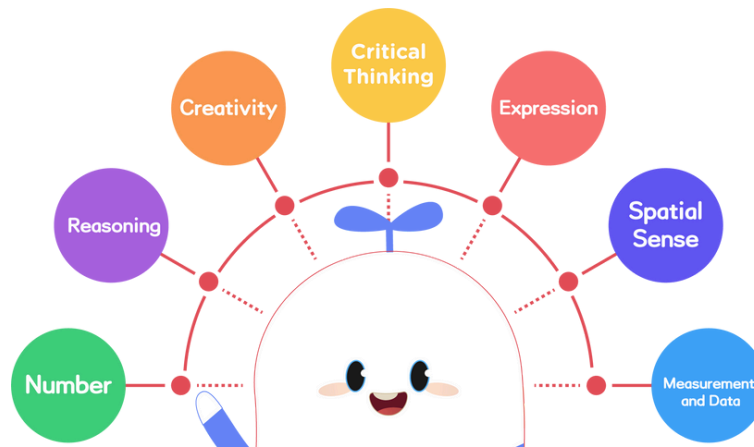
Challenge: Builds on the Honors curriculum with competition-focused enrichment aligned to the Math Kangaroo, encouraging children to explore and achieve in math contests from an early age.

幼小阶段学习规划				
班级	Pre-K	K	G1	G2
Honors 超前一年，稳固全A，直通顶班	Pre-K Think Ability	K Honors	G1 Honors	G2 Honors
Challenge 竞赛启蒙，加速两年，AP满贯		K Challenge	G1 Challenge	G2 Challenge
Competition 竞赛奠基，名师指导，晋级奥数				G2 Pre-ACE

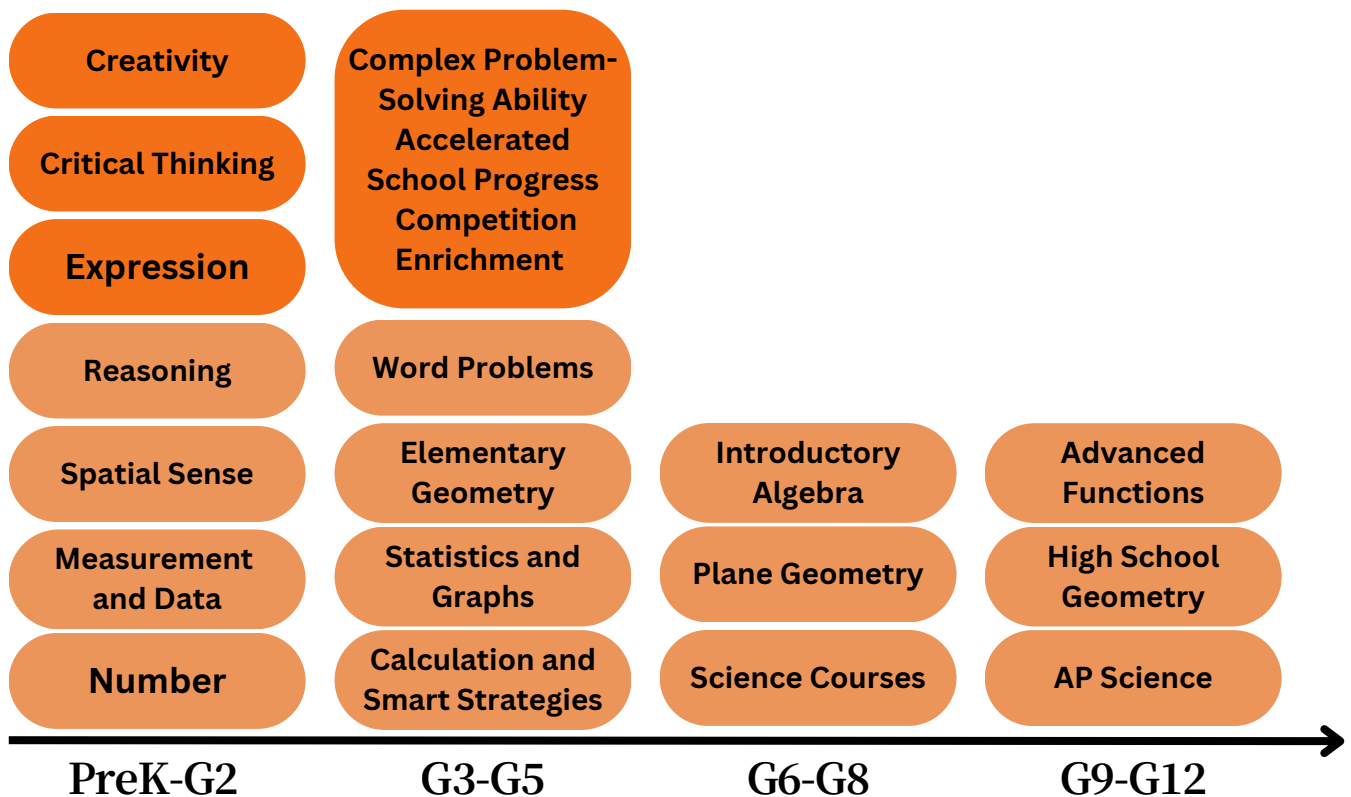
What Are the Seven Core Abilities?

3 Comprehensive Output Skills – Apply What You Learn

4 Core Math Skills – Spark Interest in Learning



- Ages **3–8** are the key period for developing children' s thinking skills
- Through **scenario-based learning**, we protect curiosity
- Enhance the **joy of exploration**, and help children build and strengthen their **thinking frameworks**
- Cultivating **active thinking** and lifelong learning ability



Course Highlights

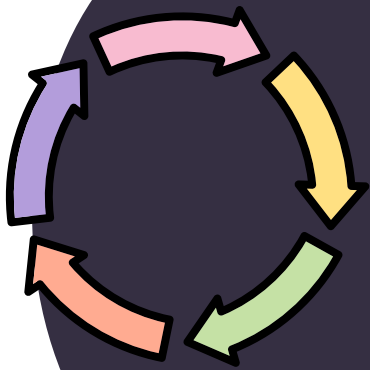
Clear Structure, Worry-Free for Parents

Personalized Learning Plans with Full Progress Tracking

- **Before Enrollment:** Teachers create **personalized study plans** based on each student's goals and ability
- **During Learning:** Teachers give **regular feedback and targeted advice**, helping parents track progress
- **Mid-Term & Final Evaluations:** **Parent meetings** and updated study plans ensure steady improvement



Weekly Learning Cycle to Ensure Steady Progress



- **Pre-Class Preparation:** **15-minute preview** to review key concepts and prepare for new lessons
- **Homework:** **Assigned after each class**, with teacher feedback shared with parents
- **Office Hour:** **Free live sessions** to review and clarify difficult problems
- **Homework Review Videos:** Each homework question includes a **detailed video explanation** for easy review

Year-Round Learning Support

- **Year-round Parent App service** providing fast responses
- Through the Parent App, parents get **direct contact with teachers** for efficient communication and real-time progress updates
- Instant online homework help for **timely learning support**

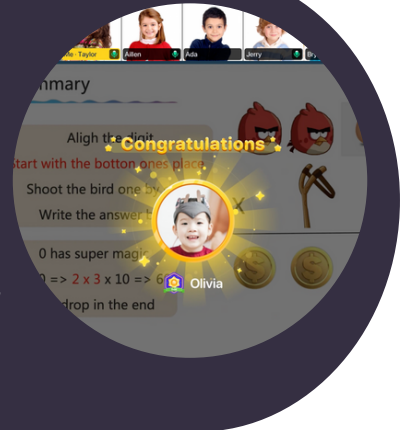


Course Highlights

Happy Learning, Better Results

Thoughtfully Crafted Lessons Inspire a Love for Math

- **Interactive games and scenario-based teaching** make math fun and engaging
- **Gold coin reward system** lets students exchange coins for prizes, motivating them to complete learning tasks actively



Self-Developed Learning App Enhances Every Online Class

- **Think Academy learning app** enhances in-class interaction with hand-raising, polls, and group activities —**keeping students engaged every three minutes**
- Teachers **track progress in real time** for an effective learning experience



A Sense of Achievement Builds Intrinsic Motivation

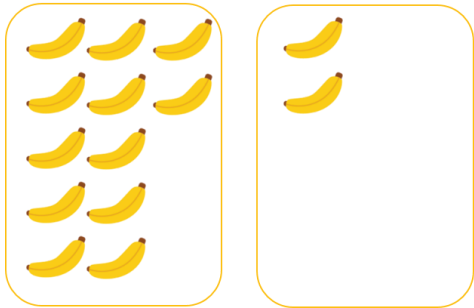
- Students learn efficiently in class and get **full after-class support** with detailed homework videos and free weekly Office Hours.
- Students **gain higher grades, faster progress**. They are naturally motivated to put more effort in STEM learning and become **confident math learners**



Day 1

1 Calculate:

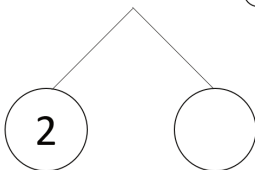
$$12 + 2 =$$



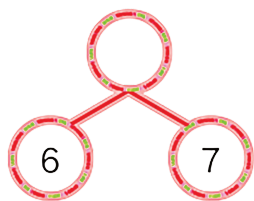
2 ? = _____

$$8 + 5 =$$

?



3



A. 11

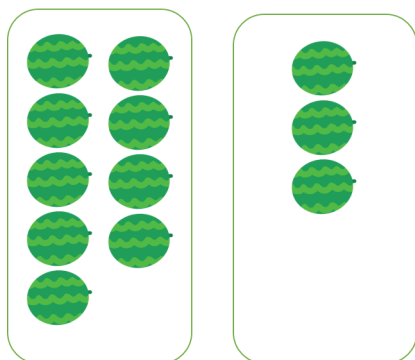
B. 12

C. 13

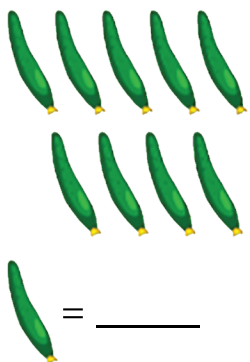
4

Calculate:

$$9 + 3 =$$



5



+



= _____

6 Calculate:

$11 + 9 = \underline{\hspace{2cm}}$

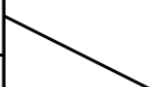
$12 + 8 = \underline{\hspace{2cm}}$

$3 + 17 = \underline{\hspace{2cm}}$

7 Match expressions with the same answers.

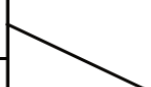
(1)

9+7	10+2
8+5	8+8
7+8	6+7
6+6	9+6

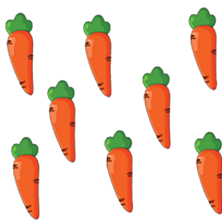
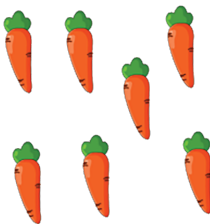


(2)

2+8+5	8+8+1
9+1+6	6+6+6
7+3+8	4+5+7
6+4+7	7+7+1



- 8 Sam the Rabbit has 7 carrots, and Sally the Rabbit has 8 carrots. How many carrots do they have in total?



A. 18

B. 17

C. 16

D. 15

- 9 Joann has 8 bars of chocolate, and Nancy gives Joann 7 bars of chocolate. Joann has _____ bars of chocolate now.



- 10 Harry is 6 years old. His sister Emma is 7 years older than him. What is the sum of their ages?

A. 12

B. 13

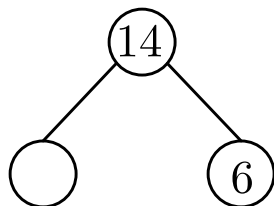
C. 14

D. 19

E. 20

Day 2

- 11 Fill in the circle.



A. 10

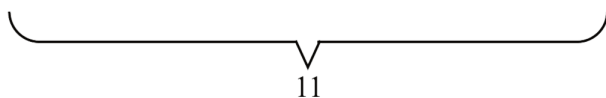
B. 9

C. 8

12



?

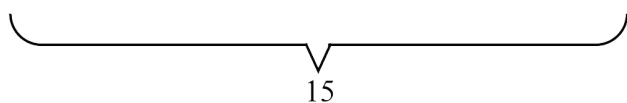


? = _____

13



?



? = _____

14

Calculate:

(1) $12 - 7 =$

(2) $18 - 9 =$

(3) $11 - 8 =$

(4) $16 - 7 =$

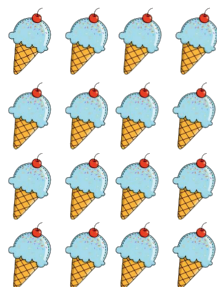
(5) $13 - 6 =$

(6) $7 + 5 =$

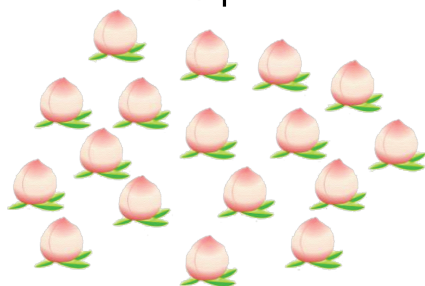
(7) $15 - 7 =$

(8) $17 - 8 =$

- 15 There are 15 ice-cream cones in a shop. After selling 8 cones, there are _____ cones left in the store.



- 16 Mom has 17 peaches and gives 9 to her son. Mom has _____ peaches left now.



- 17 Calculate:

(1) $3 + 6 =$

(2) $8 - 7 =$

(3) $13 - 3 =$

(4) $3 + 8 =$

(5) $9 + 2 =$

(6) $4 + 3 =$

(7) $7 - 7 =$

(8) $9 - 6 =$

(9) $8 + 6 =$

(10) $10 - 5 =$

(11) $5 + 6 =$

(12) $15 - 5 =$

(13) $8 + 7 =$

(14) $16 - 6 =$

(15) $7 + 4 =$

(16) $5 + 8 =$

(17) $18 - 10 =$

(18) $7 + 6 =$

(19) $9 - 0 =$

(20) $10 - 6 =$

(21) $12 - 2 + 9 =$

(22) $5 + 5 + 5 =$

(23) $7 + 8 - 5 =$

(24) $9 + 4 - 10 =$

(25) $7 - 3 + 9 =$

(26) $8 + 2 - 6 =$

Day 3

18 Find the pattern and fill the correct shapes in the blanks.

(1)       _____ .

(2)          _____ .

19 Observe the pattern and color the blank lamps.



20



21



22

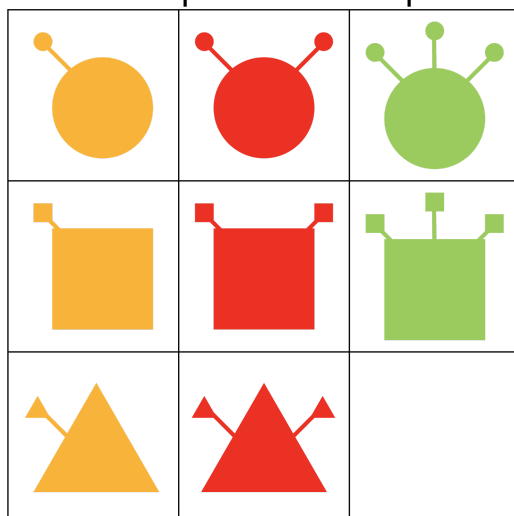


(2)

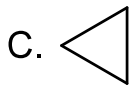
23 What fruits should be put in the last row of last picture?



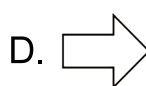
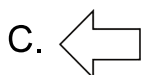
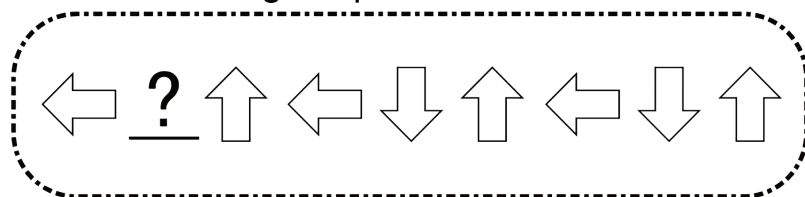
24 Which shape should be put in the blank square? Circle it!



25 Find the missing shape.



26 Find the missing shape.



Day 4

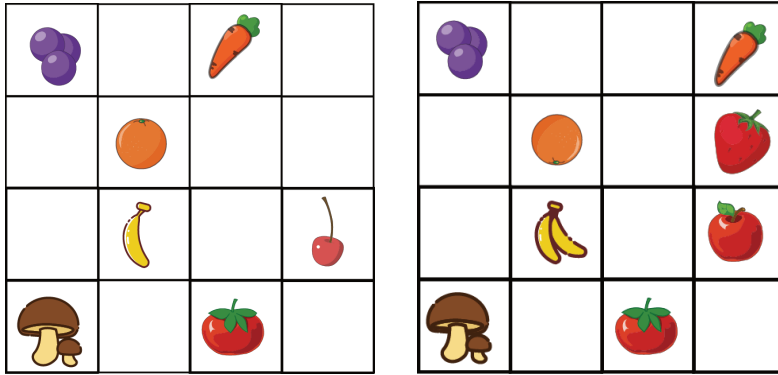
- 27 Monkeys form a circle in a certain pattern. One monkey stands in a wrong position. Can you find and circle it?



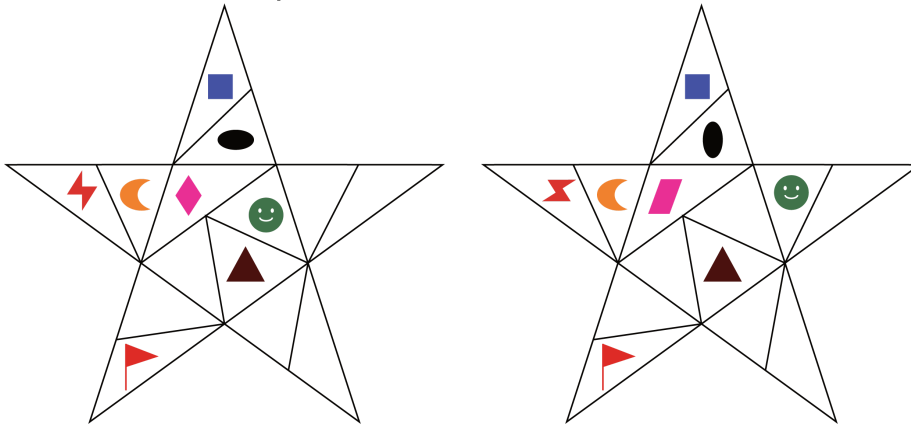
- 28 Observe the two pictures and find the differences. Circle them in the right picture.



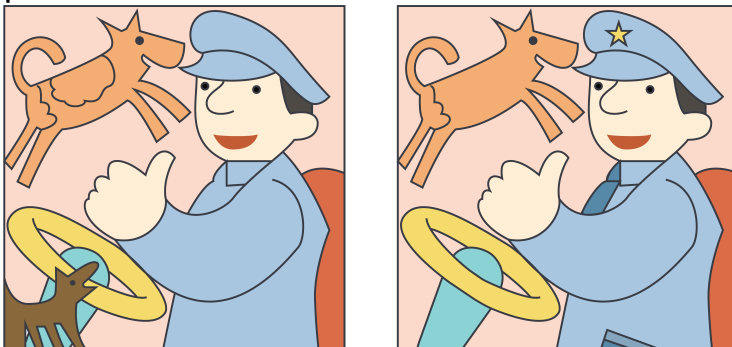
29 Observe the two pictures and find the differences. Circle them in the right picture.



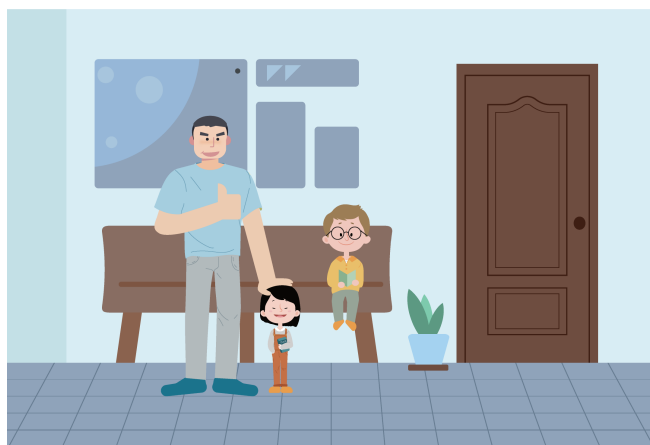
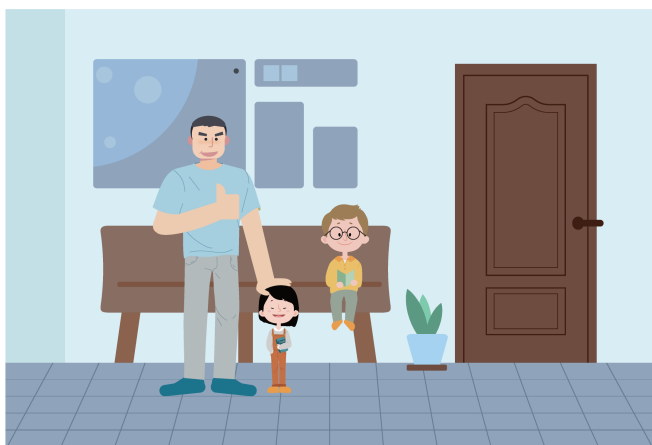
30 Observe the two pictures and find the differences. Circle them in the right picture.



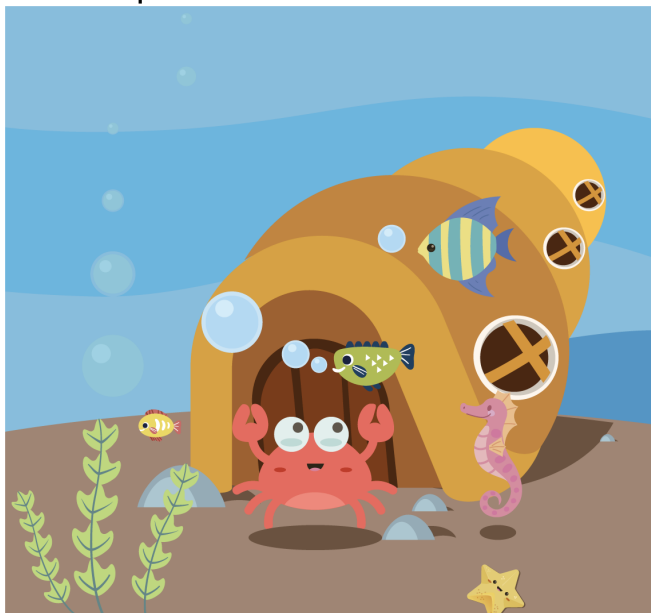
31 There are 5 differences between the two pictures. Find and circle them in the right picture.



- 32 There are 2 differences between the two pictures. Find and circle them in the right picture.

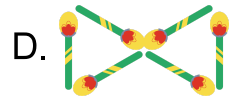
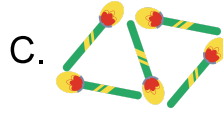
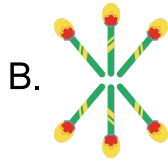
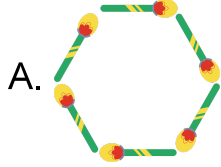


- 33 There are 6 differences between the two pictures. Find and circle them in the second picture.

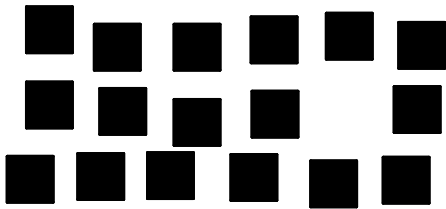


Day 5

34 Little fox uses 6 sticks to form a shape. Which picture cannot be that shape?



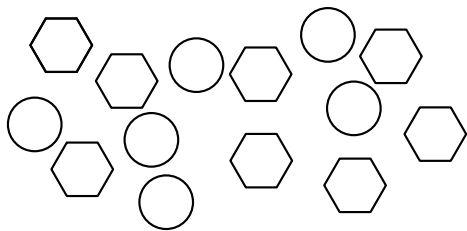
35 How many squares are there?



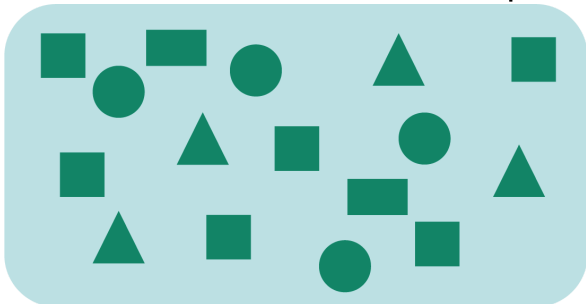
36 There are _____ squares below.



37 How many circles are there?



38 Count the number of each shape.

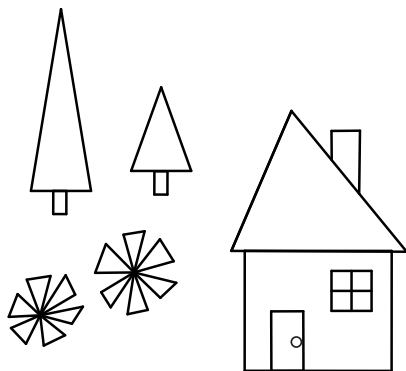








39 There _____ triangles below.



A. 2

B. 3

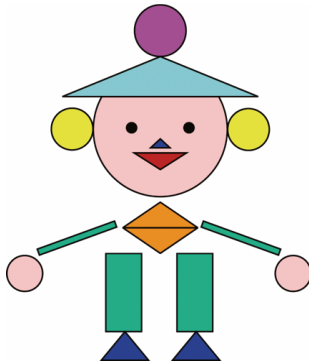
C. 14

D. 15

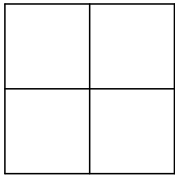
E. 16

40 Count! How many rectangles, triangles, and circles are there?

Shape	Number
Rectangles	
Triangles	
Whole Circles	



41 Count the number of squares in the picture.



A. 4

B. 5

C. 6

D. 7

E. 8

Day 6

42



(1) Which is the leftmost animal?



(2) Describe the position of .

A. Leftmost

B. Rightmost

C. Above

D. Under

43

Fill in the blanks.



(1) If is the first fruit, then is the _____ fruit, and is the _____ .

(2) If is the first fruit, then is the _____ fruit, and is the _____ .

44 Fill in the blanks.



(1) There are _____ animals in total.

(2) If  is the first one, then  is the _____ animal, and  is the _____ animal.

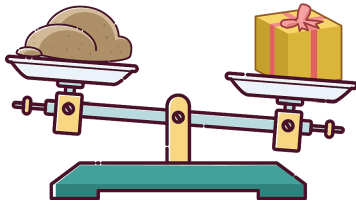
(3) There are _____ animals to the left of , and _____ animals to the right of .

45 Which set of cookies should be put in the box on the left?



- A.        B.     
- C.    D.   

46 Which one is heavier?

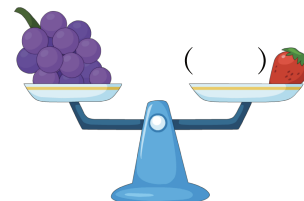
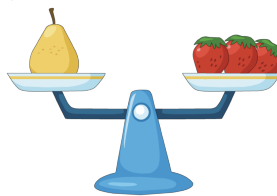
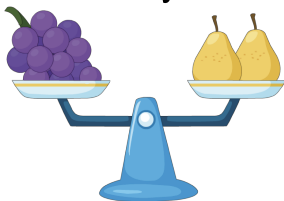


C. same weight

47 Which fruit is the lightest?

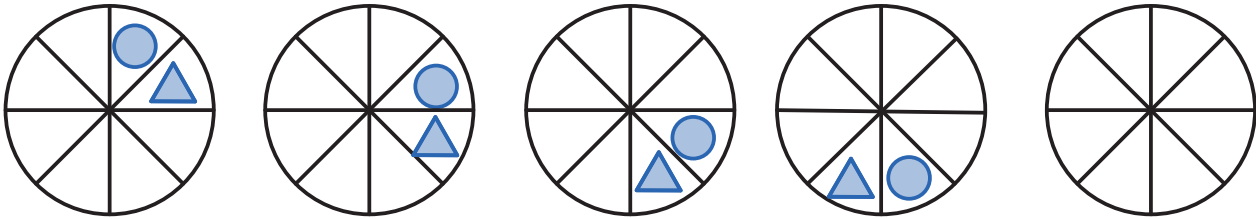


48 How many strawberries weigh the same as the grapes?

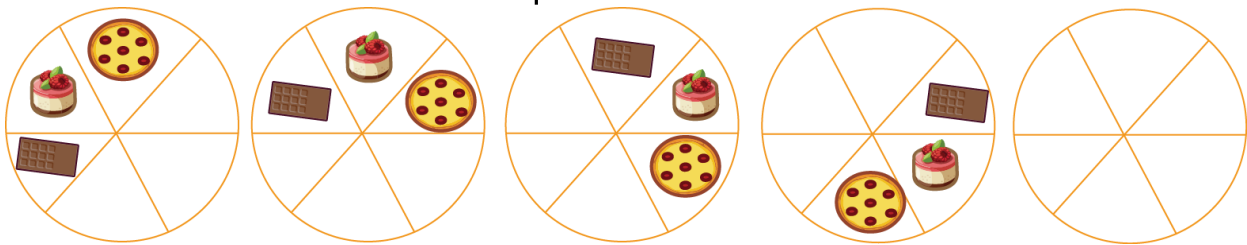


Day 7

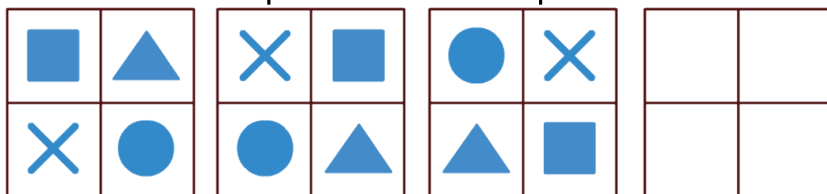
49 How do the shapes move? Complete the last one!



50 How do the snacks move? Complete the last one!



51 How do the shapes move? Complete the last one!



52

Find all the differences between the two pictures and circle them in the right picture.



53

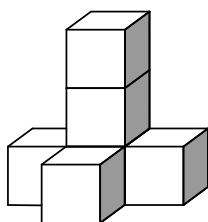
Find all the differences between the two pictures and circle them in the right picture.



54 There are _____ cubes below.



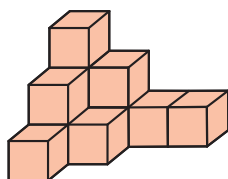
55 How many cubes are there in the figure below?



56 There are _____ cubes.

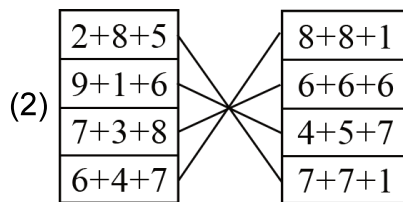
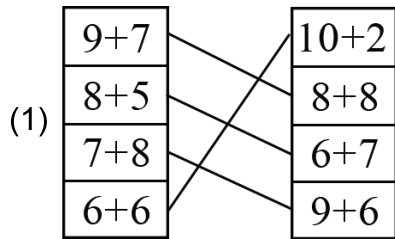


57 There are _____ cubes.



Day 1

1. 14
2. 13
3. C
4. 12
5. 13
6. 20 ; 20 ; 20
- 7.



8. D
9. 15
10. D

Day 2

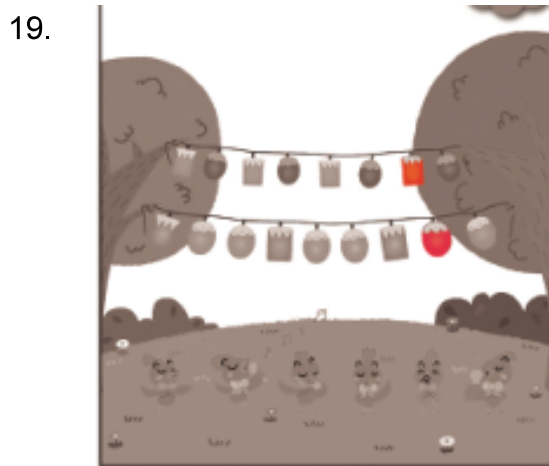
11. C
12. 5
13. 9
14. (1) 5
(2) 9
(3) 3
(4) 9
(5) 7
(6) 12 .
(7) 8
(8) 9
15. 7
16. 8

17. (1) 9
(2) 1
(3) 10
(4) 11
(5) 11
(6) 7
(7) 0
(8) 3
(9) 14
(10) 5 .
(11) 11 .
(12) 10 .
(13) 15
(14) 10
(15) 11
(16) 13
(17) 8
(18) 13
(19) 9
(20) 4
(21) 19
(22) 15
(23) 10
(24) 3
(25) 13
(26) 4

Day 3

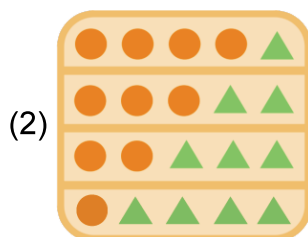
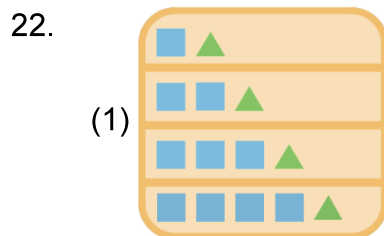
18. (1) 

(2) 



20. C

21. A



23. C



25. D

26. A

Day 4

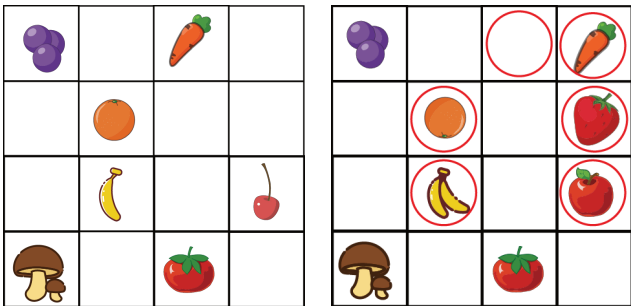
27.



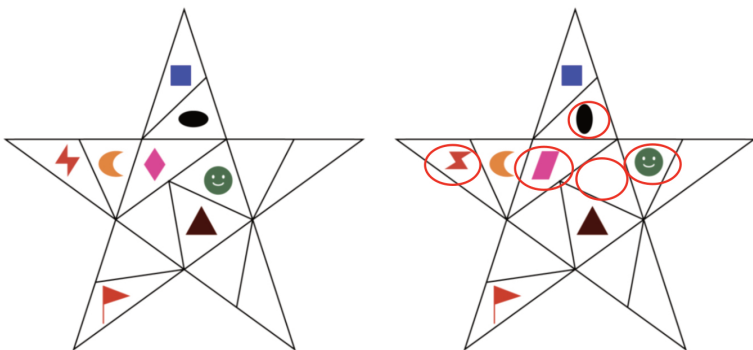
28.

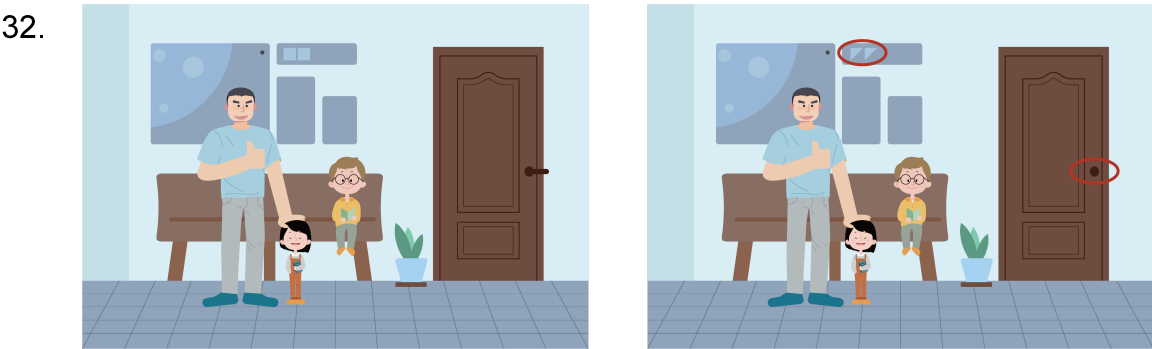
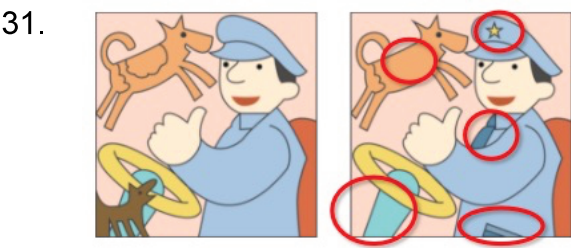


29.



30.





Day 5

34. C
35. 17
36. 5
37. 6
38. 4 ; 4 ; 6 ; 2
39. D

40.

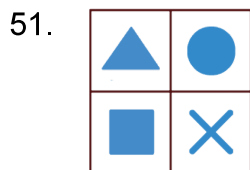
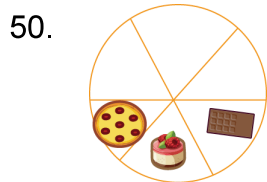
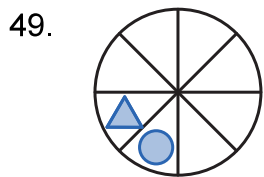
Shape	Number
Rectangles	4
Triangles	7
Whole Circles	7

41. B

Day 6

42. (1) A
(2) A
43. (1) second ; fourth
(2) fourth ; second
44. (1) 7
(2) third ; seventh
(3) 3 ; 3
45. B
46. A
47. C
48. 6

Day 7



53.



54. 9

55. 6

56. 17

57. 11





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