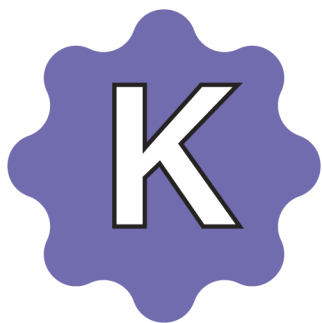
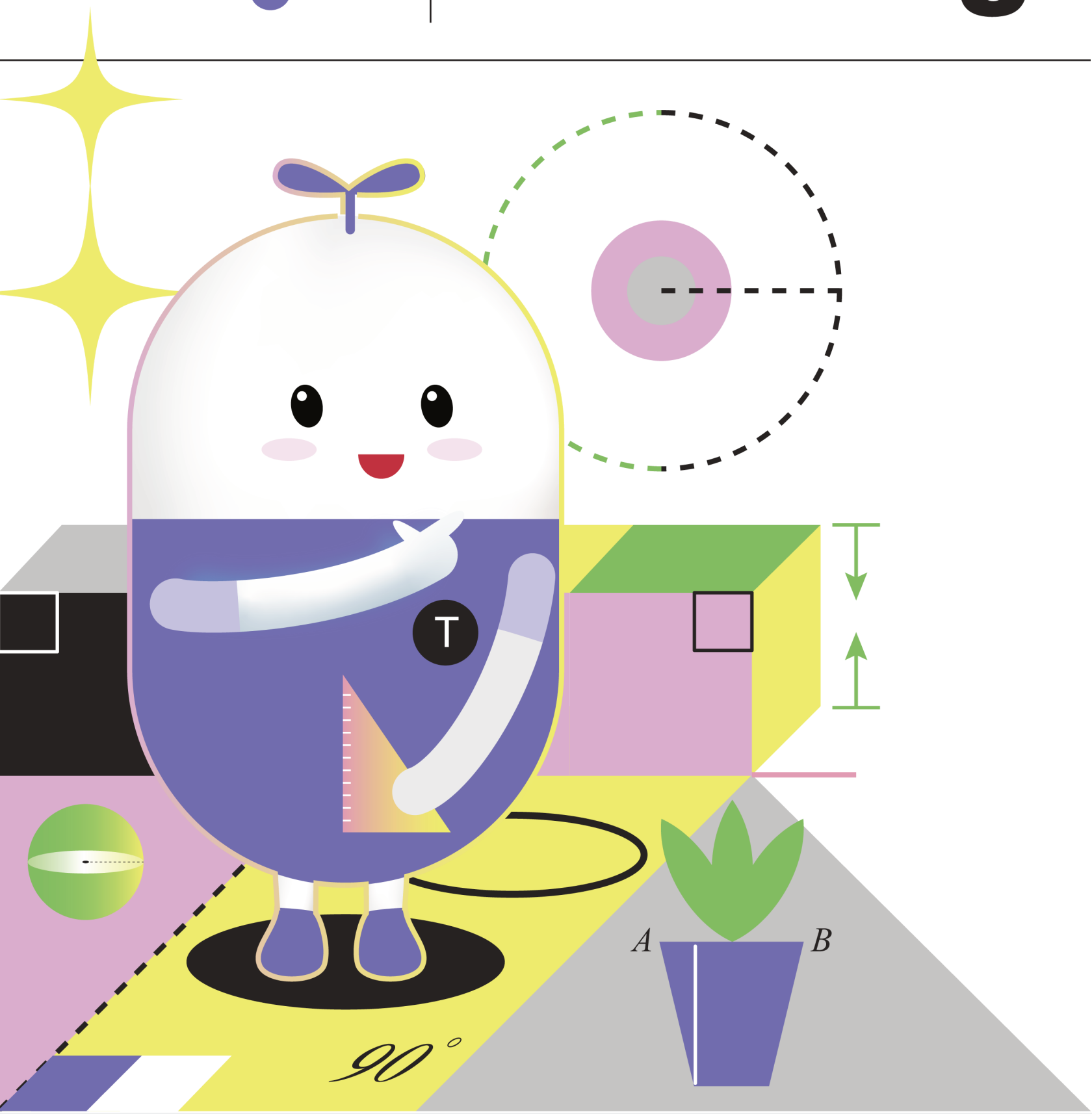




Keep → Thinking





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

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学而思美国ONLINE

学前&小低数学课程体系

Think Academy 学前和小学低年级长期班体系专为 **3-8岁** 的小朋友打造，提供专业、系统且全面的全年数学课程。课程依据北美学生的学习特点与需求，通过培养孩子的**七大能力**：运算能力，逻辑推理能力，空间想象能力，测量与数据能力，创造力，表达力，和思辨力，帮助孩子在未来的理科学习中持续领先。

学前长期班根据学生的数学基础划分为Honors和Challenge体系，确保不同水平的学生都能找到适合的学习路径。**两个体系的大纲相同**，保障孩子们在小学低年级的阶段（PreK-G2）获得**足够的思维能力锻炼**，为小学高年级以后加快数学进度打好基础。此外Challenge在Honors班的基础上**增加了少量的竞赛拓展**，帮助孩子们顺利衔接小学高年级的奥数体系。

PreK：PreK的思维能力课不分班，孩子在进入K年级前有分班考试，结合孩子的上课表现与学习目标进入不同难度的课程。

Honors体系：专注培养孩子的七大能力，培养孩子对数学的兴趣与热爱，并具备超前学习和学习竞赛的潜力。

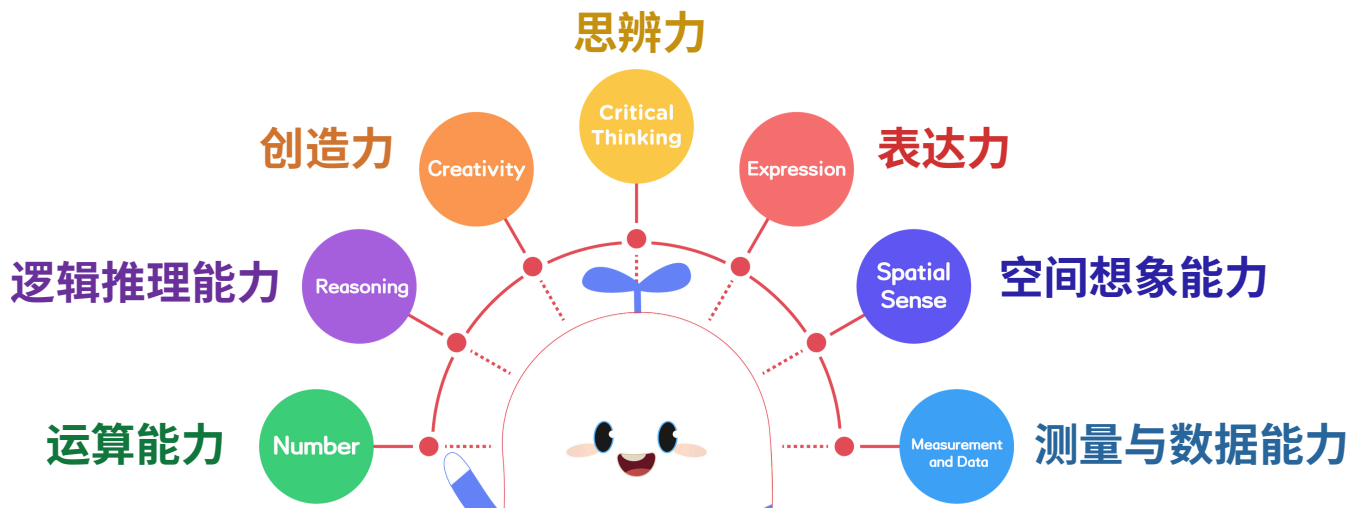
Challenge体系：Challenge课程在Honors课程的基础之上增加了竞赛拓展，对标Math Kangaroo的考纲，帮助孩子从小挑战数学竞赛的奖项。

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

什么是七大能力？

3大综合输出能力——学以致用

4大核心数学能力——激发兴趣



- 3-8岁是儿童思维发展关键期，
- 通过情景学习保护儿童好奇心，
- 在解决问题中提升孩子的探究乐趣、搭建和锻炼孩子的思维框架，
- 培养主动思维，养成儿童面向未来的学习能力。

创造力	复杂解题能力 加快校内进度 学习竞赛拓展		
思辨力			
表达力			
逻辑推理	应用题		
空间想象	小学几何	代数初步	高等函数
数据处理	统计与图表	平面几何	高中几何
运算能力	计算与巧算	科学课程	AP理科
PreK-G2	G3-G5	G6-G8	G9-G12

课程亮点

家长省心，规划清晰

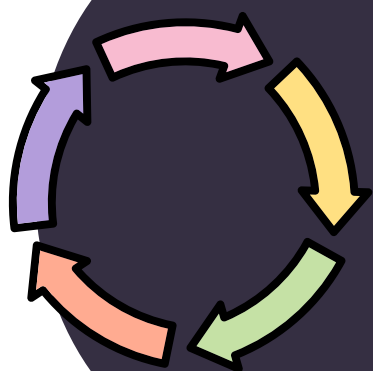
授课老师为孩子定制学习规划， 全程跟踪学习进度

- 报名课程：学习规划老师针对孩子的学习能力与目标，**制定个性化学习方案**。
- 上课期间：每月和家长**反馈孩子的学习情况**，提供有针对性的学习建议，并**监督落实孩子的提升方案**。
- 期中/期末：每学期组织**家长会**，梳理孩子的学习优势和薄弱环节，并制定新学期的学习规划。



每周学习闭环，保障学习效果

- 课前预习：15分钟**课前预习题**，温故而知新
- 课后作业：每节课**配套作业**题目，老师主动和家长反馈学生的作业完成情况。
- Office Hour：**免费作业讲解直播课**，解答孩子课后不明白的题目与知识点。
- 作业解析：每道作业配套**讲解视频**，随时复习错题



全年学习服务支持

- 专业客服，**全年 364 天 Parent APP 在线支持**，快速响应任何问题
- Parents App**直接和授课老师联系**，沟通更高效，随时掌握孩子的学情表现。
- 在线作业答疑，给孩子**最及时的学习帮助**

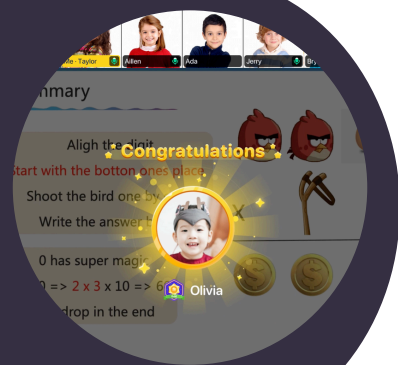


课程亮点

孩子开心，学习更高效

精心打磨课堂设计，让孩子爱上数学

- **互动游戏+情景化教学**，让数学课堂不再枯燥
- **金币激励**，孩子可以用金币兑换实体或虚拟奖品，给孩子更及时的正反馈，让孩子更主动地完成学习任务和目标。



自研上课App，强化线上课程体验

- Think Academy**自主研发的上课App**，给孩子带来更丰富的课上互动，包括举手上台，投票作答，选择填空，集体讨论等互动形式，保障**每3分钟一次互动**的频率，提升孩子的上课投入。
- 老师**实时观察每位孩子**的上课情况，保障孩子的学习体验与效果。



成就感带来底层学习动力

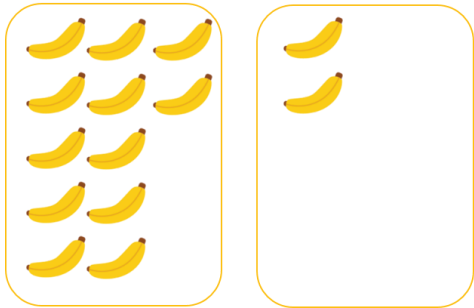
- 不仅课上学习高效，课后也有**完善的辅导答疑服务**。课后作业有视频解析，每周还有免费office hour解答孩子的问题，保障每节课都能学懂。
- 孩子在校内达到**成绩和进度双领先**。更愿意投入时间和精力在理科学习上，增强孩子的学习动力，自推成为**理科学霸**。



Day 1

1 Calculate:

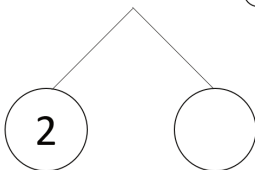
$$12 + 2 =$$



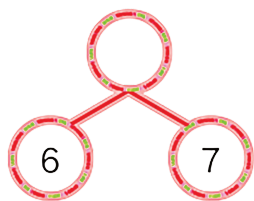
2 ? = _____

$$8 + 5 =$$

?



3



A. 11

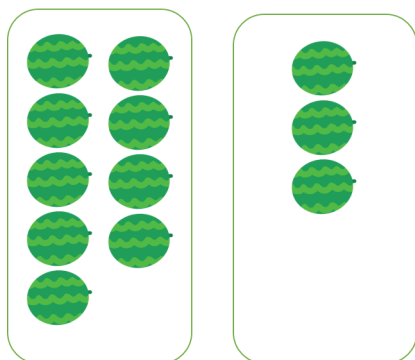
B. 12

C. 13

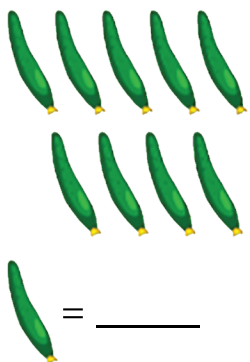
4

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)

$9+7$
$8+5$
$7+8$
$6+6$

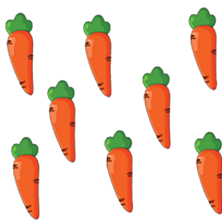
$10+2$
$8+8$
$6+7$
$9+6$

(2)

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

$8+8+1$
$6+6+6$
$4+5+7$
$7+7+1$

- 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

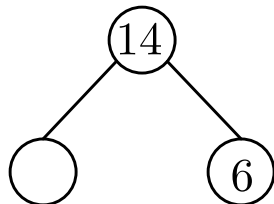
C. 14

D. 19

E. 20

Day 2

- 11 Fill in the circle.



A. 10

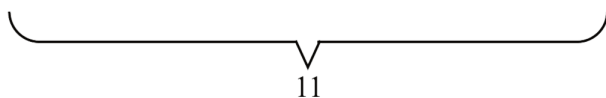
B. 9

C. 8

12



?

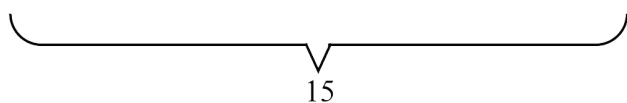


? = _____

13



?



? = _____

14

Calculate:

(1) $12 - 7 =$

(2) $18 - 9 =$

(3) $11 - 8 =$

(4) $16 - 7 =$

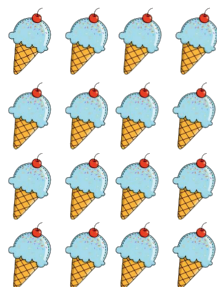
(5) $13 - 6 =$

(6) $7 + 5 =$

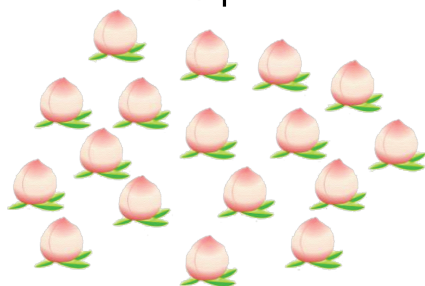
(7) $15 - 7 =$

(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



C.

21



C.

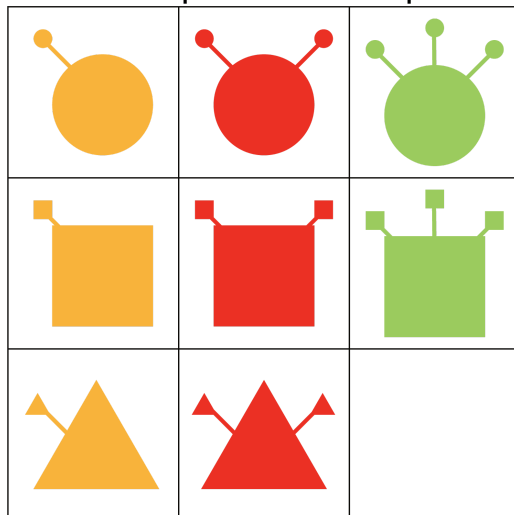
22



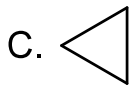
23 What fruits should be put in the last row of last picture?



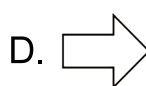
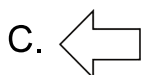
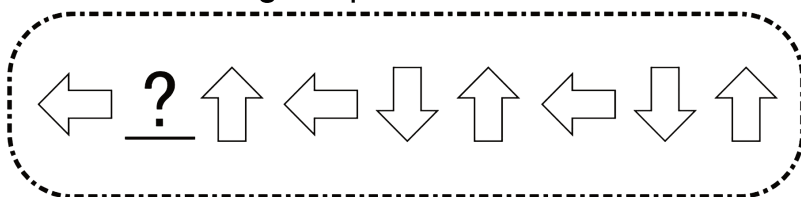
24 Which shape should be put in the blank square? Circle it!



25 Find the missing shape.



26 Find the missing shape.



Day 4

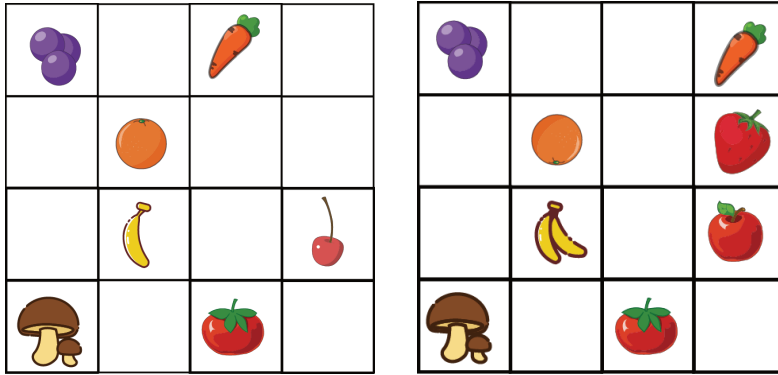
- 27 Monkeys form a circle in a certain pattern. One monkey stands in a wrong position. Can you find and circle it?



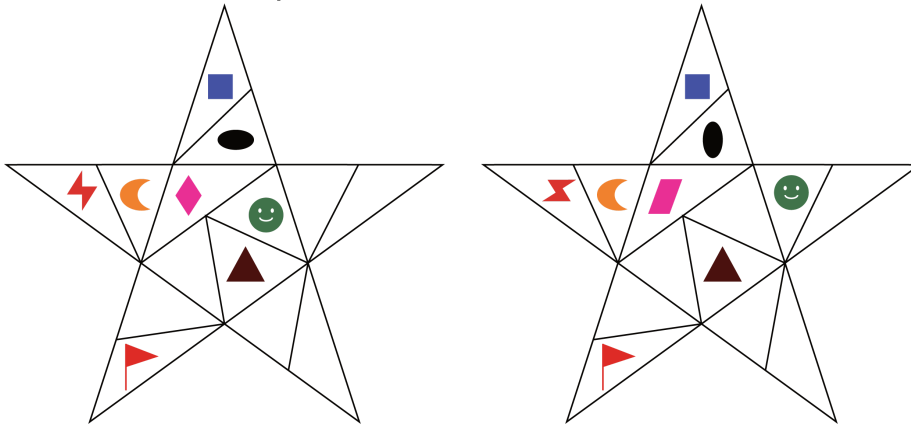
- 28 Observe the two pictures and find the differences. Circle them in the right picture.



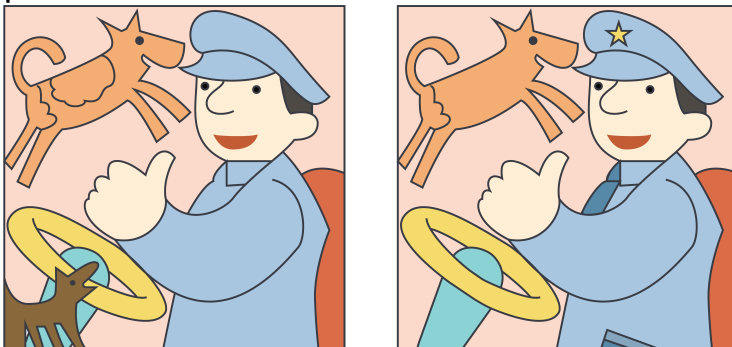
29 Observe the two pictures and find the differences. Circle them in the right picture.



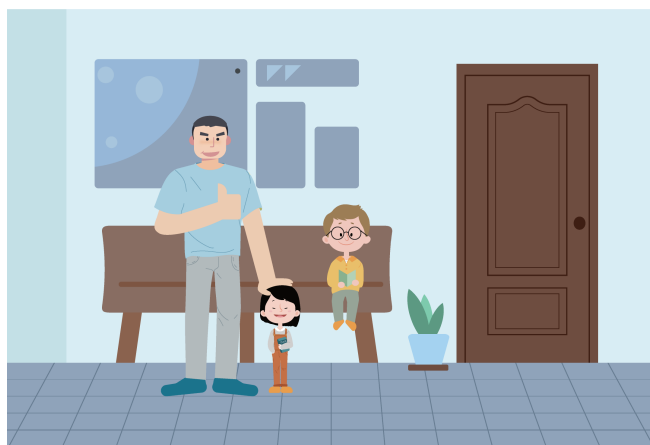
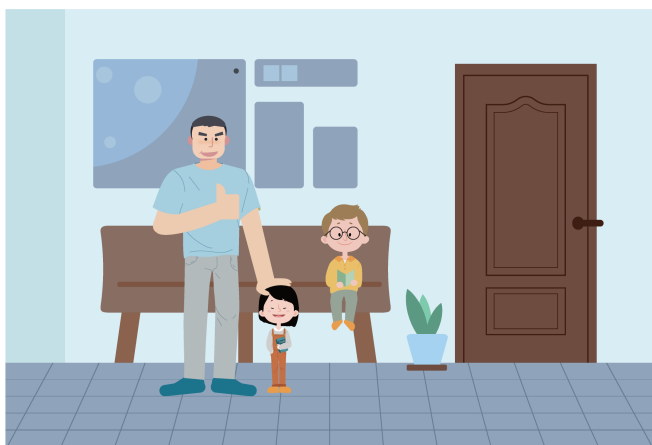
30 Observe the two pictures and find the differences. Circle them in the right picture.



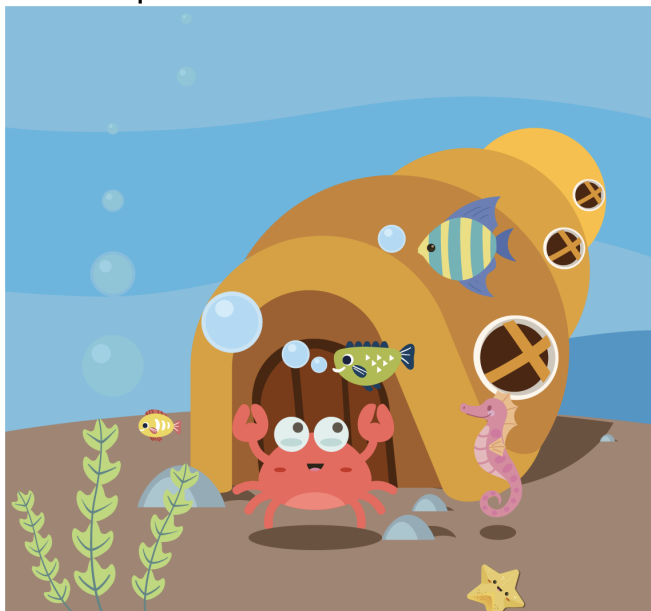
31 There are 5 differences between the two pictures. Find and circle them in the right picture.



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

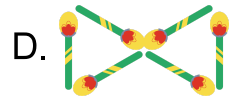
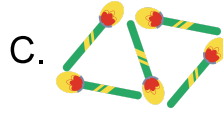
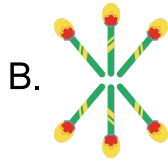
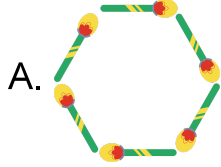


- 33 There are 6 differences between the two pictures. Find and circle them in the second picture.

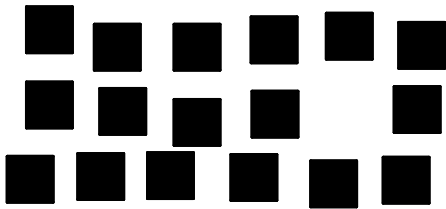


Day 5

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



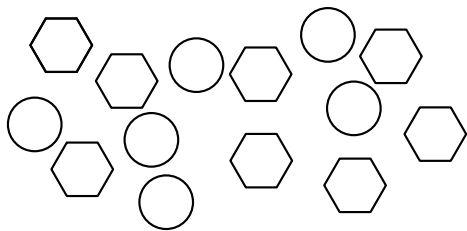
- 35 How many squares are there?



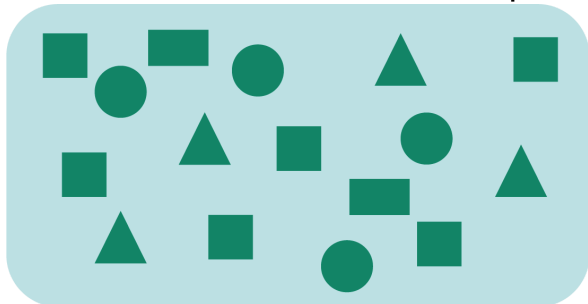
- 36 There are _____ squares below.



37 How many circles are there?



38 Count the number of each shape.

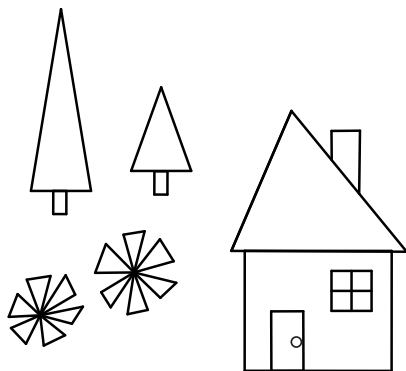








39 There _____ triangles below.



A. 2

B. 3

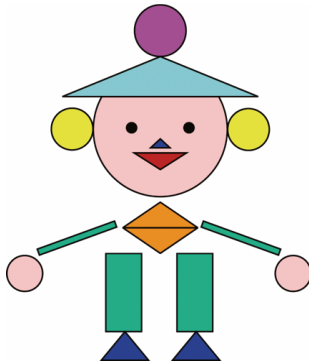
C. 14

D. 15

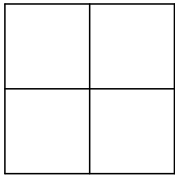
E. 16

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.

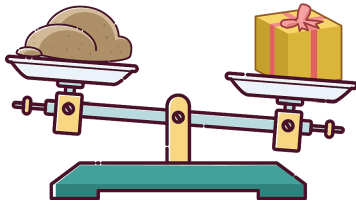
(3) There are _____ animals to the left of , and _____ animals to the right of .

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



- A.        B.     
- C.    D.   

46 Which one is heavier?

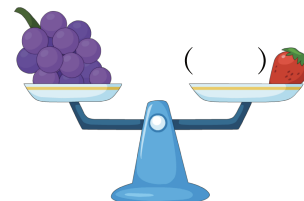
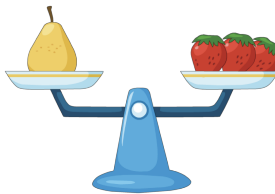
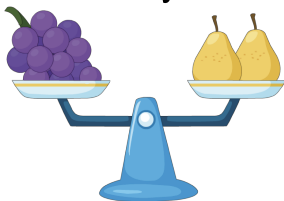


C. same weight

47 Which fruit is the lightest?

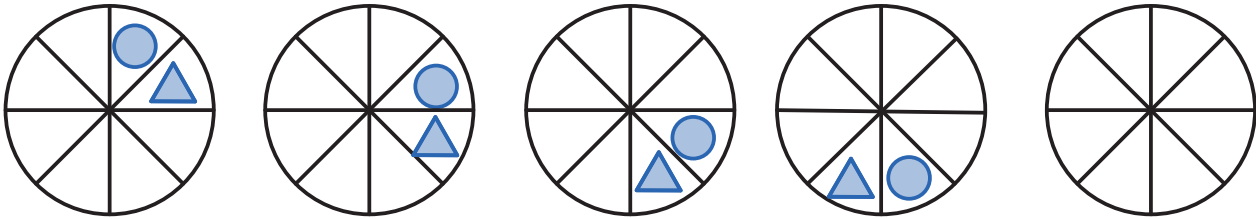


48 How many strawberries weigh the same as the grapes?

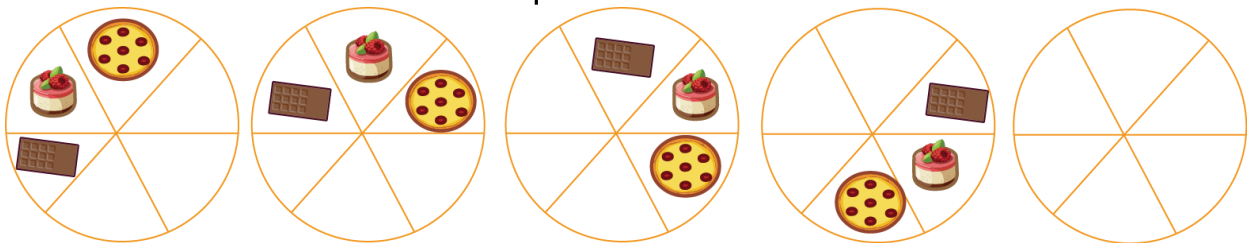


Day 7

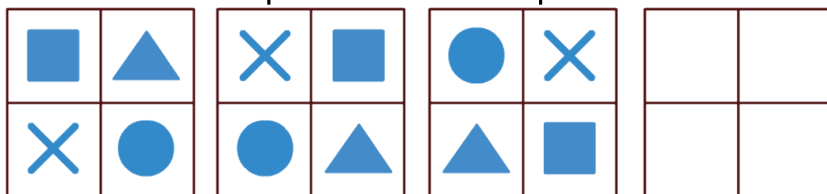
49 How do the shapes move? Complete the last one!



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

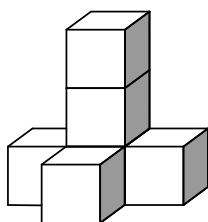
Find all the differences between the two pictures and circle them in the right picture.



54 There are _____ cubes below.



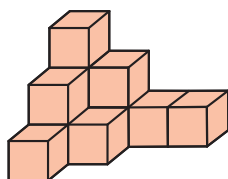
55 How many cubes are there in the figure below?



56 There are _____ cubes.

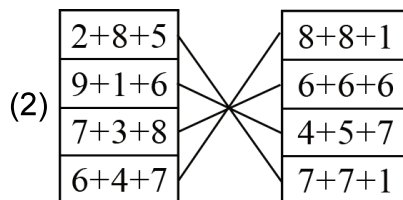
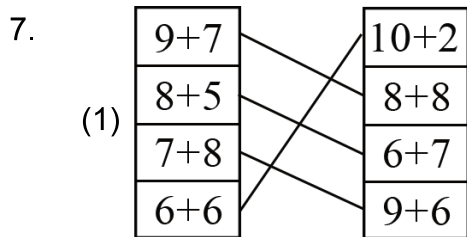


57 There are _____ cubes.



Day 1

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



8. D
9. 15
10. D

Day 2

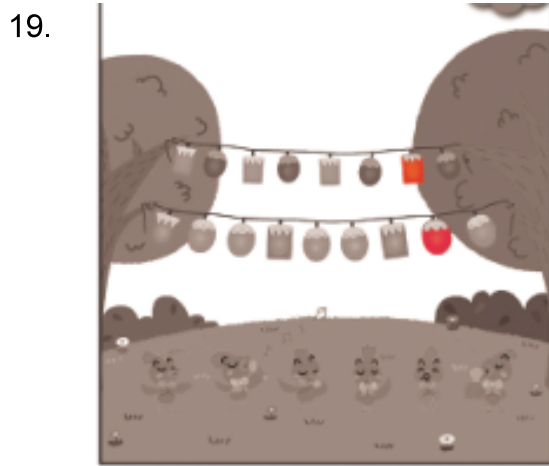
11. C
12. 5
13. 9
14. (1) 5
(2) 9
(3) 3
(4) 9
(5) 7
(6) 12 .
(7) 8
(8) 9
15. 7
16. 8

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

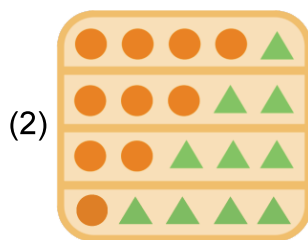
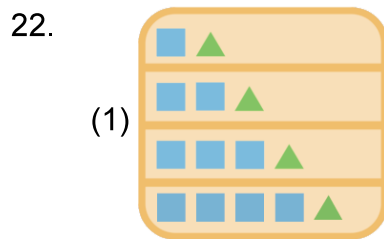
18. (1) 

(2) 



20. C

21. A



23. C



25. D

26. A

Day 4

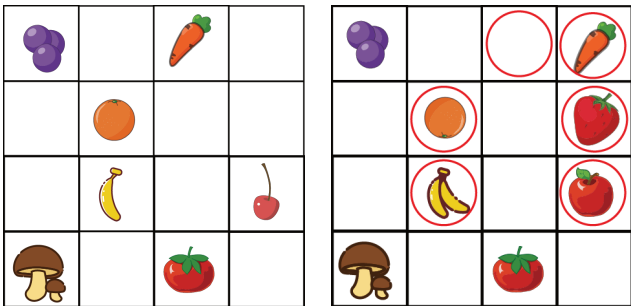
27.



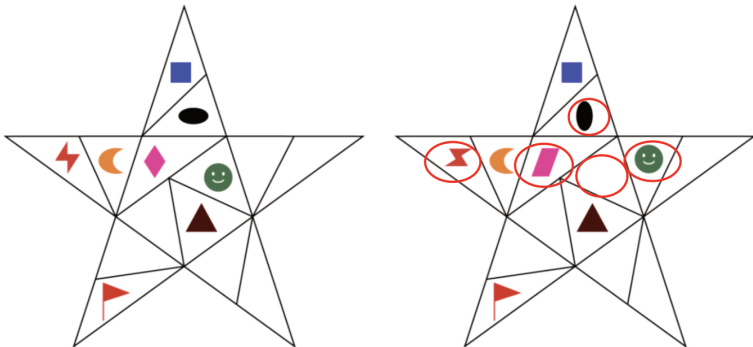
28.

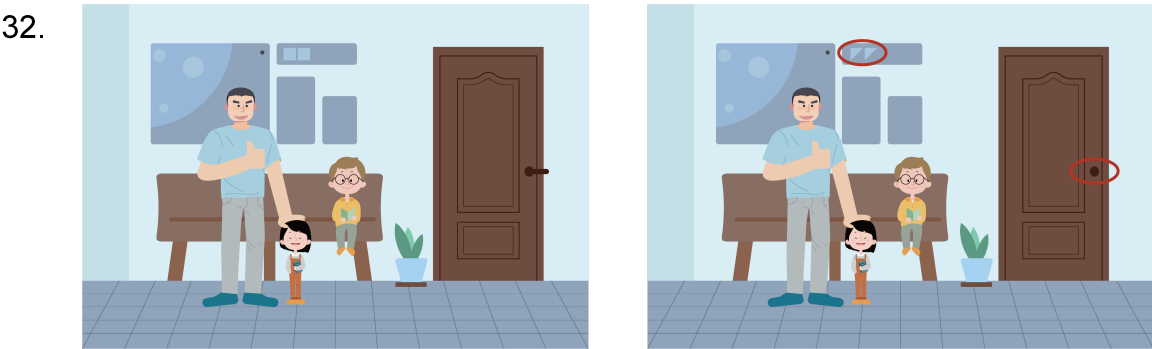
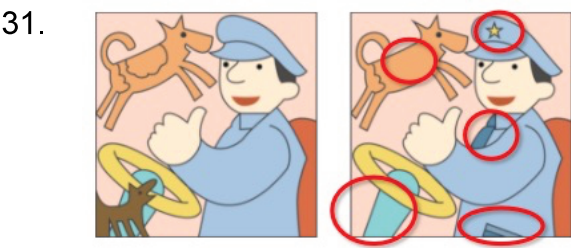


29.



30.





Day 5

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

40.

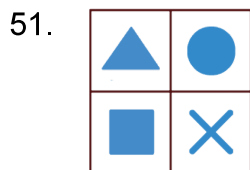
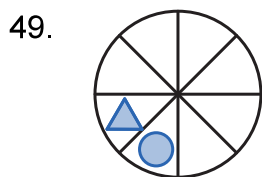
Shape	Number
Rectangles	4
Triangles	7
Whole Circles	7

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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