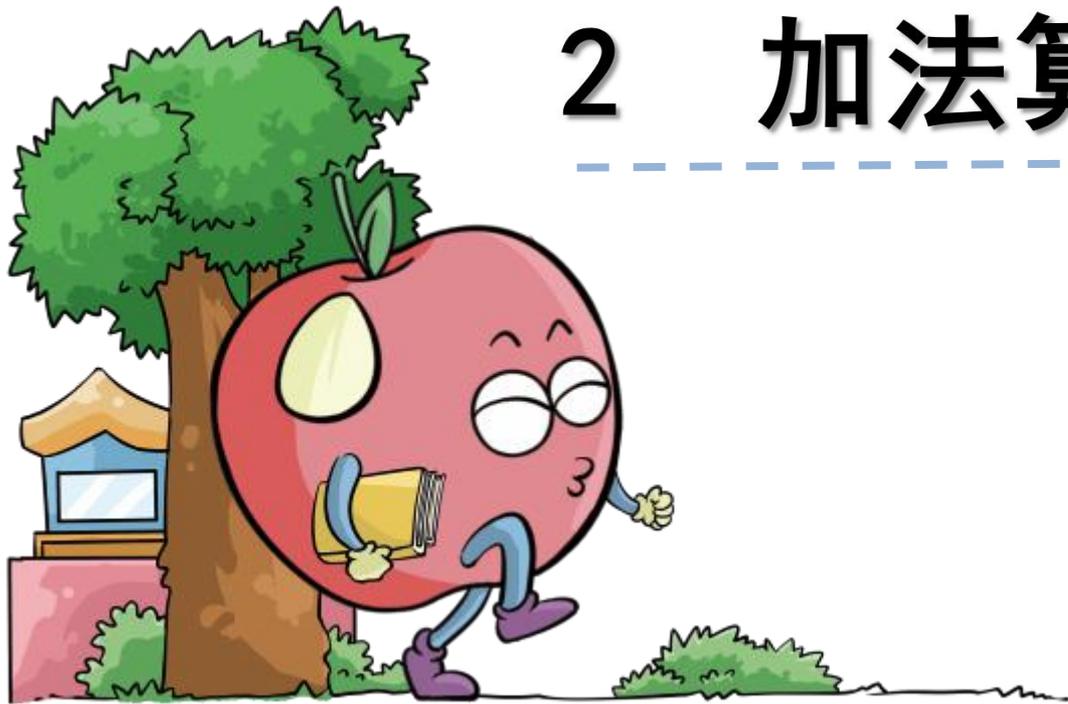


第10单元

探索乐园

2 加法算式的规律

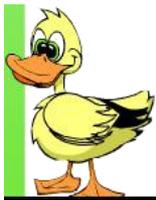


学习目标

1. 掌握“两个数相加, 交换位置, 结果不变”的加法规律。
2. 已知各数之间的关系, 解决数列问题。
3. 解决简单的以图代数的问题。

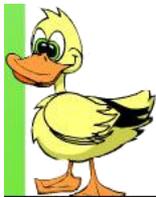


复习导入



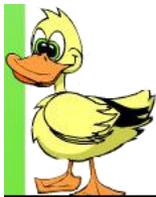
$$2+2+1=5$$

$$12-3-6=3$$



$$3+4-2=5$$

$$8-5+3=6$$



$$13-4-2=7$$

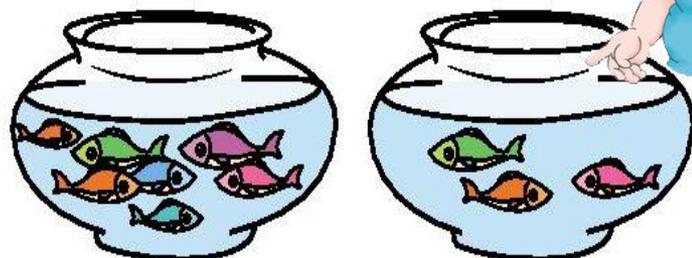
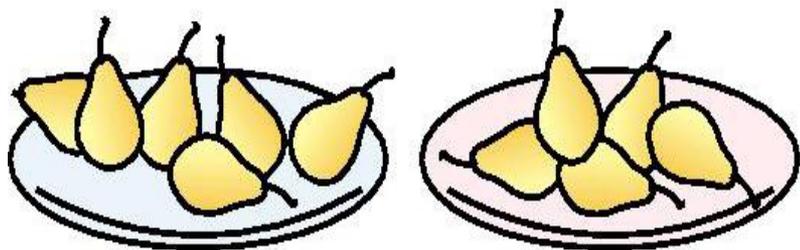
$$10+0+2=12$$

情景导入1

观察两组算式，你发现了什么？



(1) 算一算



$$5+6=11$$

$$6+5=11$$

$$5+6=6+5$$

$$7+3=10$$

$$3+7=10$$

$$7+3=3+7$$

两个数相加，交换加号两边的数，和不变。

探索新知

(2) 按照上题的规律，在方框里填上合适的数。

$$9+8=8+\boxed{9}$$

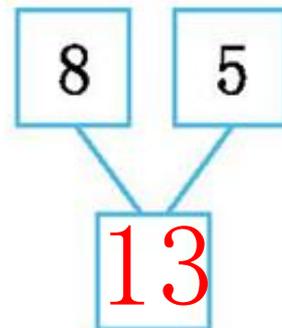
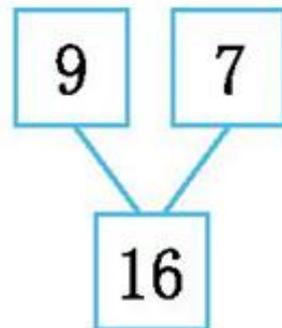
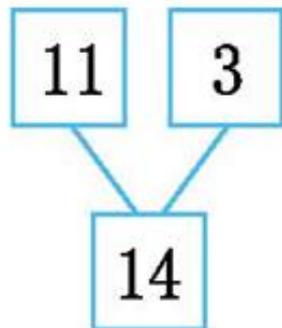
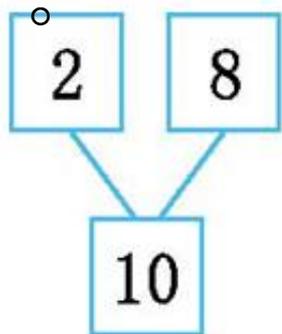
$$10+6=6+\boxed{10}$$

$$11+5=\boxed{5}+\boxed{11}$$

$$12+4=\boxed{4}+\boxed{11}$$

情景导入2

找规律, 在□里填上合适的数

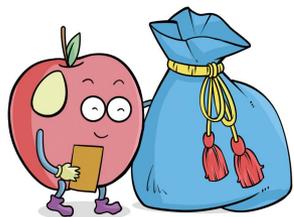
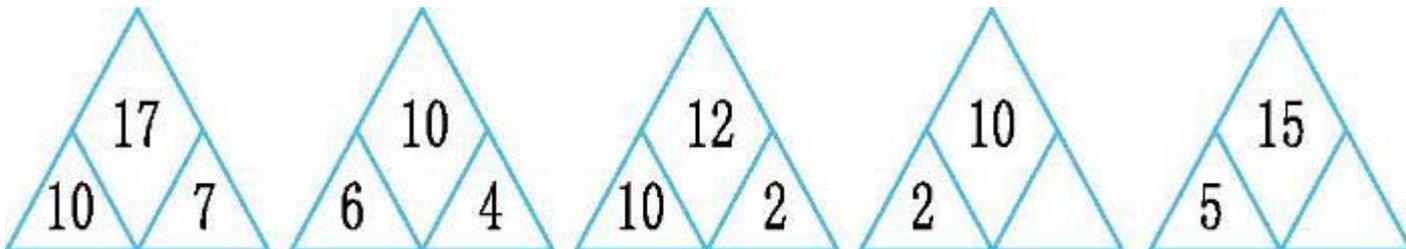
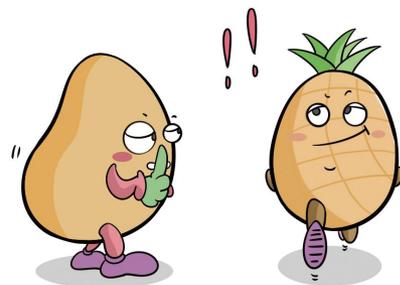


上面两个数相加等于下面的数。



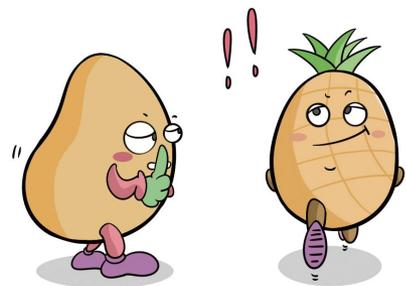
典题精讲

1. 先观察，再填上合适的数。

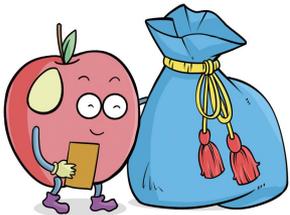


典题精讲

解题思路：

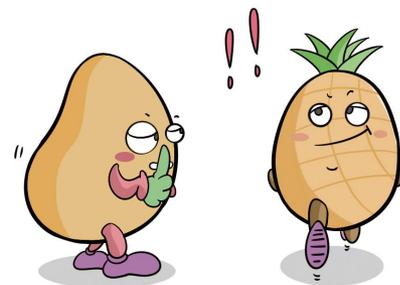


观察图形中三个数的关系,发现其中的规律,即三个数中最大的数是另外两个数的和,根据此规律填空。

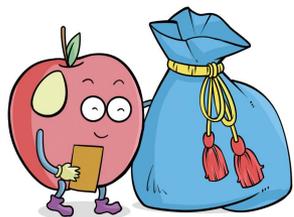


典题精讲

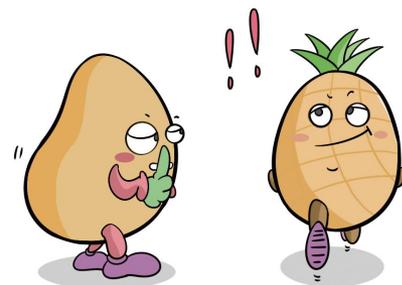
正确解答：



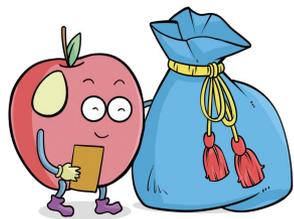
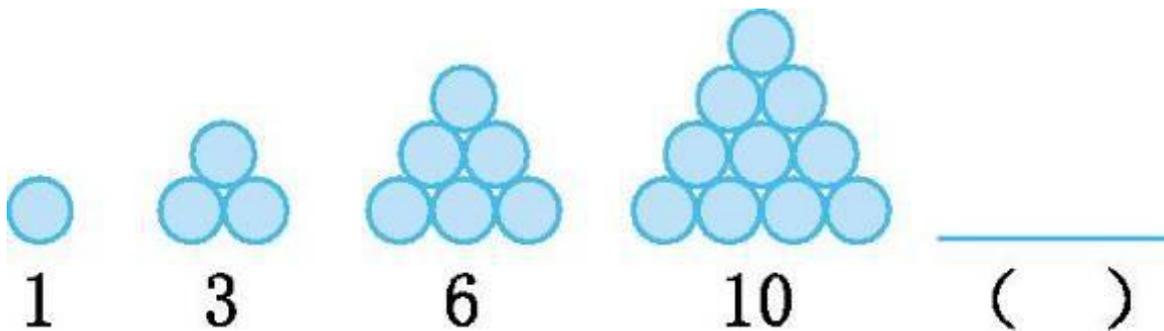
8
10



典题精讲

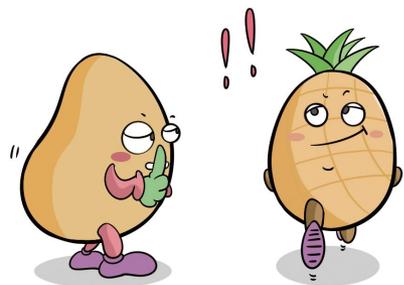


2. 摆一摆, 算一算。

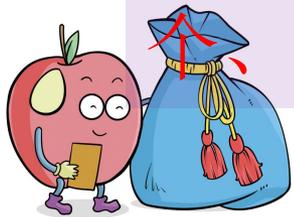


典题精讲

解题思路：

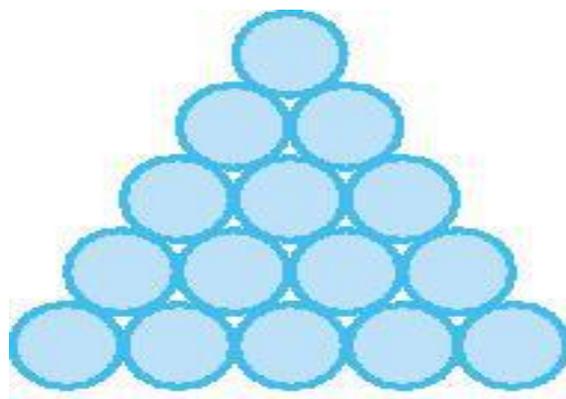


第一个图形有1个圆圈；第二个图形有两行，第一行有1个圆圈，第二行有2个圆圈；第三个图形有三行，每行分别有1个、2个、3个圆圈；第四个图形有四行，每行分别有1个、2个、3个、4个圆圈。依此类推，可知第五个图形应该有五行，每行分别有1个、2个、3个、4个、5个圆圈，一共有 $1+2+3+4+5=15$ 个圆圈。

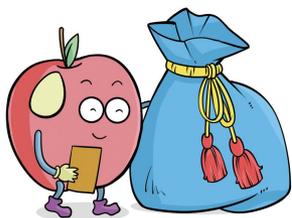
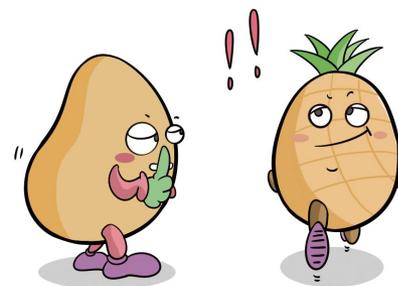


典题精讲

正确解答：



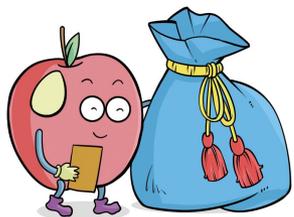
(15)



易错提醒

例

判断： $8+4=2+\square$ 中，
 $\square=8$ 。（）

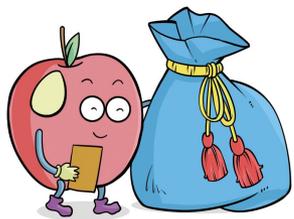


错误解答

易错提醒

错解分析：

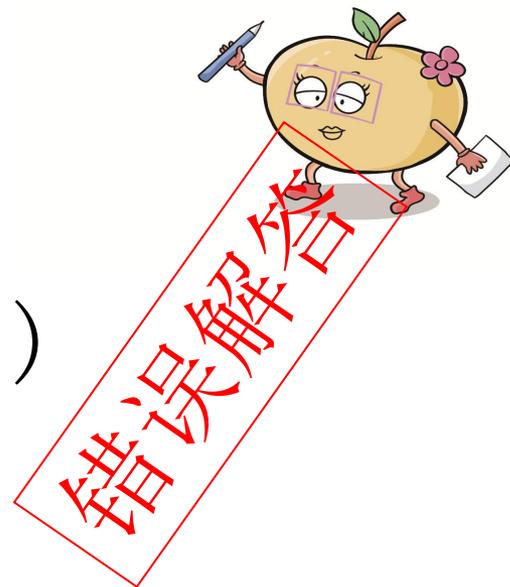
错误解答错在错误理解加法的规律。上述算式中应该是 $8+4=4+8$ ，但是算式是 $8+4=2+\square$ ，所以 \square 不代表8，而代表10。



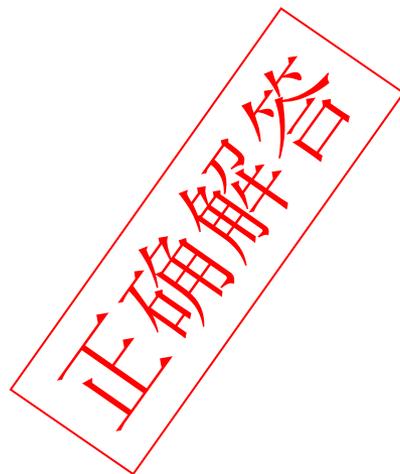
易错提醒

例

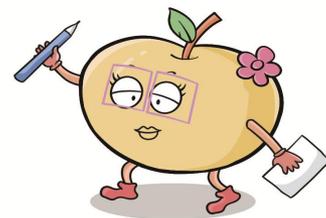
判断： $8+4=2+\square$ 中，
 $\square=8$ 。（ \checkmark ）



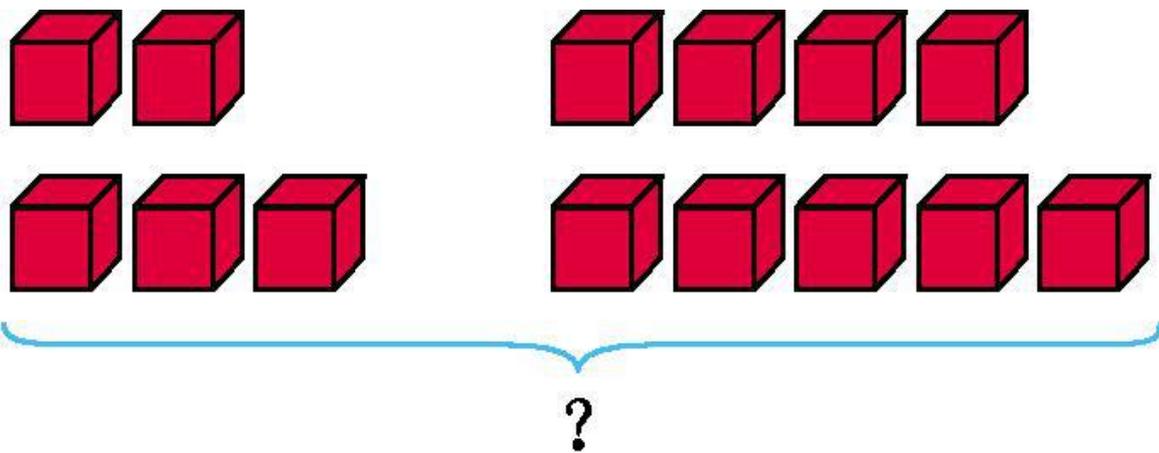
判断： $8+4=2+\square$ 中，
 $\square=8$ 。（ \times ）



学以致用



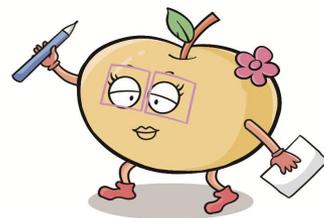
1. 看图列式计算。



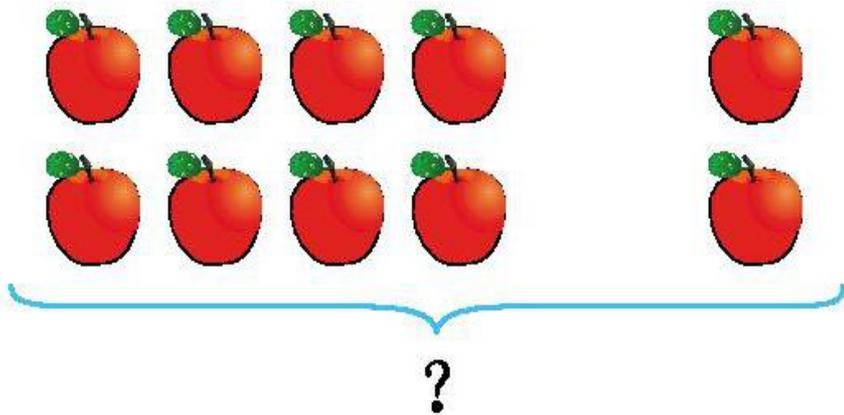
$$\boxed{5} \oplus \boxed{9} = \boxed{14} \quad \boxed{9} \oplus \boxed{5} = \boxed{14}$$

$$\boxed{5} + \boxed{9} = \boxed{9} + \boxed{5}$$

学以致用



2. 看图列式计算。

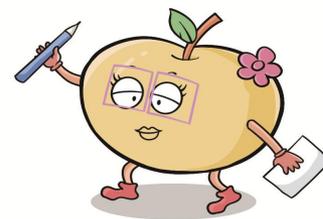


$$\boxed{8} + \boxed{2} = \boxed{10}$$

$$\boxed{2} + \boxed{8} = \boxed{10}$$

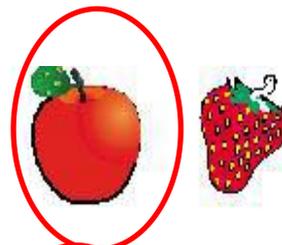
$$\boxed{8} + \boxed{2} = \boxed{2} + \boxed{8}$$

学以致用

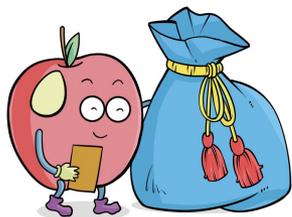
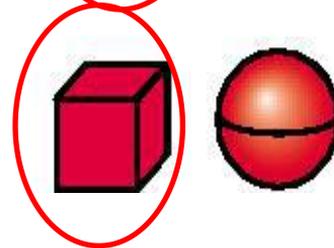


3. ()里应填哪个图?圈一圈。

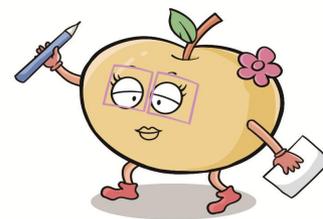
$$\text{Apple} + \text{Strawberry} = \text{Strawberry} + ()$$



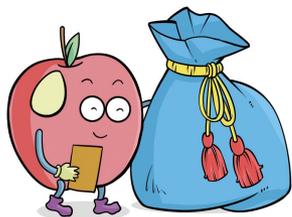
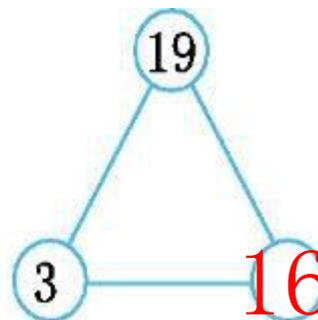
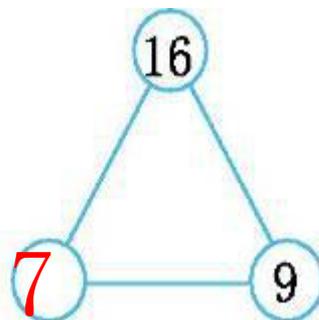
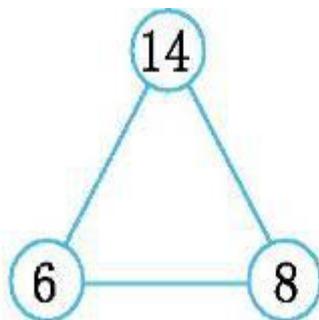
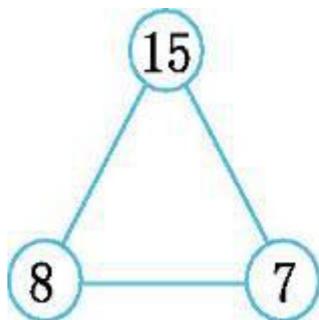
$$\text{Red sphere} + \text{Red cube} = () + \text{Red sphere}$$



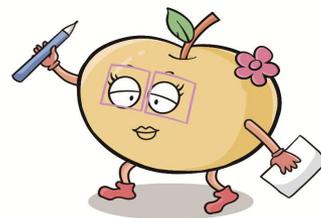
学以致用



4. 找规律, 填数。



学以致用

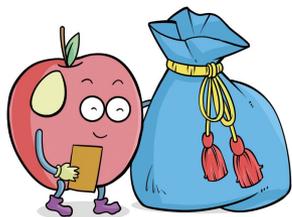


5. 算一算，填一填。

$$\text{Red Star} + \text{Red Star} = \text{Yellow Star}$$

$$\text{Yellow Star} + \text{Yellow Star} = 16$$

$$\text{Red Star} = (4)$$



课堂小结

你学会了
哪些知识？



探究已知数
之间的关系, 要
用加法或减法。

1. 在加法算式中, 交换加号两边的数, 计算结果相等。

2. 在数的合成中, 两个较小数相加等于大数; 在数的分解中, 大数减去一个较小数等于另一个较小数。