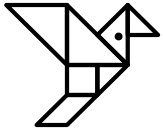


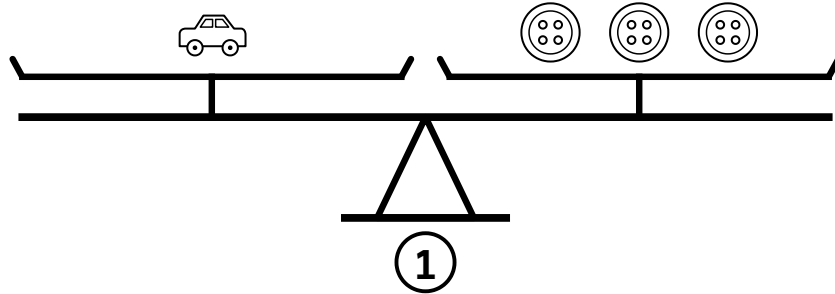


Learn a new puzzle

Balance Puzzles



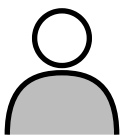
How many buttons balance 2 toy cars? Check it.



$$\text{car} + \text{car} = \boxed{} \text{ button}$$

1	2	3	4	5	6 ✓	7	8	9	10
---	---	---	---	---	-----	---	---	---	----

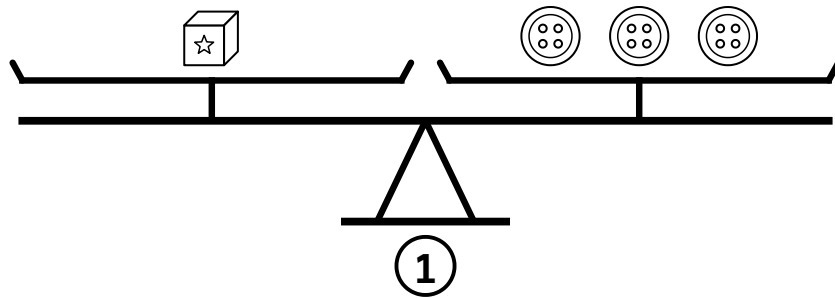
- 1 The scale is level: both sides weigh the same.
- 2 1 toy car = 3 buttons.
- 3 2 toy cars = 3 + 3 = 6 buttons. Check 6.



If one car is as heavy as 3 buttons, how about two cars?

**1****Balance Puzzles**

Both sides weigh the same. How many balance the last pan?
Check it.



$$\text{Cube with star} = \boxed{} \times \text{Button with 4 dots}$$

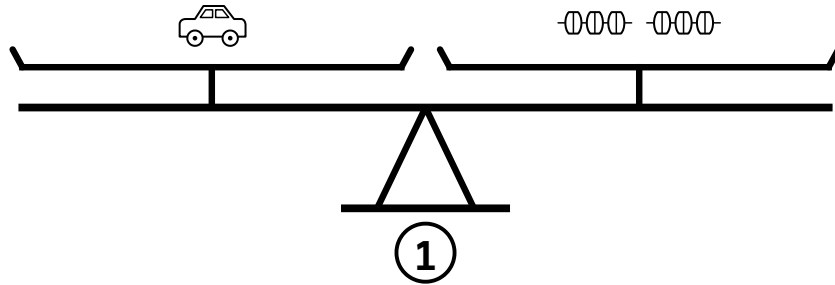
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



2

Balance Puzzles

Both sides weigh the same. How many balance the last pan?
Check it.



  = 

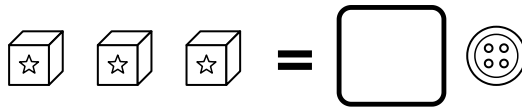
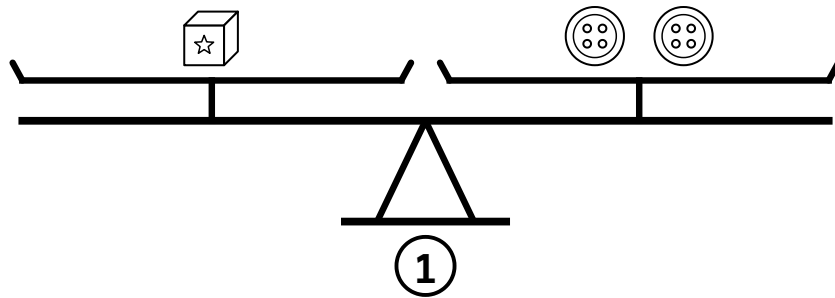
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



3

Balance Puzzles

Both sides weigh the same. How many balance the last pan?
Check it.



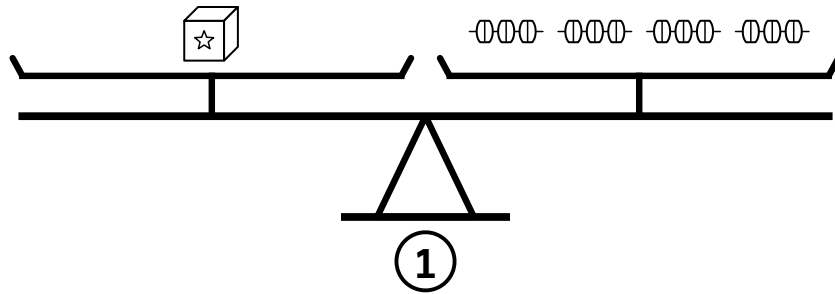
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



4

Balance Puzzles

Both sides weigh the same. How many balance the last pan?
Check it.



  = 

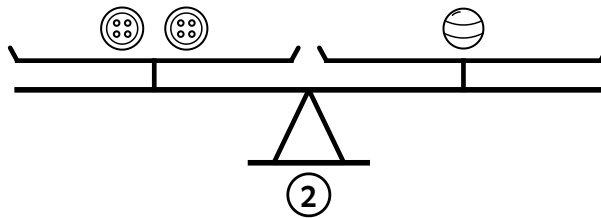
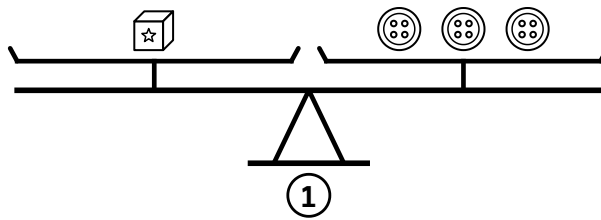
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



5

Balance Puzzles

Both sides weigh the same. How many balance the last pan?
Check it.



  = 

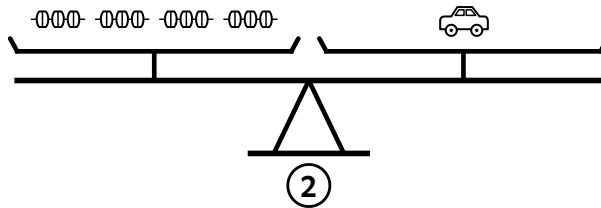
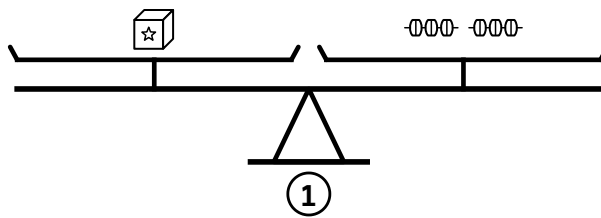
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



6

Balance Puzzles

Both sides weigh the same. How many balance the last pan?
Check it.

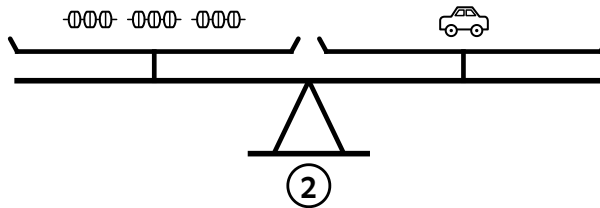
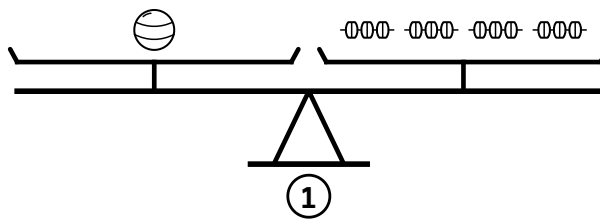


  = 

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

**7****Balance Puzzles**

Both sides weigh the same. How many balance the last pan?
Check it.

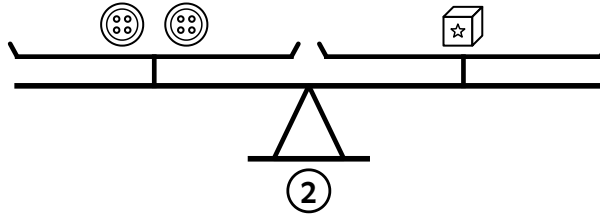
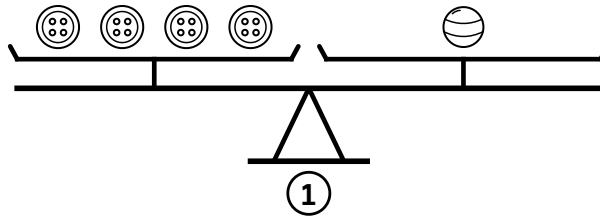


$$\text{car} + \text{ball} = \boxed{} \text{cubes}$$

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

**8****Balance Puzzles**

Both sides weigh the same. How many balance the last pan?
Check it.

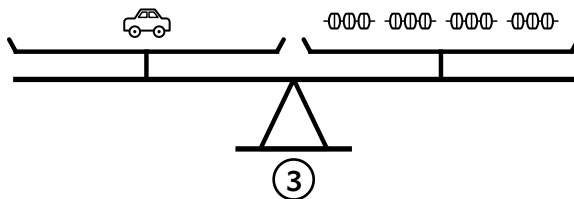
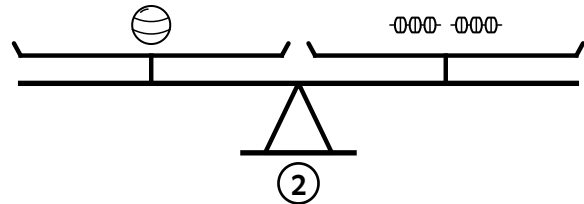
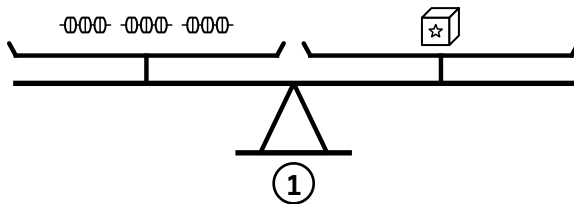


$$\text{circle with 2 dots} + \text{cube with star} + \text{cube with star} = \boxed{} \text{ circle with 4 dots}$$

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

9**Balance Puzzles**

Both sides weigh the same. How many balance the last pan?
Check it.



$$\text{cube with star} + \text{car} = \boxed{} \text{ cube with 4 dots}$$

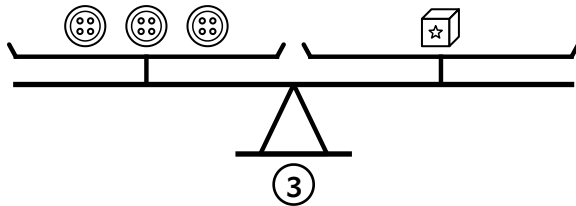
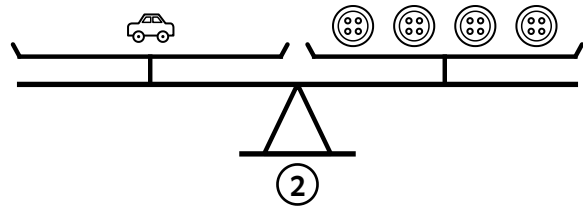
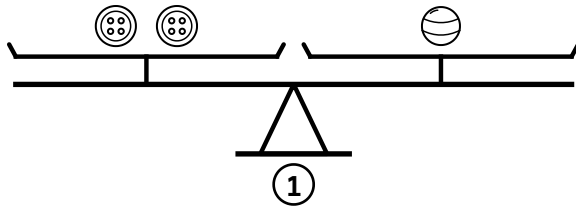
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----



10

Balance Puzzles

Both sides weigh the same. How many balance the last pan? Check it.



   = 

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

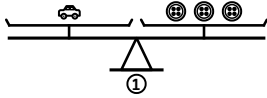


Answers

 For grown-ups. Cut off or keep this page aside until the puzzles are done.

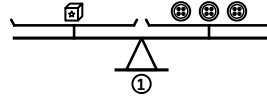
Learn · Balance Puzzles

#1



$$\text{car} = \square \text{ button}$$

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

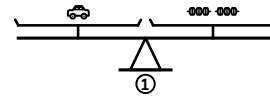


$$\text{block} = \square \text{ button}$$

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

1 block = 3 buttons. So the last pan needs 3 buttons.

#2

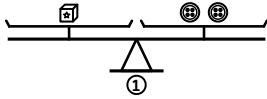


$$\text{car} = \square \text{ beads}$$

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

1 toy car = 2 beads. So the last pan needs 4 beads. $2 + 2 = 4$.

#3

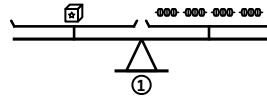


$$\text{block} = \square \text{ button}$$

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

1 block = 2 buttons. So the last pan needs 6 buttons. $2 + 2 + 2 = 6$.

#4

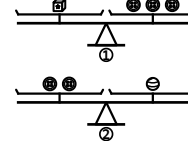


$$\text{block} = \square \text{ beads}$$

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

1 block = 4 beads. So the last pan needs 8 beads. $4 + 4 = 8$.

#5

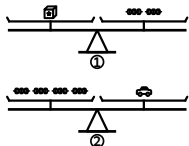


$$\text{block} = \square \text{ button}$$

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

1 ball = 2 buttons. 1 block = 3 buttons. So the last pan needs 5 buttons. $2 + 3 = 5$.

#6

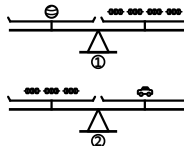


$$\text{block} = \square \text{ beads}$$

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

1 toy car = 4 beads. 1 block = 2 beads. So the last pan needs 6 beads. $4 + 2 = 6$.

#7

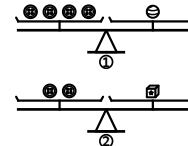


$$\text{ball} = \square \text{ beads}$$

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

1 toy car = 3 beads. 1 ball = 4 beads. So the last pan needs 7 beads. $3 + 4 = 7$.

#8



$$\text{ball} = \square \text{ button}$$

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

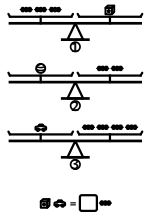
1 ball = 4 buttons. 1 block = 2 buttons. So the last pan needs 8 buttons. $4 + 2 = 8$.



Answers

For grown-ups. Cut off or keep this page aside until the puzzles are done.

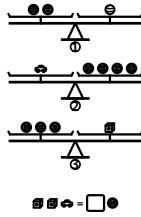
#9



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

1 block = 3 beads. 1 toy car = 4 beads.
So the last pan needs 7 beads. $3 + 4 = 7$.

#10



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

1 block = 3 buttons. 1 toy car = 4 buttons.
So the last pan needs 10 buttons. $3 + 3 + 4 = 10$.