A "Trick" with Nine and Eight

A "trick" with nine

Imagine that 9 wants to be ten! It's not happy—it wants to become a full TEN!

So, nine asks the other number (this time, 7) to give him some in order to make himself to be a ten.

Seven says, "OK," gives one to 9, and has only six left for himself.

In the end, we have 10 and 6. We get 16.

9 + 7

↓ ↓

10 6 = 16

We can also show the same thing this way →

Notice: it will also work if the second number is 9. Why? Because you can add in any order. 5 + 9 is the same as 9 + 5.

9 + 7

| \

9 + 1 + 6

10 + 6 = 16

1. Circle all of the blue marbles and some of the yellow ones so that you get a ten. Add.

a. 9 + 6

10 + 5 = _____

b. 9 + 4

10 + _____ = _____

c. 9 + 3

10 + _____ = _____

d. 9 + 5

10 + _____ = _____

2. Fill in the blanks. Imagine that nine wants to become a ten.

a. 9 + 8

/ \

9 + _____ + 7

b. 9 + 7

/ \

9 + _____ + _____

10 + _____ = _____

c. 9 + 9

/ \

9 + _____ + _____

10 + _____ = _____

A "trick" with eight

Imagine that 8 wants to be ten! It's not happy—it wants to become a full TEN!

So, eight asks the other number (this time, 5) to give him some in order to make himself to be a ten.

Five says, "OK," gives two to 8, and has only three left for himself.

In the end, we have 10 and 3. We get 13.

8 + 5

↓ ↓

10 3 = 13

We can also show the same thing this way:

8 + 5

| \

8 + 2 + 3

10 + 3 = 13

3. Circle all of the blue marbles and some of the yellow ones so that you get a ten. Add.

a. 8 + 6

10 + _____ = _____

b. 8 + 7

10 + _____ = _____

c. 8 + 3

10 + _____ = _____

d. 8 + 4

10 + _____ = _____

4. Fill in the blanks. Imagine that eight wants to become a ten.

a. 8 + 8

/ \

8 + 2 + _____

10 + _____ = _____

b. 8 + 5

/ \

8 + _____ + _____

10 + _____ = _____

c. 8 + 7

/ \

8 + _____ + _____

10 + _____ = _____

5. Right or not? Cross out the additions that are *false* (not correct).

a. 6 + 6 = 13 **b.** 7 + 8 = 15 **c.** 9 + 6 = 15 **d.** 9 + 7 = 17

6. Solve.

a. A basket has nine apples in it. Alice ate two, and her brother ate one. How many apples are left?	**b.** Jeremy picked up nine apples that had fallen under an apple tree. Then he picked up six more under another tree. How many apples does Jeremy have now?
c. Alice picked 7 flowers and Jeremy picked 9. How many more flowers did Jeremy pick? How many flowers did the children have together?	**d.** Jeremy put toy cars end-to-end. One car was 5 cm long, another was 5 cm also, and the third car was 4 cm long. How long was Jeremy's train of cars?

7. Write a number inside the balloon so that the numbers in the balloon make a ten. Add.

a. 7 + 3 + 5 = 15	**b.** 9 + _____ + 2 = _____	**c.** 7 + _____ + 5 = _____
d. 6 + _____ + 6 = _____	**e.** 8 + _____ + 4 = _____	**f.** 5 + _____ + 8 = _____

8. Add. Think how the nine or the eight wants to be ten! If the *second* number is 8 or 9, turn the addition around. You can add the numbers in the other order, 8 or 9 first.

a. 8 + 6 = _____ **b.** 6 + 9 = _____ **c.** 9 + 4 = _____

d. 4 + 8 = _____ **e.** 8 + 7 = _____ **f.** 9 + 9 = _____

g. 9 + 5 = _____ **h.** 8 + 8 = _____ **i.** 3 + 8 = _____

What number goes in the shape?

Puzzle Corner

a. △ + 8 = 16 **b.** △ + 9 = 15 **c.** △ + 2 + 7 = 13