

16-6=10 想:从16里去掉6个一,还剩1个十。

16-10=6 想:从16里去掉1个十,还剩6个一。

3. (1) 10+4=14(个) (2) 16-6=10(个)
(3) 13-10=3(个)

4. 10+2=12 11-1=10 9+10=19
10+8=18 5+10=15 11-10=1
13-10=3 17-7=10 14-10=4
2+10=12 15-5=10 12-10=2

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1. $\begin{array}{l} 12+3=15 \\ \begin{array}{l} 10 \quad 2 \\ \downarrow \quad \downarrow \\ 10 \quad 5 \end{array} \end{array}$ $\begin{array}{l} 16-2=14 \\ \begin{array}{l} 10 \quad 6 \\ \downarrow \quad \uparrow \\ 10 \quad 4 \end{array} \end{array}$

- $\begin{array}{l} 4+11=15 \\ \begin{array}{l} 1 \quad 10 \\ \downarrow \quad \downarrow \\ 10 \quad 5 \end{array} \end{array}$ $\begin{array}{l} 11+3=14 \\ \begin{array}{l} 10 \quad 1 \\ \downarrow \quad \downarrow \\ 10 \quad 4 \end{array} \end{array}$

- $\begin{array}{l} 18-5=13 \\ \begin{array}{l} 10 \quad 8 \\ \downarrow \quad \downarrow \\ 10 \quad 3 \end{array} \end{array}$ $\begin{array}{l} 6+12=18 \\ \begin{array}{l} 2 \quad 10 \\ \downarrow \quad \downarrow \\ 10 \quad 8 \end{array} \end{array}$

2. 10+8=18 16-3=13 11+2=13 19-2=17
12+7=19 17-5=12 15+3=18 15-3=12
11+6=17 14-3=11 18-6=12 19-3=16
12+5=17 16-10=6 13+6=19 12+4=16
14+2=16 15+4=19 15-4=11 11+8=19

3. 3+14=17(本) 16-5=11(只)

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1. $\begin{array}{l} 6+4+2=12 \\ \begin{array}{l} 10 \\ \downarrow \quad \downarrow \\ 10 \end{array} \end{array}$ $\begin{array}{l} 17-7-6=4 \\ \begin{array}{l} 10 \\ \downarrow \quad \downarrow \\ 10 \end{array} \end{array}$
 $\begin{array}{l} 19-6+2=15 \\ \begin{array}{l} 13 \\ \downarrow \quad \downarrow \\ 13 \end{array} \end{array}$ $\begin{array}{l} 18-3+3=18 \\ \begin{array}{l} 15 \\ \downarrow \quad \downarrow \\ 15 \end{array} \end{array}$
 $\begin{array}{l} 5+10-4=11 \\ \begin{array}{l} 15 \\ \downarrow \quad \downarrow \\ 15 \end{array} \end{array}$ $\begin{array}{l} 10+4-2=12 \\ \begin{array}{l} 14 \\ \downarrow \quad \downarrow \\ 14 \end{array} \end{array}$

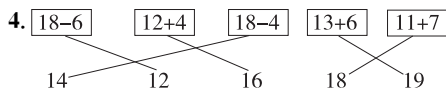
2. $\frac{13-3}{(10)} = 10$ $\frac{8+10}{(18)} = 18$ $\frac{13+5}{(18)} > \frac{4+12}{(16)}$

$\frac{12+5}{(17)} > 16$ $\frac{19-3}{(16)} > 7$ $\frac{16-5}{(11)} < \frac{3+11}{(14)}$

3. 6+4=10 10+4=14 11+4=15

16+3=19 10+3=13 6+10=16

2+14=16 3+15=18

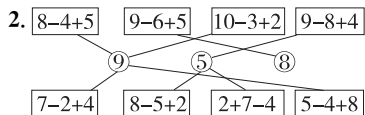


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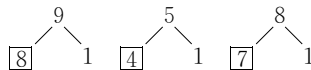
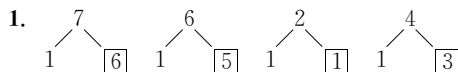
1. 19-8+4=15 16-5+8=19 13+3-5=11

16-2-3=11 3+3+3=9 4+4-6=2

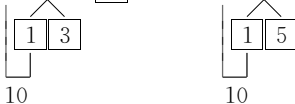
16-3+4=17 19-3-5=11



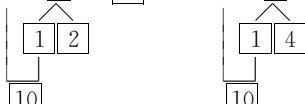
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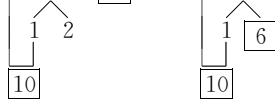
2. (1) 9+4=13 (2) 9+6=15



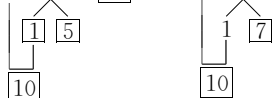
(3) 9+3=12 (4) 9+5=14



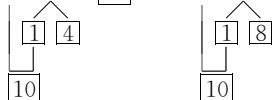
3. 9+3=12 9+7=16



9+6=15 9+8=17



9+5=14 9+9=18



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1. $9+1+2=12$ $9+1+5=15$ $9+1+4=14$

$9+3=12$ $9+6=15$ $9+5=14$

2. $9+2=11$ $9+4=13$

想:把 2 分成 1 和 1, 想:把 4 分成 1 和 3,

先算 $9+1=10$, 先算 $9+1=10$,

再算 $10+1=11$. 再算 $10+3=13$.

$9+9=18$ $9+7=16$

想:把 9 分成 1 和 8, 想:把 7 分成 1 和 6,

先算: $9+1=10$, 先算 $9+1=10$,

再算 $10+8=18$. 再算 $10+6=16$.

$9+5=14$ $9+8=17$

想:把 5 分成 1 和 4, 想:把 8 分成 1 和 7,

先算 $9+1=10$, 先算 $9+1=10$,

再算 $10+4=14$. 再算 $10+7=17$.

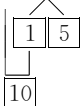
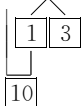
3. $9+6=15$ $9+5=14$ $9+8=17$ $9+4=13$

$4+5=9$ $9+3=12$ $6+4=10$ $9+2=11$

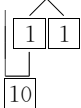
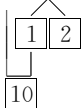
$3+6=9$ $9+7=16$ $3+7=10$ $9+9=18$

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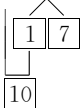
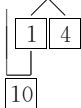
1. $9+4=13$ $9+6=15$



$9+3=12$ $9+2=11$



$9+5=14$ $9+8=17$



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

17 12 13 14 16 15

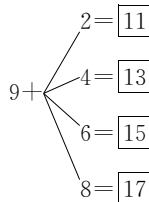
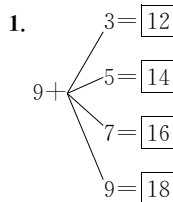
3. $\frac{9+7}{(16)} > 15$ $\frac{9+8}{(17)} > 15$ $\frac{9+6}{(15)} = \frac{6+9}{(15)}$

$\frac{9+5}{(14)} < 16$ $\frac{9+2}{(11)} < 12$ $\frac{10+4}{(14)} = \frac{4+10}{(14)}$

$\frac{9+4}{(13)} = 13$ $\frac{9+3}{(12)} < 14$ $\frac{6+3}{(9)} = \frac{3+6}{(9)}$

4. $3+9=12$ $9+3=12$

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2. $9+6=15$ $9+2=11$

想: $6-1=5$ 想: $2-1=1$

$9+5=14$ $9+7=16$

想: $5-1=4$ 想: $7-1=6$

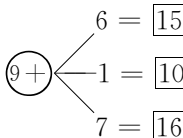
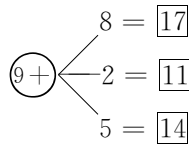
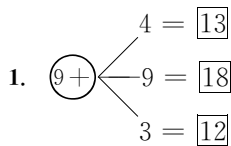
$9+4=13$ $9+9=18$

想: $4-1=3$ 想: $9-1=8$

3. (1) $9+3=12$ (只) (2) $9+5=14$ (辆)

(3) $9+10=19$ (条) (4) $18-8=10$ (个)

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2. $9+2=11$ $9+8=17$

想: $9+1=10$ 想: $9+1=10$

$10+1=11$ $10+7=17$

$1+1=2$ $1+7=8$

$9+5=14$ $3+9=12$

想: $9+1=10$ 想: $9+1=10$

$10+4=14$ $10+2=12$

$1+4=5$ $1+2=3$



$$\boxed{9} + 9 = 18$$

$$\boxed{6} + 9 = 15$$

想: $9 + \boxed{1} = 10$

想: $\boxed{9} + \boxed{1} = 10$

$$10 + \boxed{8} = 18$$

$$\boxed{10} + \boxed{5} = 15$$

$$\boxed{1} + \boxed{8} = \boxed{9}$$

$$\boxed{1} + \boxed{5} = \boxed{6}$$

3. $\frac{9+7}{(16)} \bigcirc 15$ $\frac{9+3}{(12)} \bigcirc 14$ $\frac{9+8}{(17)} \ominus \frac{7+10}{(17)}$
 $16 \bigcirc \frac{9+6}{(15)}$ $17 \bigcirc \frac{9+9}{(18)}$ $\frac{11+2}{(13)} \bigcirc \frac{16-2}{(14)}$

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1. $\begin{array}{c} 9 \quad \boxed{1} \\ \diagdown \quad / \\ 10 \end{array}$ $\begin{array}{c} 8 \quad \boxed{2} \\ \diagdown \quad / \\ 10 \end{array}$ $\begin{array}{c} 7 \quad \boxed{3} \\ \diagdown \quad / \\ 10 \end{array}$

$\begin{array}{c} 10 \\ / \quad \backslash \\ 6 \quad \boxed{4} \end{array}$ $\begin{array}{c} 5 \\ / \quad \backslash \\ 2 \quad \boxed{3} \end{array}$ $\begin{array}{c} 6 \\ / \quad \backslash \\ 3 \quad \boxed{3} \end{array}$

2. (1) $8 + 6 = \boxed{14}$
 $\begin{array}{c} 8 \quad \boxed{6} \\ \diagdown \quad / \\ 10 \end{array}$

(2) $7 + 5 = \boxed{12}$
 $\begin{array}{c} 7 \quad \boxed{5} \\ \diagdown \quad / \\ 10 \end{array}$

(3) $6 + 6 = \boxed{12}$
 $\begin{array}{c} 6 \quad \boxed{6} \\ \diagdown \quad / \\ 10 \end{array}$

(4) $6 + 5 = \boxed{11}$
 $\begin{array}{c} 6 \quad \boxed{5} \\ \diagdown \quad / \\ 10 \end{array}$

(5) $\boxed{8} + \boxed{5} = \boxed{13}$
 $\begin{array}{c} \boxed{8} \quad \boxed{5} \\ \diagdown \quad / \\ 10 \end{array}$

(6) $\boxed{7} + \boxed{6} = \boxed{13}$
 $\begin{array}{c} \boxed{7} \quad \boxed{6} \\ \diagdown \quad / \\ 10 \end{array}$

3. $\begin{cases} 8+2+3=13 \\ 8+5=13 \end{cases}$ $\begin{cases} 7+3+4=14 \\ 7+7=14 \end{cases}$ $\begin{cases} 6+4+2=12 \\ 6+6=12 \end{cases}$
 $\begin{cases} 8+2+2=12 \\ 8+4=12 \end{cases}$ $\begin{cases} 7+3+3=13 \\ 7+6=13 \end{cases}$ $\begin{cases} 6+4+1=11 \\ 6+5=11 \end{cases}$
 $\begin{cases} 8+2+4=14 \\ 8+6=14 \end{cases}$ $\begin{cases} 7+3+2=12 \\ 7+5=12 \end{cases}$

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1. $7 + 9 = \boxed{16}$

$$\begin{array}{c} 7 + 9 = \boxed{16} \\ \diagdown \quad / \\ 10 \end{array}$$

$$\begin{array}{c} 7 + 9 = \boxed{16} \\ \diagdown \quad / \\ 10 \end{array}$$

$9 + 7 = 16$
 $7 + 9 = \boxed{16}$

$$7 + 8 = \boxed{15}$$

$$\begin{array}{c} 7 + 8 = \boxed{15} \\ \diagdown \quad / \\ 10 \end{array}$$

$$\begin{array}{c} 7 + 8 = \boxed{15} \\ \diagdown \quad / \\ 10 \end{array}$$

$$6 + 7 = \boxed{13}$$

$$\begin{array}{c} 6 + 7 = \boxed{13} \\ \diagdown \quad / \\ 10 \end{array}$$

$$\begin{array}{c} 6 + 7 = \boxed{13} \\ \diagdown \quad / \\ 10 \end{array}$$

$$7 + 5 = \boxed{12}$$

$$\begin{array}{c} 7 + 5 = \boxed{12} \\ \diagdown \quad / \\ 10 \end{array}$$

$$\begin{array}{c} 7 + 5 = \boxed{12} \\ \diagdown \quad / \\ 10 \end{array}$$

$$8 + 9 = \boxed{17}$$

$$\begin{array}{c} 8 + 9 = \boxed{17} \\ \diagdown \quad / \\ 10 \end{array}$$

$$\begin{array}{c} 8 + 9 = \boxed{17} \\ \diagdown \quad / \\ 10 \end{array}$$

2. $6 + 8 = 14$
 $\begin{array}{c} 6 \quad \boxed{8} \\ \diagdown \quad / \\ 10 \end{array}$

$6 + 5 = 11$
 $\begin{array}{c} 6 \quad \boxed{5} \\ \diagdown \quad / \\ 10 \end{array}$

$8 + 4 = 12$
 $\begin{array}{c} 8 \quad \boxed{4} \\ \diagdown \quad / \\ 10 \end{array}$

$6 + 9 = 15$
 $\begin{array}{c} 6 \quad \boxed{9} \\ \diagdown \quad / \\ 10 \end{array}$

(方法不唯一)

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1. $9 + \begin{cases} 2 = \boxed{11} \\ 4 = \boxed{13} \\ 6 = \boxed{15} \\ 8 = \boxed{17} \end{cases}$

$7 + \begin{cases} 7 = \boxed{14} \\ 6 = \boxed{13} \\ 5 = \boxed{12} \\ 4 = \boxed{11} \end{cases}$

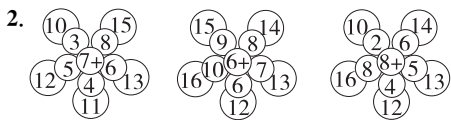
$8 + \begin{cases} 3 = \boxed{11} \\ 4 = \boxed{12} \\ 5 = \boxed{13} \\ 6 = \boxed{14} \end{cases}$

$6 + \begin{cases} 5 = \boxed{11} \\ 6 = \boxed{12} \\ 7 = \boxed{13} \\ 8 = \boxed{14} \end{cases}$

我发现: 9 加几, 得数个位上的数比第二个加数少 (1); 7 加几, 得数个位上的数比第二个加数少 (3); 8 加几, 得数个位上的数比第二个加数少 (2); 6 加

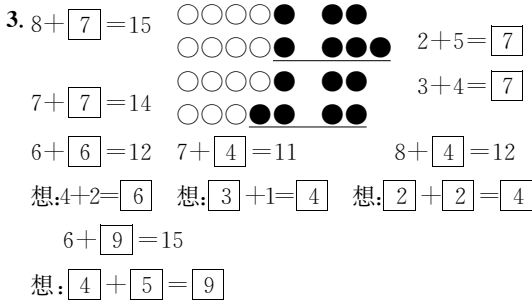
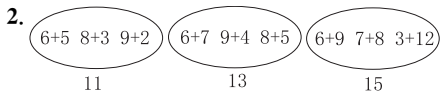
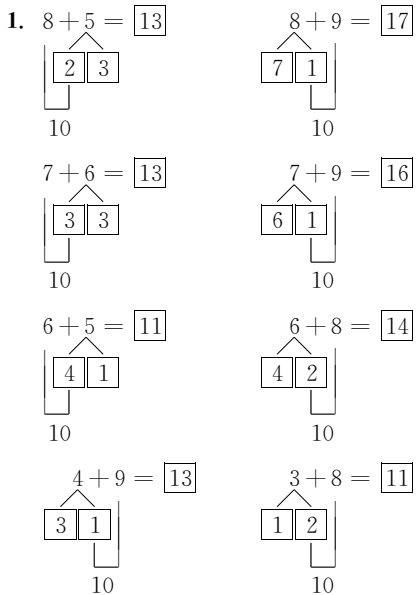


几,得数个位上的数比第二个加数少(4)。

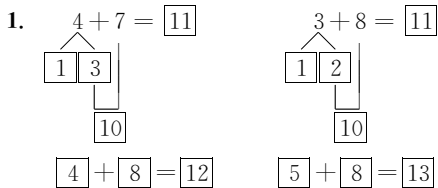


3. $\frac{8+5}{(13)} \ominus 14$ $\frac{7+7}{(14)} \ominus 13$ $\frac{8+9}{(17)} \ominus \frac{7+8}{(15)}$
 $\frac{6+8}{(14)} \ominus 15$ $\frac{8+3}{(11)} \ominus 11$ $\frac{6+7}{(13)} \ominus \frac{8+5}{(13)}$
 $\frac{7+5}{(12)} \ominus 12$ $\frac{6+9}{(15)} \ominus 14$ $\frac{8+8}{(16)} \ominus \frac{7+9}{(16)}$

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2. $\begin{cases} 9+4 = 13 \\ 4+9 = \boxed{13} \end{cases}$ $\begin{cases} 8+3 = 11 \\ 3+8 = \boxed{11} \end{cases}$ $\begin{cases} 7+5 = 12 \\ 5+7 = \boxed{12} \end{cases}$
 $\begin{cases} 6+5 = \boxed{11} \\ 5+6 = \boxed{11} \end{cases}$ $\begin{cases} 9+2 = \boxed{11} \\ 2+9 = \boxed{11} \end{cases}$ $\begin{cases} 7+4 = \boxed{11} \\ 4+7 = \boxed{11} \end{cases}$
 $\begin{cases} 8+5 = \boxed{13} \\ 5+8 = \boxed{13} \end{cases}$ $\begin{cases} 8+4 = \boxed{12} \\ 4+8 = \boxed{12} \end{cases}$

3. $2+9 = \boxed{11}$ $5+6 = \boxed{11}$ $4+8 = \boxed{12}$ $6+9 = \boxed{15}$
 $3+9 = \boxed{12}$ $4+7 = \boxed{11}$ $3+8 = \boxed{11}$ $8+9 = \boxed{17}$
 $4+6 = \boxed{10}$ $5+9 = \boxed{14}$ $4+9 = \boxed{13}$ $2+6 = \boxed{8}$

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1. $9+2=11$ $8+9=17$ $8+5=13$ $15-4=11$
 $7+5=12$ $3+8=11$ $4+7=11$ $3+9=12$
 $4+9=13$ $9+5=14$ $8+8=16$ $13-10=3$
 $8+6=14$ $2+9=11$ $5+6=11$ $4+8=12$
 $5+9=14$ $6+7=13$ $9+6=15$ $10+7=17$
 $7+7=14$ $8+4=12$ $6+6=12$ $8+3=11$
 $9+8=17$ $5+7=12$ $5+8=13$ $6+8=14$
 $6+5=11$ $8+7=15$ $9+9=18$ $7+8=15$

2. $2 + \boxed{9} = 11$ $5 + \boxed{7} = 12$
 想: $8+1 = \boxed{9}$ 想: $5+2 = \boxed{7}$
 $\boxed{6} + 8 = 14$ $4 + \boxed{8} = 12$
 想: $\boxed{2} + 4 = \boxed{6}$ 想: $\boxed{6} + 2 = \boxed{8}$
 $3 + \boxed{8} = 11$ $7 + \boxed{9} = 16$
 想: $\boxed{7} + \boxed{1} = \boxed{8}$ 想: $\boxed{3} + \boxed{6} = \boxed{9}$
 $\boxed{5} + 8 = 13$ $\boxed{4} + 9 = 13$
 想: $\boxed{2} + \boxed{3} = \boxed{5}$ 想: $\boxed{1} + \boxed{3} = \boxed{4}$
 $\boxed{6} + 7 = 13$ $6 + \boxed{9} = 15$
 $7 + \boxed{7} = 14$ $\boxed{8} + 8 = 16$

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1. $2+9+3=14$ $9-4+6=11$ $10-7+9=12$
 $5+9-3=11$ $5+8-2=11$ $2+2+8=12$
 $13-10+8=11$ $6+8-2=12$ $6+6+6=18$
 $15-5-5=5$ $4+8-10=2$ $7+4+5=16$

2. (1) $\frac{11+5}{(16)}$ $\frac{19-9}{(10)}$ $\frac{10+4}{(14)}$ $\frac{6+9}{(15)}$ $\frac{2+9}{(11)}$ $\frac{4+8}{(12)}$ $\frac{6+7}{(13)}$
 $19-9 < 2+9 < 4+8 < 6+7 < 10+4 < 6+9 < 11+5$

(2) $\frac{7+7}{(14)}$ $\frac{3+8}{(11)}$ $\frac{16-3}{(13)}$ $\frac{6+10}{(16)}$ $\frac{5+7}{(12)}$ $\frac{9+8}{(17)}$ $\frac{19-4}{(15)}$

