

Adı :
Soyadı :
Sınıfı :

Matematik-2

Zihinden Toplama İşlemi-1



Bilgi: 10 ev 10'un katları olan sayılarla zihinden toplama işlemi yapılırken;

$$50 + 40 = ?$$

1.Yol: Büyük sayının üzerine diğer sayı onar sayarak eklenir.

2.Yol: Onlar basamağındaki sayılar toplanır, yanına sıfır eklenir.

$$50 + 40 = ?$$

$$50 + 10 + 10 + 10 + 10 = 90$$

$$50 + 40 = ?$$

$$5 + 4 = 9$$

Aşağıdaki toplama işlemlerini örnekteki gibi yapalım.

$\begin{array}{r} 20 \\ + 30 \\ \hline 50 \end{array}$	$\begin{array}{r} 50 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ + 30 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ + 50 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 40 \\ \hline \end{array}$
.....

$\begin{array}{r} 20 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ + 30 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 40 \\ \hline \end{array}$
.....

$\begin{array}{r} 30 \\ + 40 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 50 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ + 50 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ + 10 \\ \hline \end{array}$
.....

$\begin{array}{r} 60 \\ + 30 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ + 50 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 80 \\ \hline \end{array}$
.....

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Zihinden Toplama İşlemi-2



Aşağıdaki toplama işlemlerini örnekteki gibi yapalım.

$$\begin{array}{r} 20 \\ 10 \\ + 10 \\ \hline 40 \\ \text{.....} \end{array}$$

$$\begin{array}{r} 30 \\ 20 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 20 \\ 20 \\ + 20 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 40 \\ 30 \\ + 20 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 30 \\ 20 \\ + 30 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 50 \\ 10 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 10 \\ 30 \\ + 40 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 40 \\ 20 \\ + 30 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 60 \\ 10 \\ + 20 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 70 \\ 10 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 20 \\ 30 \\ + 40 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 30 \\ 30 \\ + 30 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 10 \\ 40 \\ + 40 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 50 \\ 20 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 60 \\ 30 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 10 \\ 30 \\ + 40 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 20 \\ 20 \\ + 50 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 30 \\ 10 \\ + 30 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 70 \\ 10 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 40 \\ 20 \\ + 20 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 50 \\ 30 \\ + 20 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 10 \\ 30 \\ + 50 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 20 \\ 40 \\ + 40 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 40 \\ 10 \\ + 30 \\ \hline \\ \text{.....} \end{array}$$

$$\begin{array}{r} 80 \\ 10 \\ + 10 \\ \hline \\ \text{.....} \end{array}$$

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Zihinden Toplama İşlemi-3



Aşağıdaki toplama işlemlerini örnekteki gibi yapalım.

$\begin{array}{r} 20 \\ 30 \\ + 4 \\ \hline 54 \\ \text{.....} \end{array}$	$\begin{array}{r} 40 \\ 10 \\ + 6 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 50 \\ 30 \\ + 7 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 30 \\ 5 \\ + 40 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 60 \\ 30 \\ + 5 \\ \hline \\ \text{.....} \end{array}$
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$\begin{array}{r} 50 \\ 20 \\ + 3 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 40 \\ 30 \\ + 4 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 70 \\ 7 \\ + 20 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 5 \\ 30 \\ + 50 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 60 \\ 20 \\ + 8 \\ \hline \\ \text{.....} \end{array}$
--	--	--	--	--

$\begin{array}{r} 20 \\ 60 \\ + 2 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 50 \\ 3 \\ + 40 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 40 \\ 40 \\ + 8 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 6 \\ 20 \\ + 40 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 60 \\ 30 \\ + 9 \\ \hline \\ \text{.....} \end{array}$
--	--	--	--	--

$\begin{array}{r} 50 \\ 10 \\ + 8 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 30 \\ 30 \\ + 5 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 70 \\ 7 \\ + 20 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 40 \\ 6 \\ + 50 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 80 \\ 10 \\ + 3 \\ \hline \\ \text{.....} \end{array}$
--	--	--	--	--

$\begin{array}{r} 40 \\ 30 \\ + 9 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 70 \\ 4 \\ + 10 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 8 \\ 50 \\ + 30 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 6 \\ 40 \\ + 50 \\ \hline \\ \text{.....} \end{array}$	$\begin{array}{r} 40 \\ 10 \\ + 5 \\ \hline \\ \text{.....} \end{array}$
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Zihinden Toplama İşlemi-4



Aşağıdaki toplama işlemlerini örnekteki gibi yapalım.

2 0	4 0	5 0	3 0	2 0
3 0	2 0	2 0	1 0	2 0
1 0	1 0	1 0	1 6	7
+ 5	+ 6	+ 4	+ 8	+ 3 0
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
6 5

1 0	2 0	6 0	3 0	7 0
4 0	5 0	1	3	1 0
3 0	8	1 0	5 0	1 0
+ 4	+ 1 0	+ 2 0	+ 1 0	+ 6
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
.....

6 0	5 0	1 0	3 0	4 0
8	3 0	6 0	2 0	2 0
1 0	7	1 0	3 6	3
+ 1 0	+ 1 0	+ 5	+ 6	+ 2 0
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
.....

2 0	1 0	4 0	5 0	2 0
4 0	3 0	6	4	1 0
4 0	1 0	2 0	2 0	4 0
+ 8	+ 9	+ 2 0	+ 1 0	+ 7
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
.....

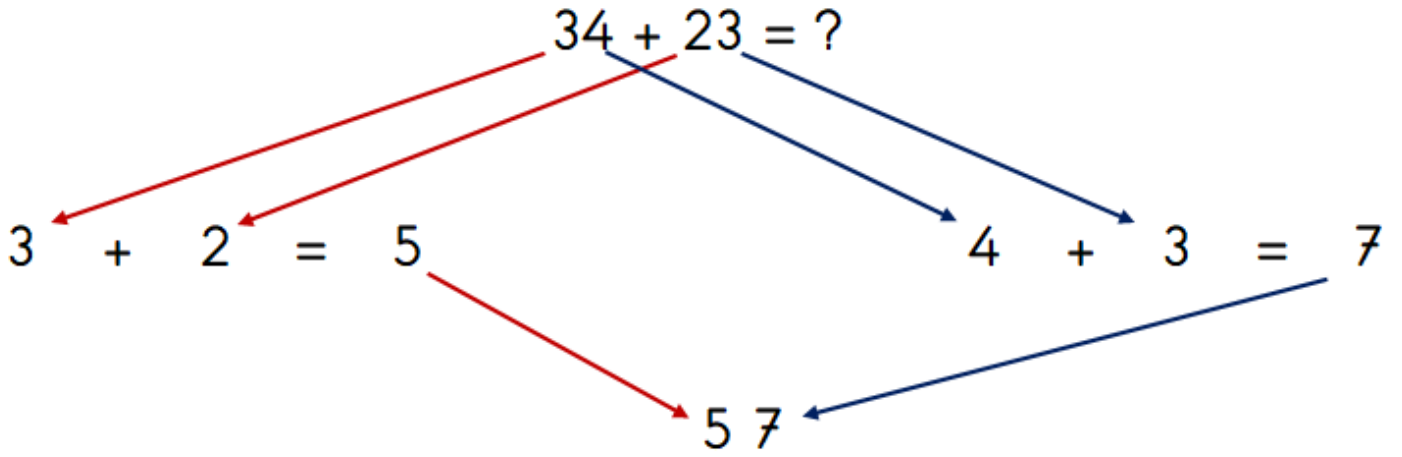
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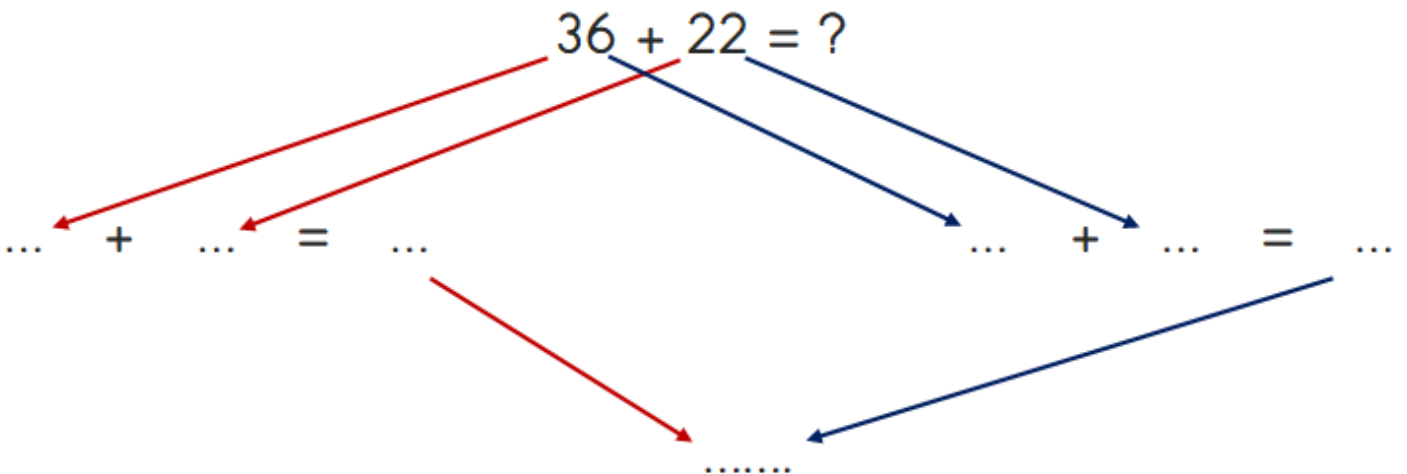
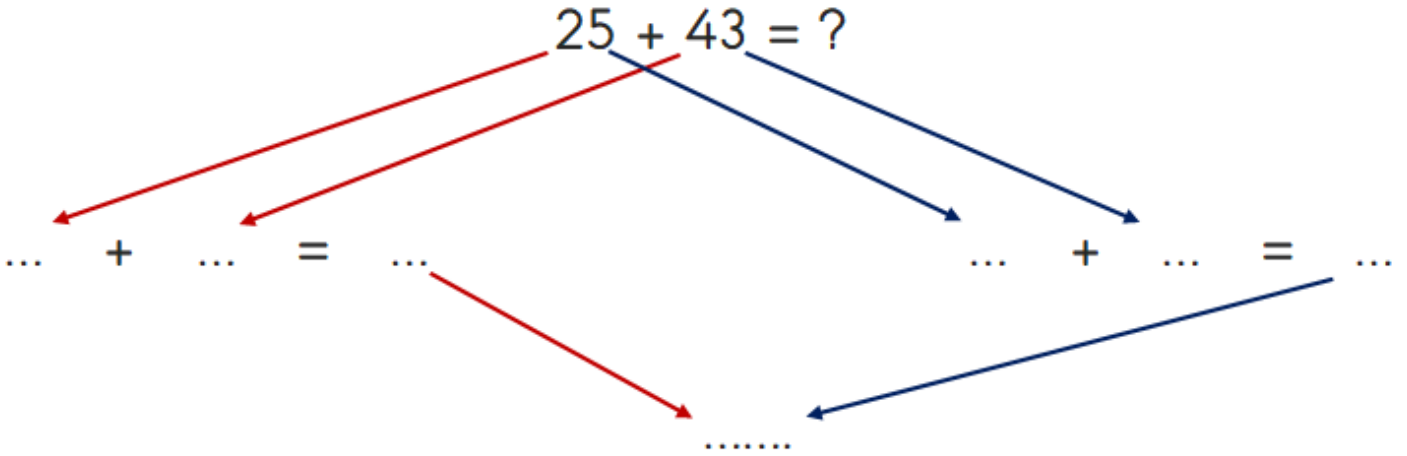
Zihinden Toplama İşlemi-5



Bilgi: 50'yi geçmeyen iki sayı zihinden toplanırken önce onlukları toplanır, sonra birlikler toplanır. Çıkan sayılar birbirine eklenir.



Aşağıdaki toplama işlemlerini yapalım.



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Zihinden Toplama İşlemi-6



Aşağıdaki toplama işlemlerini örnekteki gibi yapalım.

$$\begin{array}{r} 52 \\ + 14 \\ \hline 66 \\ \text{.....} \end{array}$$

$$\begin{array}{r} 37 \\ + 42 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 24 \\ + 42 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 63 \\ + 24 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 71 \\ + 24 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 35 \\ + 14 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 44 \\ + 53 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 65 \\ + 33 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 23 \\ + 54 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 37 \\ + 32 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 66 \\ + 21 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 18 \\ + 87 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 47 \\ + 52 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 34 \\ + 45 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 41 \\ + 58 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 34 \\ + 24 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 54 \\ + 13 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 46 \\ + 31 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 15 \\ + 22 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 76 \\ + 23 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 45 \\ + 24 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 26 \\ + 62 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 71 \\ + 26 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 83 \\ + 11 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 64 \\ + 34 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 27 \\ + 72 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 38 \\ + 54 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 17 \\ + 42 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 61 \\ + 38 \\ \hline \text{.....} \end{array}$$

$$\begin{array}{r} 72 \\ + 27 \\ \hline \text{.....} \end{array}$$

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Zihinden Toplama İşlemi-7



Bilgi: Toplanan sayılardan büyük olan sayı, küçük olan sayıdan birlik alınarak 10'un katına tamamlanır. Geriye kalan birlikler üzerine eklenir.

$$\begin{array}{r} 5 \\ \text{15} + \text{8} = ? \\ \text{20} + \text{3} = 23 \end{array} \quad \begin{array}{r} 15 \\ + 8 \\ \hline 23 \end{array}$$

Aşağıdaki çıkarma işlemlerini örnekteki gibi yapalım.

$$\begin{array}{r} 1 \\ \text{19} + \text{5} = ? \\ \text{20} + \text{4} = 24 \end{array} \quad \begin{array}{r} \dots \\ 28 + 7 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 17 + 4 = ? \\ \dots + \dots = \dots \end{array}$$

$$\begin{array}{r} \dots \\ 36 + 5 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 27 + 7 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 38 + 9 = ? \\ \dots + \dots = \dots \end{array}$$

$$\begin{array}{r} \dots \\ 17 + 5 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 26 + 8 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 35 + 7 = ? \\ \dots + \dots = \dots \end{array}$$

$$\begin{array}{r} \dots \\ 26 + 9 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 18 + 7 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 25 + 7 = ? \\ \dots + \dots = \dots \end{array}$$

$$\begin{array}{r} \dots \\ 38 + 6 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 27 + 8 = ? \\ \dots + \dots = \dots \end{array} \quad \begin{array}{r} \dots \\ 19 + 6 = ? \\ \dots + \dots = \dots \end{array}$$

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Zihinden Toplama İşlemi-8



Aşağıdaki toplama işlemlerini yapalım.

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 29 + 3 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 37 + 6 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 18 + 5 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 39 + 7 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 25 + 9 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 38 + 5 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 16 + 9 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 19 + 2 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 27 + 6 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 39 + 5 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 27 + 8 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 18 + 7 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 29 + 3 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 35 + 6 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 16 + 5 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 17 + 7 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 28 + 8 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 39 + 9 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 19 + 8 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 28 + 7 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$

$$\begin{array}{r} \text{....} \\ \curvearrowright \\ 37 + 6 = ? \\ \text{....} + \text{....} = \text{....} \end{array}$$