

Naam: _____

datum: _____

Optellen en aftrekken tot 100 zonder brug.

Deel 1: T + T

1. Kleur en los op.

$30 + 20 = \square$

tiennen	enen

$$\begin{aligned} 30 + 20 &= 3T + 2T \\ &= 5T \\ &= 50 \end{aligned}$$

$60 + 20 = \square$

tiennen	enen

$$\begin{aligned} \square + \square &= \square + \square \\ &= \square \\ &= \square \end{aligned}$$

$$40 + 10 = \square$$

tienden	enen

$$\square + \square = \square + \square$$

$$= \square$$

$$= \square$$

$$80 + 20 = \square$$

tienden	enen

$$\square + \square = \square + \square$$

$$= \square$$

$$= \square$$

$$70 + 10 = \square$$

tienden	enen

$$\square + \square = \square + \square$$

$$= \square$$

$$= \square$$

2. Los op.

$\begin{aligned} 40 + 30 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$	$\begin{aligned} 70 + 10 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$
$\begin{aligned} 20 + 10 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$	$\begin{aligned} 20 + 70 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$
$\begin{aligned} 60 + 30 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$	$\begin{aligned} 80 + 20 &= \square + \square \\ &= \square \\ &= \square \end{aligned}$

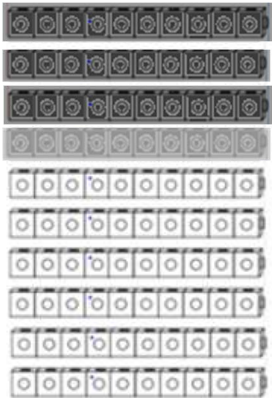
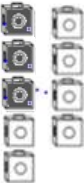
3. Los op.

$70 + 10 = \square$	$10 + 60 = \square$
$80 + 0 = \square$	$90 + 10 = \square$
$20 + 30 = \square$	$40 + 30 = \square$

Deel 2: TE + T

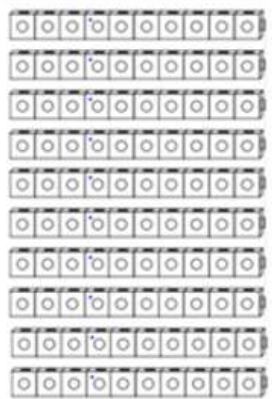
1. Kleur en los op.

$$33 + 10 = \boxed{43}$$

tiennen	enen
	

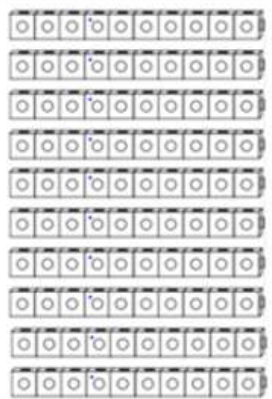
$$\begin{array}{l}
 \boxed{33} + \boxed{10} = \boxed{3} + \boxed{30} + \boxed{10} \\
 \begin{array}{c} \diagup \quad \diagdown \\ \boxed{3} \quad \boxed{30} \end{array} \\
 = \boxed{3} + \boxed{40} \\
 = \boxed{43}
 \end{array}$$

$$75 + 20 = \boxed{}$$

tiennen	enen
	

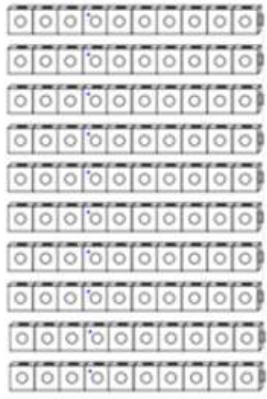
$$\begin{array}{l}
 \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\
 \begin{array}{c} \diagup \quad \diagdown \\ \boxed{} \quad \boxed{} \end{array} \\
 = \boxed{} + \boxed{} \\
 = \boxed{}
 \end{array}$$

$$56 + 30 = \boxed{}$$

tiennen	enen
	

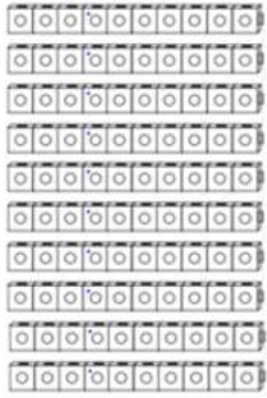
$$\begin{array}{l}
 \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\
 \begin{array}{c} \diagup \quad \diagdown \\ \boxed{} \quad \boxed{} \end{array} \\
 = \boxed{} + \boxed{} \\
 = \boxed{}
 \end{array}$$

$$38 + 20 = \boxed{}$$

tienen	enen
	

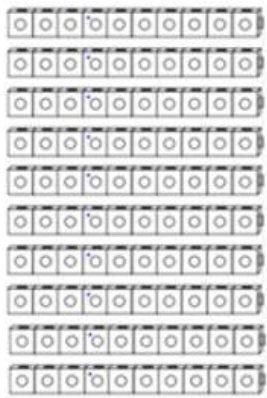
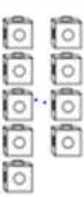
$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \begin{array}{c} \boxed{} \quad \boxed{} \\ \diagup \quad \diagdown \end{array} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$42 + 20 = \boxed{}$$

tienen	enen
	

$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \begin{array}{c} \boxed{} \quad \boxed{} \\ \diagup \quad \diagdown \end{array} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$29 + 40 = \boxed{}$$

tienen	enen
	

$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \begin{array}{c} \boxed{} \quad \boxed{} \\ \diagup \quad \diagdown \end{array} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

2. Los op.

$55 + 20 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$	$86 + 10 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$
$27 + 30 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$	$12 + 60 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$
$28 + 40 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$	$77 + 20 = \square + \square + \square$ $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ \square \quad \square \end{array}$ $= \square + \square$ $= \square$

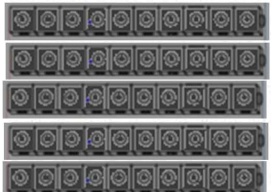
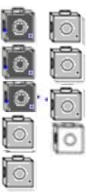
3. Los op.

$84 + 10 = \square$	$35 + 30 = \square$
$22 + 70 = \square$	$78 + 10 = \square$
$41 + 50 = \square$	$34 + 40 = \square$

Deel 3: TE + E

1. Kleur en los op.

$$53 + 5 = 58$$

tienden	enen
	
	

$$\begin{array}{l}
 53 + 5 = 50 + 5 + 3 \\
 \begin{array}{cc} 50 & 3 \end{array} \\
 = 50 + 8 \\
 = 58
 \end{array}$$

$$94 + 4 = \square$$

tienden	enen
	
	

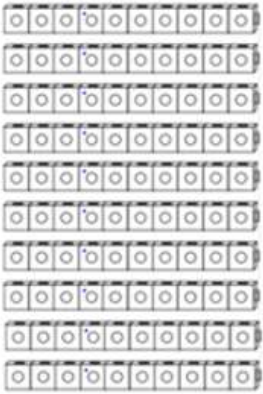
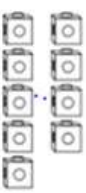
$$\begin{array}{l}
 \square + \square = \square + \square + \square \\
 \begin{array}{cc} \square & \square \end{array} \\
 = \square + \square \\
 = \square
 \end{array}$$

$$36 + 1 = \square$$

tienden	enen
	
	

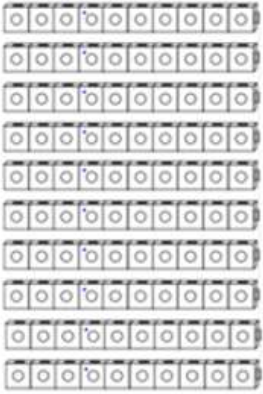
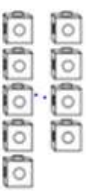
$$\begin{array}{l}
 \square + \square = \square + \square + \square \\
 \begin{array}{cc} \square & \square \end{array} \\
 = \square + \square \\
 = \square
 \end{array}$$

$$67 + 2 = \boxed{}$$

tiennen	enen
	

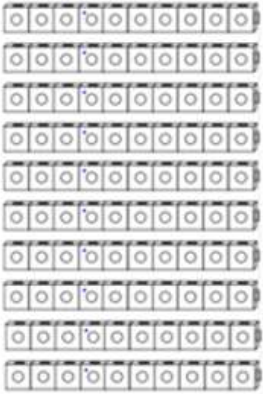
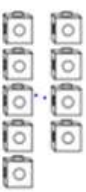
$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \boxed{} \quad \boxed{} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$42 + 6 = \boxed{}$$

tiennen	enen
	

$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \boxed{} \quad \boxed{} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$83 + 6 = \boxed{}$$

tiennen	enen
	

$$\begin{array}{l} \boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} \\ \boxed{} \quad \boxed{} = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

2. Los op.

$54 + 4 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$	$91 + 3 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$
$73 + 2 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$	$36 + 2 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$
$82 + 5 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$	$63 + 6 = \square + \square + \square$ $\begin{array}{c} \square \quad \square \\ \diagup \quad \diagdown \end{array}$ $= \square + \square$ $= \square$

3. Los op.

$94 + 2 = \square$	$55 + 3 = \square$
$82 + 6 = \square$	$48 + 1 = \square$
$71 + 5 = \square$	$34 + 2 = \square$

Deel 4: Optellen tot 100 zonder brug.

1. Los op.

$64 + 2 = \square$

$72 + 20 = \square$

$50 + 10 = \square$

$100 + 0 = \square$

$55 + 3 = \square$

$78 + 10 = \square$

$34 + 20 = \square$

$98 + 1 = \square$

2. Hoeveel punten samen? Vul in.

3. Hoe kun je samen het getal gooien? Kleur en vul in.

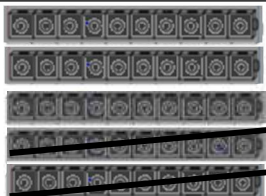
4. Hoe oud zijn ze samen? Schrijf de optelling.

5. Hoeveel kost het samen?

Deel 5: T - T

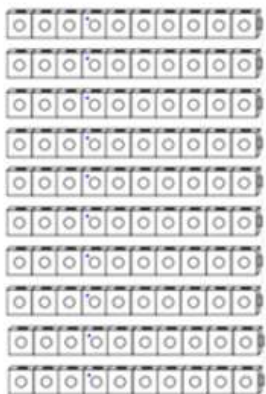
1. Kleur en los op.

$$50 - 20 = \boxed{30}$$

tiennen	enen
	
	

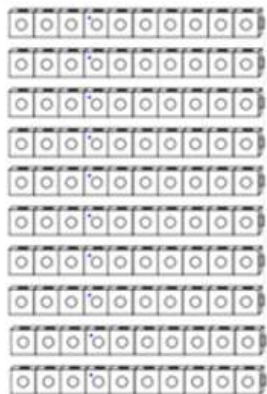
$$\begin{aligned} \boxed{50} - \boxed{20} &= \boxed{5T} - \boxed{2T} \\ &= \boxed{3T} \\ &= \boxed{30} \end{aligned}$$

$$20 - 20 = \boxed{}$$

tiennen	enen
	

$$\begin{aligned} \boxed{} - \boxed{} &= \boxed{} - \boxed{} \\ &= \boxed{} \\ &= \boxed{} \end{aligned}$$

$$40 - 10 = \boxed{}$$

tiennen	enen
	

$$\begin{aligned} \boxed{} - \boxed{} &= \boxed{} - \boxed{} \\ &= \boxed{} \\ &= \boxed{} \end{aligned}$$

$$40 - 30 = \square$$

tienen	enen

$$\square - \square = \square - \square$$

$$= \square$$

$$= \square$$

$$20 - 10 = \square$$

tienen	enen

$$\square - \square = \square - \square$$

$$= \square$$

$$= \square$$

$$30 - 20 = \square$$

tienen	enen

$$\square - \square = \square - \square$$

$$= \square$$

$$= \square$$

2. Los op.

$40 - 10 = \square - \square$ $= \square$ $= \square$	$70 - 50 = \square - \square$ $= \square$ $= \square$
$100 - 30 = \square - \square$ $= \square$ $= \square$	$80 - 20 = \square - \square$ $= \square$ $= \square$
$90 - 20 = \square - \square$ $= \square$ $= \square$	$50 - 40 = \square - \square$ $= \square$ $= \square$

3. Los op.

$80 - 10 = \square$	$80 - 60 = \square$
$40 - 30 = \square$	$100 - 50 = \square$
$70 - 30 = \square$	$70 - 40 = \square$

Deel 6: TE - T

1. Kleur en los op.

$$43 - 10 = \boxed{33}$$

tiennen	enen

$$\begin{array}{l} \boxed{43} - \boxed{10} = \boxed{3} + \boxed{40} - \boxed{10} \\ \quad \swarrow \quad \searrow \\ \boxed{3} \quad \boxed{40} \\ = \boxed{3} + \boxed{30} \\ = \boxed{33} \end{array}$$

$$35 - 20 = \boxed{}$$

tiennen	enen

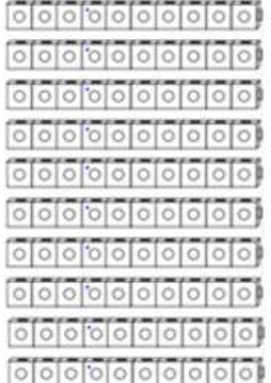
$$\begin{array}{l} \boxed{} - \boxed{} = \boxed{} + \boxed{} - \boxed{} \\ \quad \swarrow \quad \searrow \\ \boxed{} \quad \boxed{} \\ = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$26 - 20 = \boxed{}$$

tiennen	enen

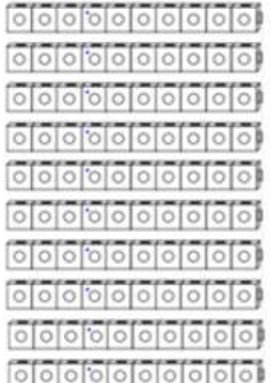
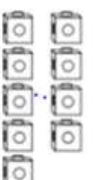
$$\begin{array}{l} \boxed{} - \boxed{} = \boxed{} + \boxed{} - \boxed{} \\ \quad \swarrow \quad \searrow \\ \boxed{} \quad \boxed{} \\ = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$38 - 20 = \square$$

tiennen	enen
	

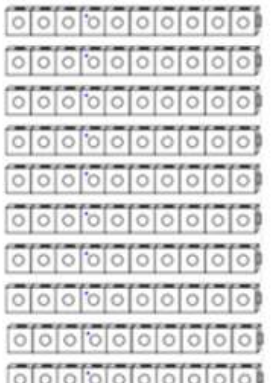
$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \square \\ \swarrow \quad \searrow \end{array} \quad \blacksquare = \square + \blacksquare \\ = \square \end{array}$$

$$32 - 20 = \square$$

tiennen	enen
	

$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \square \\ \swarrow \quad \searrow \end{array} \quad \blacksquare = \square + \blacksquare \\ = \square \end{array}$$

$$29 - 10 = \square$$

tiennen	enen
	

$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \square \\ \swarrow \quad \searrow \end{array} \quad \blacksquare = \square + \blacksquare \\ = \square \end{array}$$

4. Los op.

$94 - 50 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$36 - 20 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$
$47 - 40 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$27 - 10 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$
$84 - 60 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$68 - 30 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$

5. Los op.

$34 - 10 = \square$	$75 - 30 = \square$
$82 - 10 = \square$	$88 - 40 = \square$
$61 - 20 = \square$	$94 - 50 = \square$

Deel 7: TE - E

1. Kleur en los op.

$$28 - 5 = \boxed{23}$$

tiennen	enen

$$\begin{array}{l} \boxed{28} - \boxed{5} = \boxed{20} + \boxed{8} - \boxed{5} \\ \swarrow \quad \searrow \\ \boxed{20} \quad \boxed{8} \\ = \boxed{20} + \boxed{3} \\ = \boxed{23} \end{array}$$

$$44 - 4 = \boxed{}$$

tiennen	enen

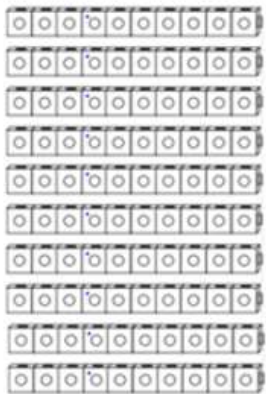
$$\begin{array}{l} \boxed{} - \boxed{} = \boxed{} + \boxed{} - \boxed{} \\ \swarrow \quad \searrow \\ \boxed{} \quad \boxed{} \\ = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$86 - 3 = \boxed{}$$

tiennen	enen

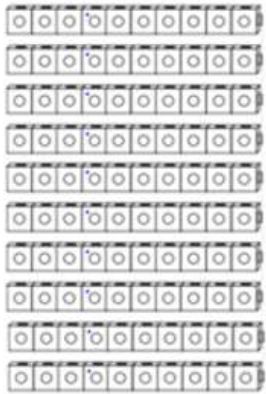
$$\begin{array}{l} \boxed{} - \boxed{} = \boxed{} + \boxed{} - \boxed{} \\ \swarrow \quad \searrow \\ \boxed{} \quad \boxed{} \\ = \boxed{} + \boxed{} \\ = \boxed{} \end{array}$$

$$97 - 6 = \square$$

tiennen	enen
	

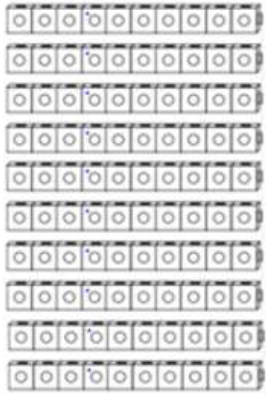
$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \diagup \quad \diagdown \\ \square \quad \blacksquare \end{array} = \square + \blacksquare \\ = \square \end{array}$$

$$38 - 6 = \square$$

tiennen	enen
	

$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \diagup \quad \diagdown \\ \square \quad \blacksquare \end{array} = \square + \blacksquare \\ = \square \end{array}$$

$$79 - 6 = \square$$

tiennen	enen
	

$$\begin{array}{l} \square - \blacksquare = \square + \blacksquare - \blacksquare \\ \begin{array}{c} \diagup \quad \diagdown \\ \square \quad \blacksquare \end{array} = \square + \blacksquare \\ = \square \end{array}$$

4. Los op.

$77 - 6 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$56 - 4 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$
$36 - 5 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$85 - 3 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$
$92 - 2 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$	$34 - 2 = \square + \square - \square$ $\square \quad \square = \square + \square$ $= \square$

5. Los op.

$84 - 2 = \square$	$45 - 3 = \square$
$66 - 6 = \square$	$58 - 1 = \square$
$89 - 5 = \square$	$94 - 2 = \square$

Deel 8: Aftrekken tot 100 zonder brug.

1. Los op.

$84 - 2 = \square$

$72 - 20 = \square$

$50 - 30 = \square$

$66 - 6 = \square$

$45 - 3 = \square$

$100 - 10 = \square$

$14 - 2 = \square$

$28 - 1 = \square$

2. Lees, kleur en los op.

Julia heeft een doosje met 28 bonbons gekregen. Ze eet er 6 op.
Hoeveel bonbons heeft ze nog over?

$\square = \square$

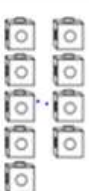
Julia heeft nog $\square$ bonbons over.

tienden	enen
	

Flip heeft 20 knikkers gespaard. Tanja heeft er 68.
Hoeveel knikkers moet Flip nog sparen om evenveel knikkers te hebben als Tanja?

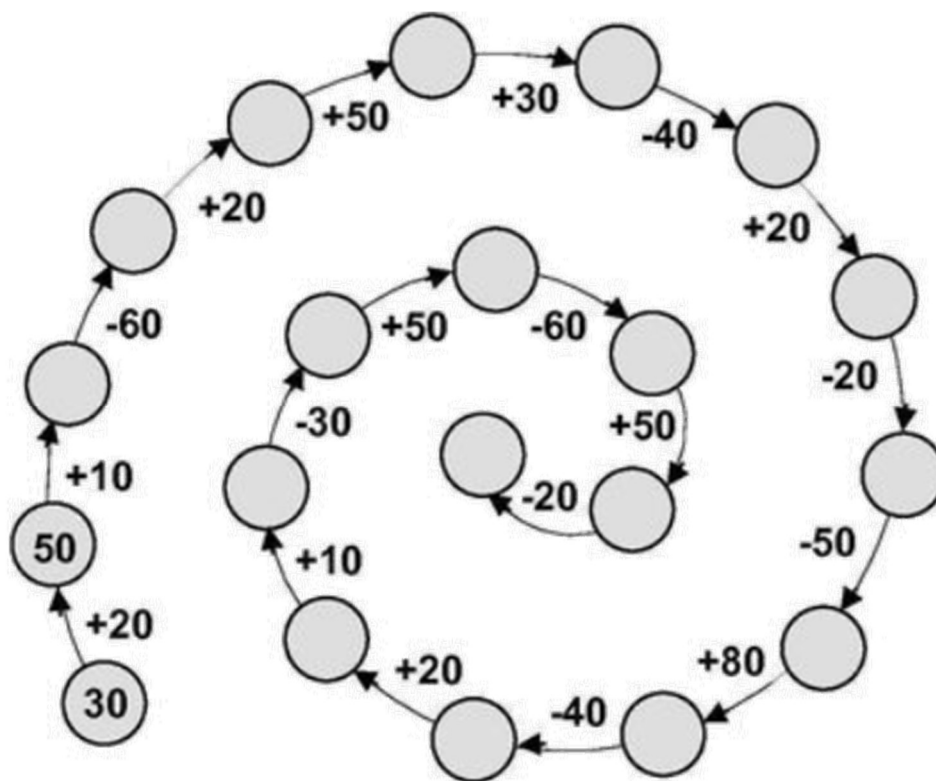
$\square = \square$

Flip moet nog $\square$ knikkers sparen.

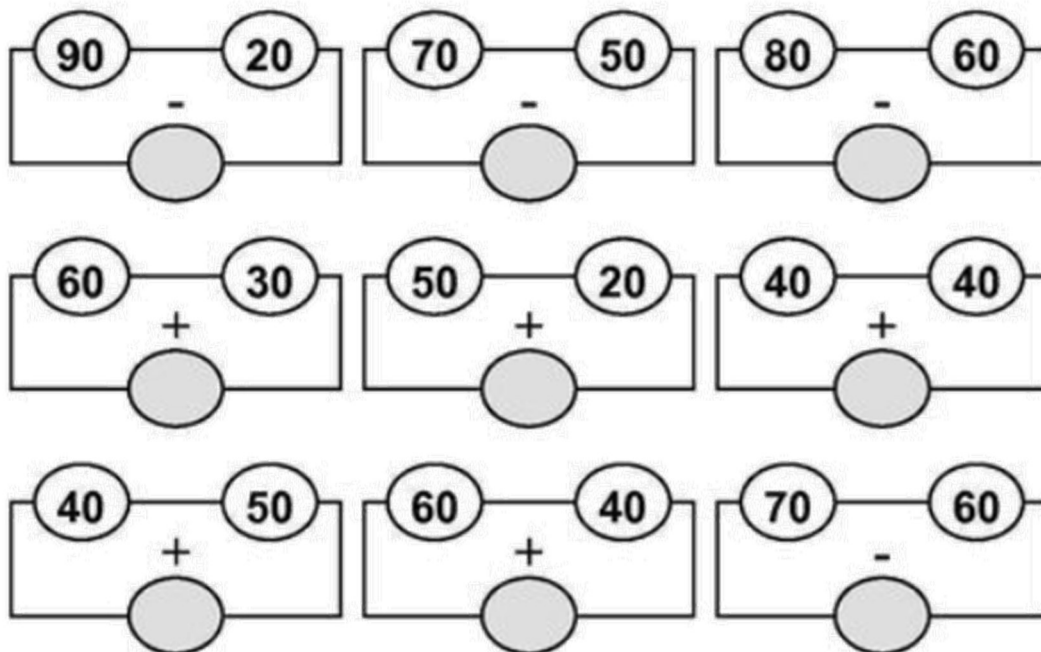
tienden	enen
	

Deel 9: Optellen en aftrekken tot 100 zonder brug.

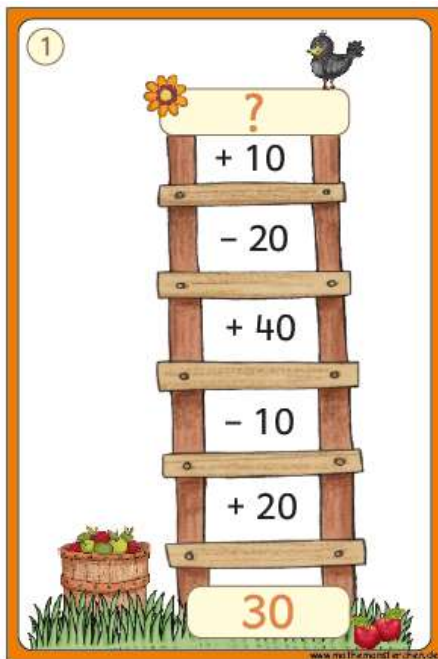
1. Los op.



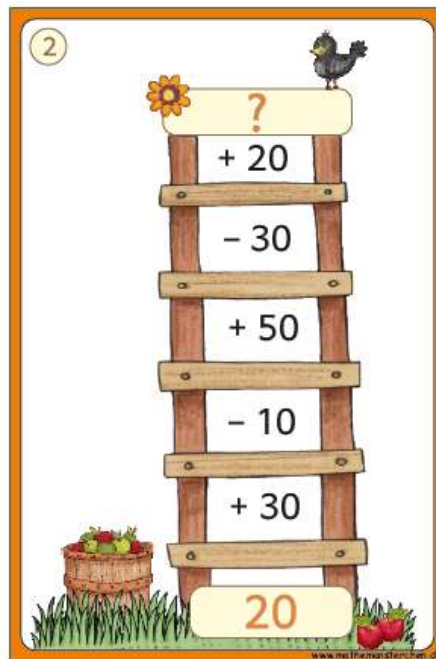
2. Los op.



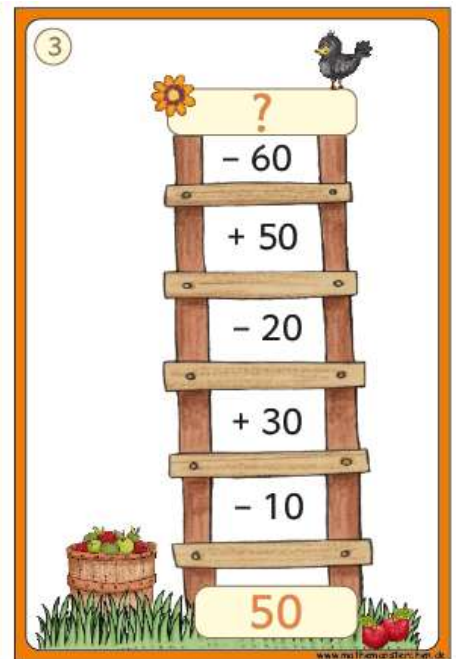
4. Los de ladders op.



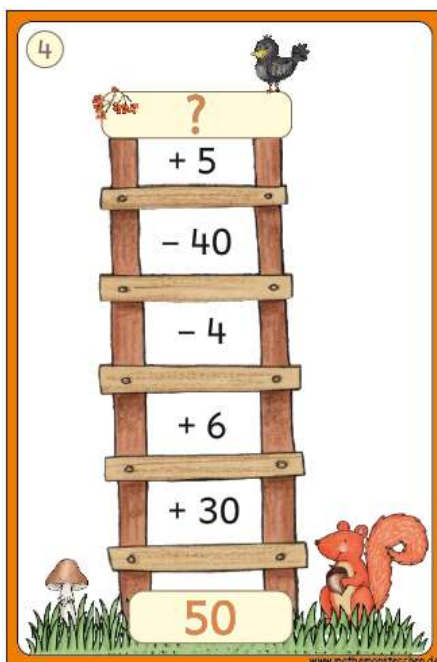
$$? = \square$$



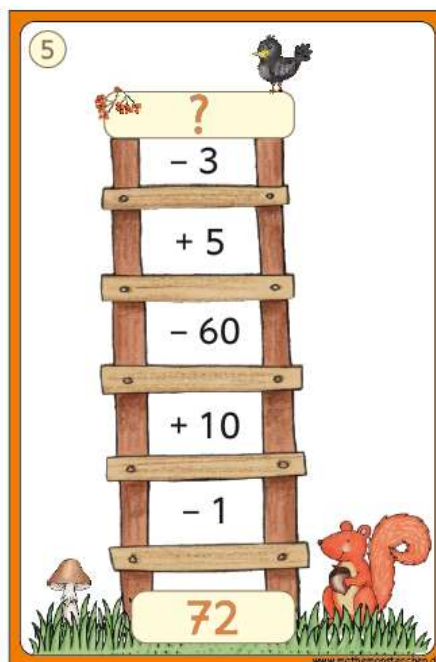
$$? = \square$$



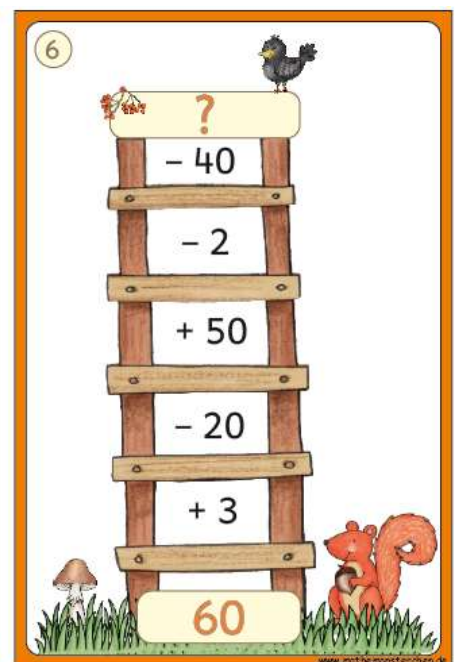
$$? = \square$$



$$? = \square$$



$$? = \square$$



$$? = \square$$

5. Los op.

$34 - 2 = \square$

$22 - 20 = \square$

$10 + 30 = \square$

$36 - 6 = \square$

$20 + 20 = \square$

$36 - 30 = \square$

$25 + 3 = \square$

$30 - 10 = \square$

$14 + 2 = \square$

$38 - 1 = \square$

$40 - 40 = \square$

$36 + 3 = \square$