LEARNING AREA **MATHEMATICS**

GRADE 1

module

6

NUMBER FUN

MODULE FRAMEWORK EN ASSESSMENT SHEET

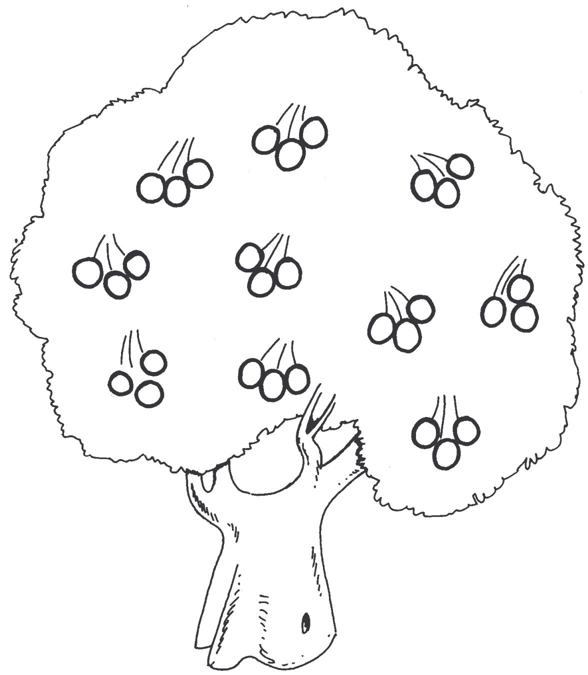
LEARNING OUTCOMES (LOs)	ASSESSMENT STANDARDS (ASs)	FORMATIVE ASSESSMENT ASs Pages	(mark out of 4)	LOs (ave out of 4)	SUMMATIVE ASSESSMENT Tasks or tests (%)	Ave for LO (% and mark out of 4)
LO 1 **NUMBERS, OPERATIONS AND RELATIONSHIPS** The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.	***We know this when the learner:***					
	1.1 counts to at least 34 everyday objects reliably;	1, 2				
	1.2 counts forward and backwards in:	4, 12, 15, 21				
	1.2.1 ones from any number;					
	1.2.2 tens from any multiple of 10 between 0 and 100;					
	1.3 knows and reads number symbols form 1 to at least 100 and writes number names from 1 to at least 34;	3				
	1.4 orders, describes and compares whole numbers to at least 2-digit numbers;	3, 17				
	1.5 solves money problems involving totals and change in rands and cents;	6, 11				
	1.6 solves and explains solutions to practical problems that involve equal sharing and grouping with whole numbers to at least 34 and with solutions that include remainders;	3, 8				

LEARNING OUTCOMES (LOs)	ASSESSMENT STANDARDS (ASs)	FORMATIVE ASSESSMENT ASs Pages	(mark out of 4)	LOs (ave out of 4)	SUMMATIVE ASSESSMENT Tasks or tests (%)	Ave for LO (% and mark out of 4)
	1.7 can perform calculations, using appropriate symbols, to solve problems involving:	4, 10, 17, 18, 19				
	1.7.1 addition and subtraction with whole numbers and solutions to at least 34;					
	1.7.2 repeated addition with whole numbers and with solutions to at least 34;					
	1.7.3 estimation;					
	1.8 performs mental calculations involving addition and subtraction for numbers to at least 10;	2, 5, 6, 7, 9, 10, 12, 13, 14, 15, 18, 20, 21				
	1.9 uses the following techniques:	3, 12, 13, 14, 16, 20				
	1.9.1 building up and breaking down numbers;					
	1.9.2 doubling and halving;					
	1.9.3 using concrete apparatus (e.g. counters);					
	1.9.4 number-lines.					
	1.10 explains own solutions to problems.	20				

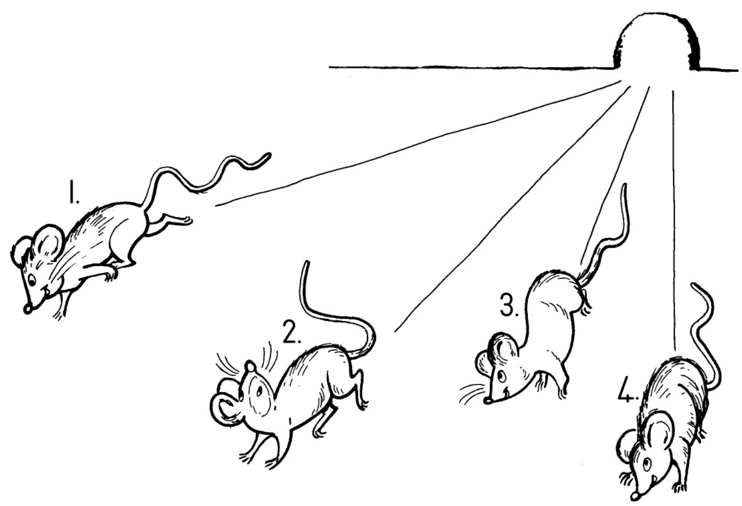
LEARNING OUTCOMES (LOs)	ASSESSMENT STANDARDS (ASs)	FORMATIVE ASSESSMENT ASs Pages	(mark out of 4)	LOs (ave out of 4)	SUMMATIVE ASSESSMENT Tasks or tests (%)	Ave for LO (% and mark out of 4)
LO 2 **PATTERNS, FUNCTIONS AND ALGEBRA** The learner will be able to recognise, describe and represent patterns and relationships, as well as to solve problems using algebraic language and skills.	***We know this when the learner:*** 2.2 copies and extends simple number sequences to at least 100.	2, 10, 18				
LO 3 **SPACE AND SHAPE (GEOMETRY)** The learner will be able to describe and represent characteristics and relationships between two-dimensional shapes and three-dimensional objects in a variety of orientations and positions.	***We know this when the learner:*** 3.1 recognises, identifies and names two-dimensional shapes and three-dimensional objects in the classroom and in pictures, including: 3.1.1 boxes (prisms) and balls (spheres); 3.1.2 triangles and rectangles; 3.1.3 circles.	4, 7, 21				

LEARNING OUTCOMES (LOs)	ASSESSMENT STANDARDS (ASs)	FORMATIVE ASSESSMENT ASs Pages	(mark out of 4)	LOs (ave out of 4)	SUMMATIVE ASSESSMENT Tasks or tests (%)	Ave for LO (% and mark out of 4)
LO 4	***We know this when the learner:***					
MEASUREMENT The learner will be able to use appropriate measuring units, instruments and formulae in a variety of contexts.	4.2 compares events in terms of the length of time they take (longer, shorter, faster, slower);	16				
	4.5 estimates, measures, compares and orders three-dimensional objects using non-standard measures:	1				
	4.5.1 mass (e.g. bricks, sand bags);					
	4.5.2 capacity (e.g. spoons, cups);					
	4.5.3 length (e.g. hand spans, footsteps).					
	4.6 is introduced to the *litre*.	6				

☻ Count the berries ....



☻ There is a mouse in my house!



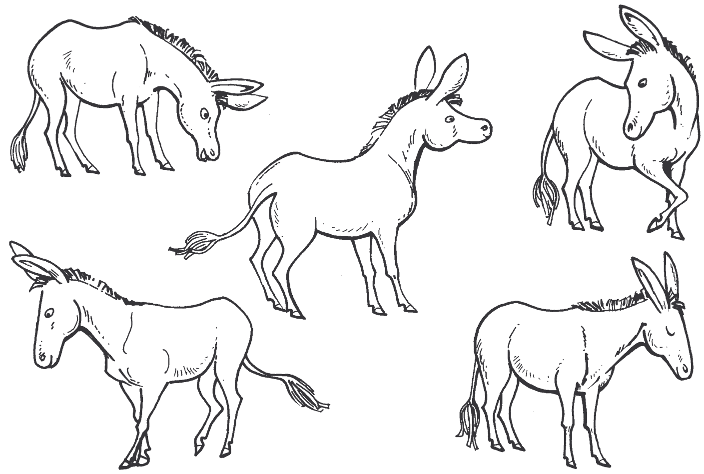
☻ Determine which mouse has run the furthest.

☻ Mark it like this: √.

☻ Determine which mouse is closest to the hole. Mark it like this: X.

☻ What will you use to measure the distance?

LO 1.1		**LO 4.5**	



☻ Count:-

There are ..... donkeys in the field.

There are .... legs.

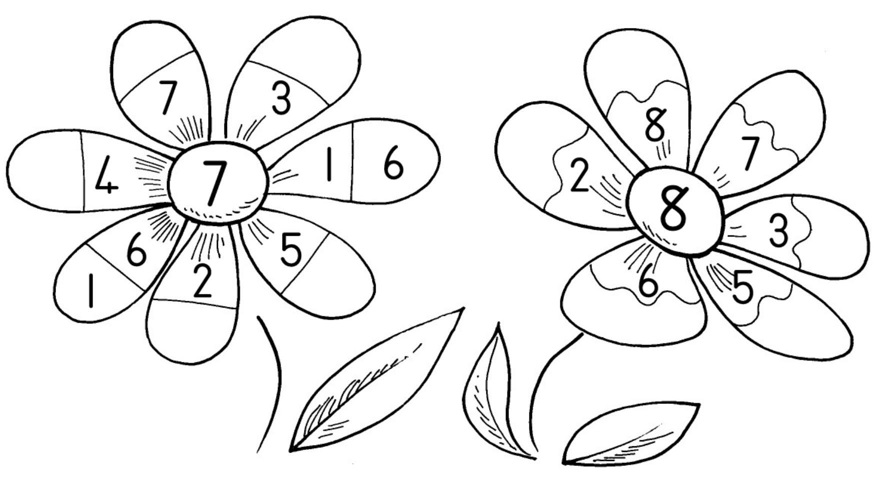
There are .... ears.

There are .... eyes.

There are .... tails.

Count: 4, 8, , 20.

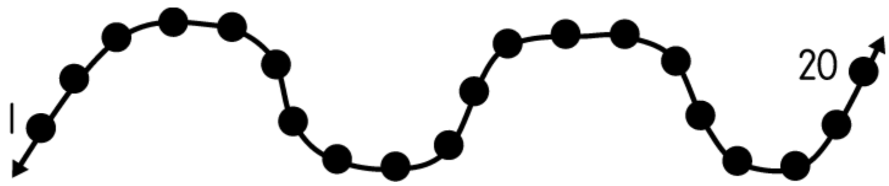
☻ Complete:



LO 1.1		LO 1.8		LO 2.2	

☻ Complete.

☻ Complete the numbers up to 20.



comes before 10

comes before 8

comes before 13

comes before 15

.... comes before 12

.... comes before 11

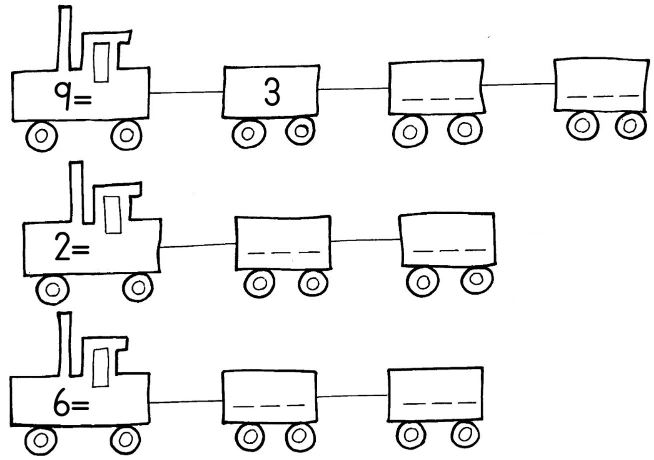
.... comes before 20

.... comes before 17

☻ Write the number name for:

3 three	4	10 ....
6	7	8 ....
1	9	3 ....
2	5	2 ....

☻ Divide equally:



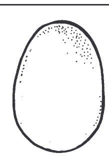
LO 1.3		**LO 1.4**		**LO 1.6**		**LO 1.9**	

☻ There are 3 chickens in the run.
Each one lays 3 eggs.
Now there are ..eggs.

☻ There are 12 eggs in one dozen.
There are eggs in half a dozen.

☻ Count backwards:

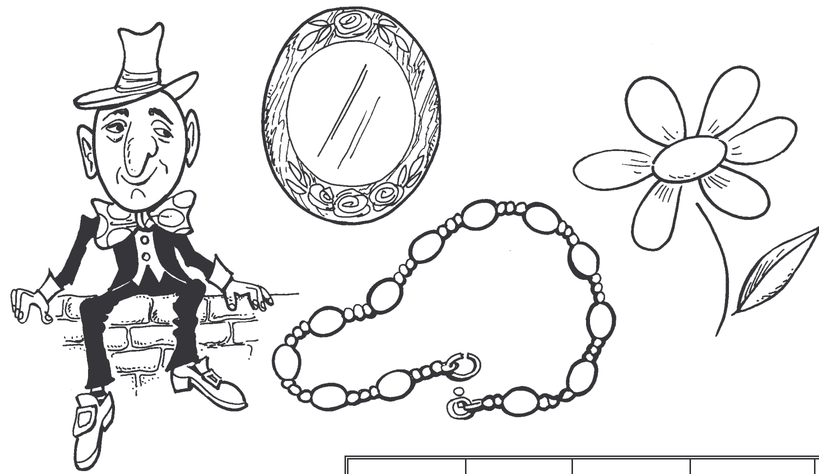
20 19
24 23
12 11
7 6



The shape of this egg is an oval.

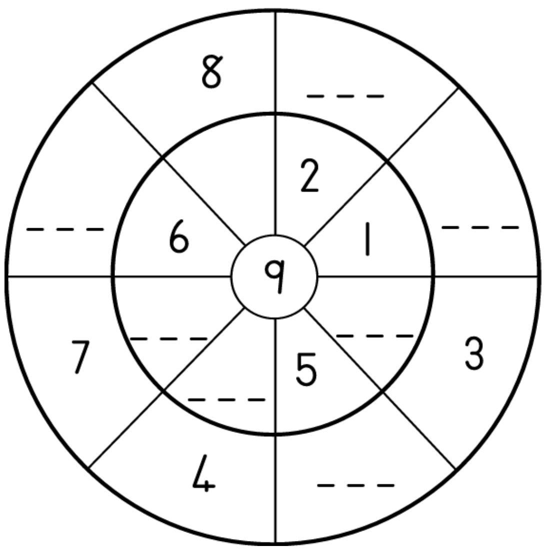
oval

☻ Colour in each oval.



LO		LO		LO	

☻ Complete the bonds of 9.



9 = ...
+

9 =........   + ...

9 = ...   + ...

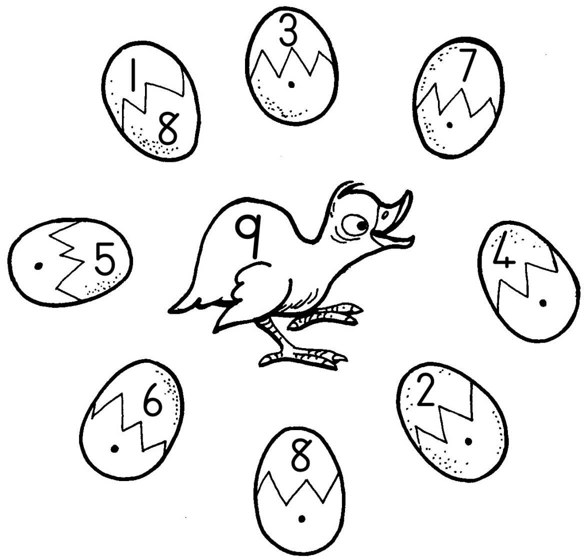
9 =..........   + ...

9 = ...   + ...

9 = ...   + ...

9 = ...   + ...

9 = ...   + ...



1 $\square$ = 9
+ $\square$

8 $\square$ = 9
+ $\square$

4 $\square$ = 9
+ $\square$

3 $\square$ = 9
+ $\square$

2 $\square$ = 9
+ $\square$

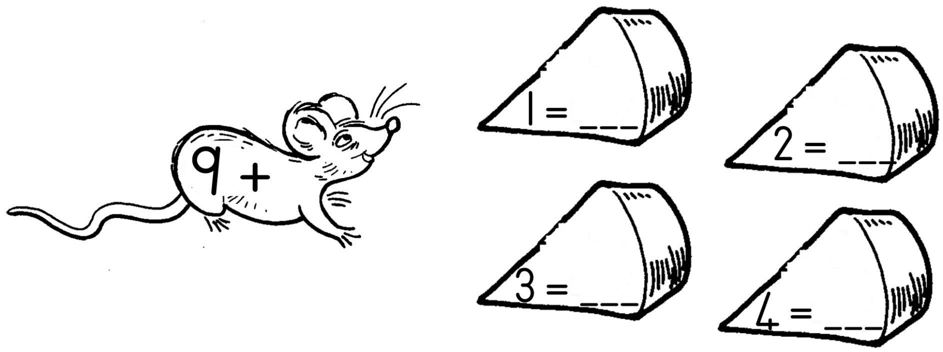
6 $\square$ = 9
+ $\square$

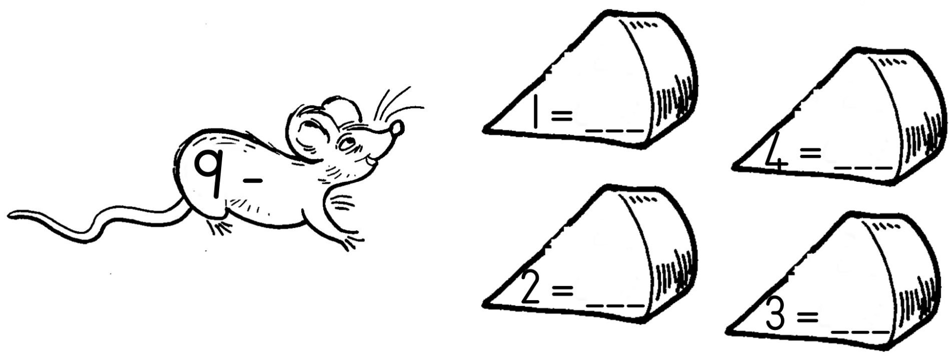
7 $\square$ = 9
+ $\square$

5 $\square$ = 9
+ $\square$

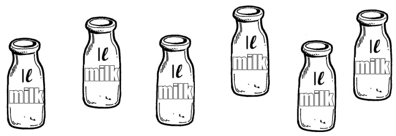
LO 1.8	

☻ The mouse is looking for a piece of cheese:-



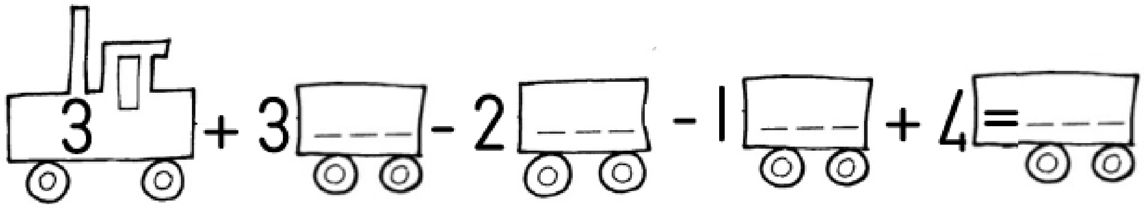


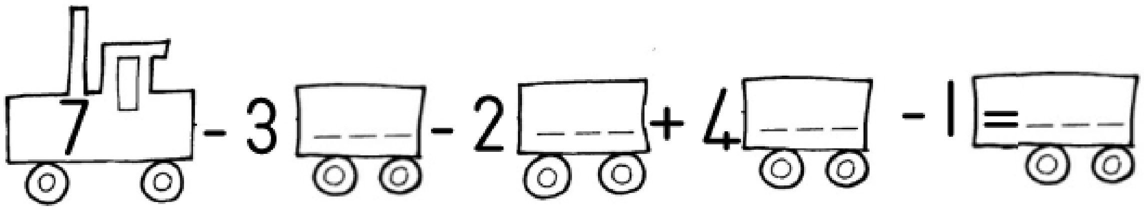
☻ Each bottle contains 1 ℓ of milk.
There are ℓ of milk altogether.
I drink 2ℓ .
Now there are .... ℓ left.
1 ℓ of milk costs R2.00.
I pay R .... for 6 ℓ of milk.



LO 1.8		LO 1.5		LO 4.6	

- Train sums:





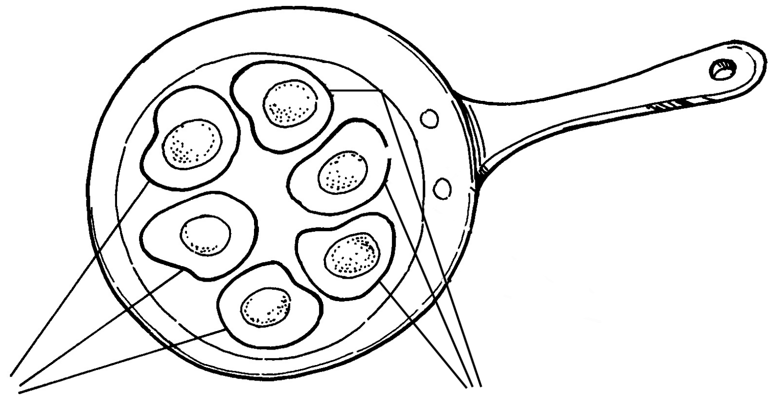
- More train sums.

3 + 4 – 2 = ☐	6 + 1 – 4 = ☐
3 + 4 – 1 = ☐	6 + 2 – 4 = ☐
2 + 4 – 2 = ☐	9 – 3 – 3 = ☐
2 + 2 + 3 = ☐	8 – 4 – 2 = ☐

- Draw a picture. Use □ only O's ▭ 's Δ's and 's.

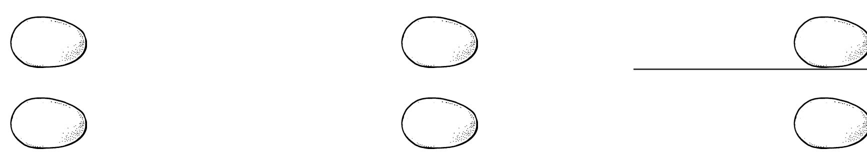
LO 1.8		LO 3.1	

- There are 6 eggs in the pan.



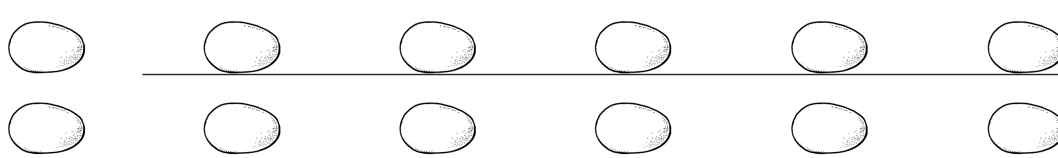
- I get .... and Peter gets ....

- Divide:
  6 eggs among Peter, John and James.



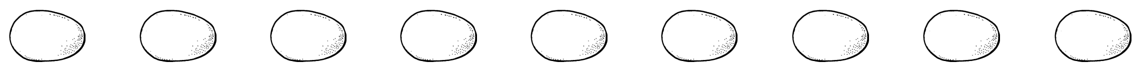
Each one gets ... eggs.

- Divide 12 eggs among 6 children.



Each one gets ..... eggs.

- Divide 9 eggs among 3 children.



Each one gets eggs.

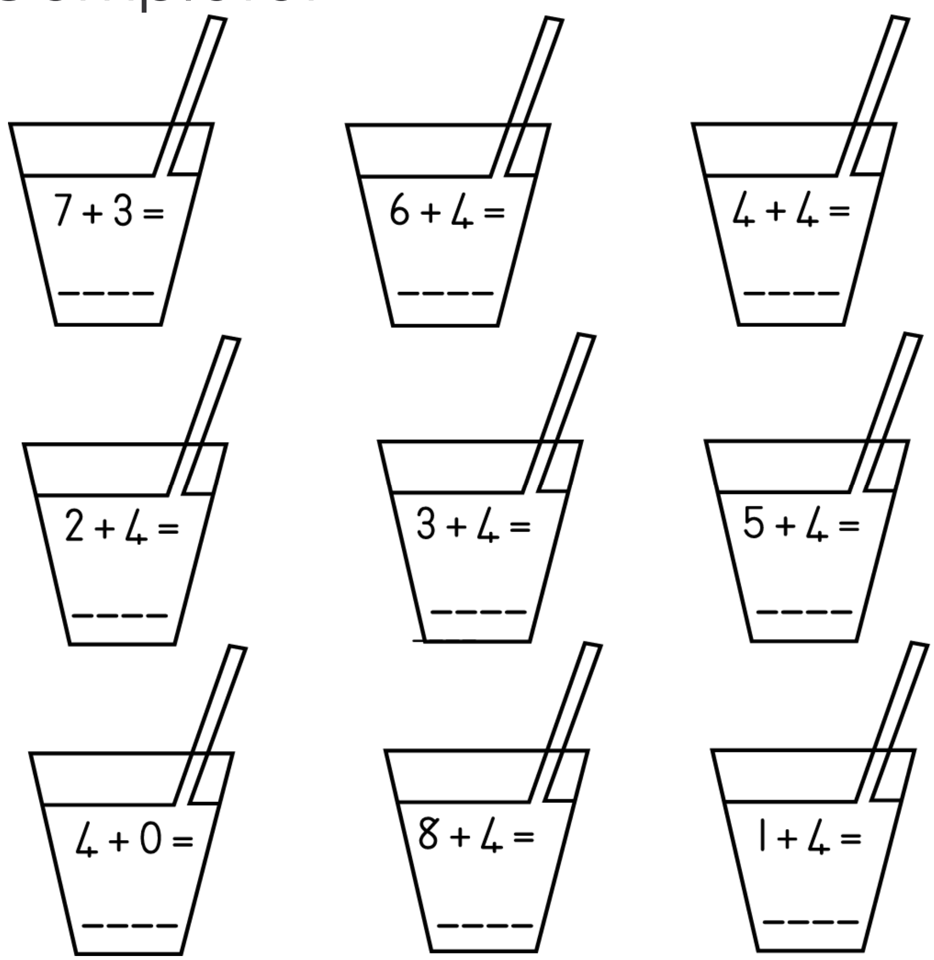
LO 1.6	

☻ Think quickly

	7	8	9	6	3	2	1	4	5
+4	11								

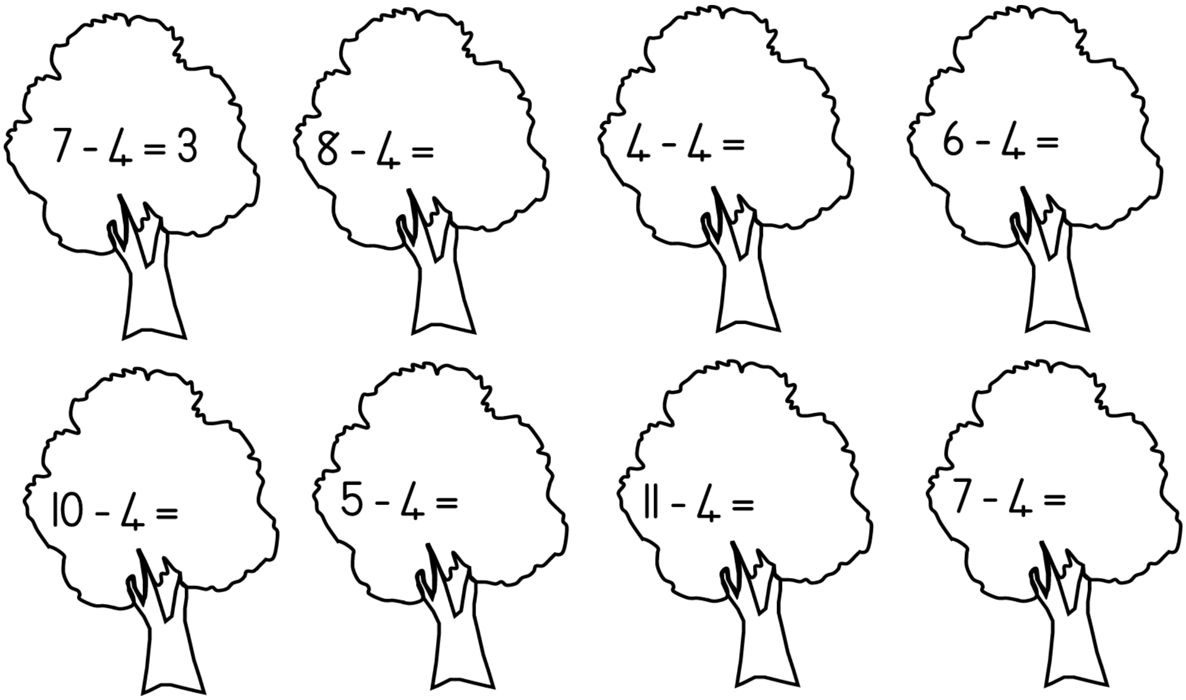
	7	8	9	10	4	5	7	6	8	11
-4										

☻ Complete:



LO 1.8	

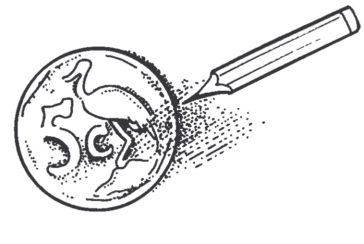
☻ Complete:



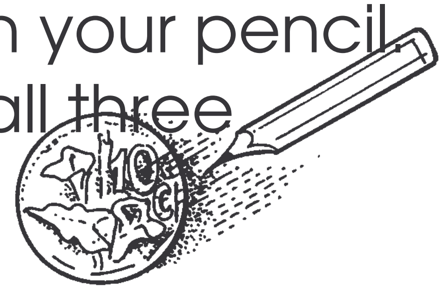
4, 8, ..., , 20, ... , ... ,
32, ..., 40.

LO 1.7		LO 1.8		LO 2.2	

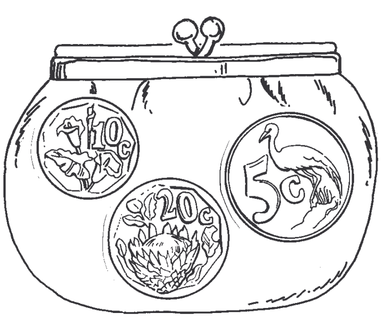
- Take a 1c, 2c and 5c coin and rub them off here with your pencil.
- What do you see on all three coins?



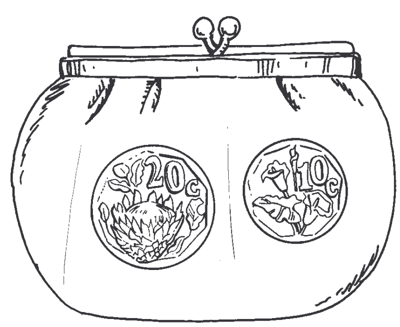
- Take a 10c, 20c and 50c coin and rub them off here with your pencil.
- What do you see on all three coins?



- In my purse I have:



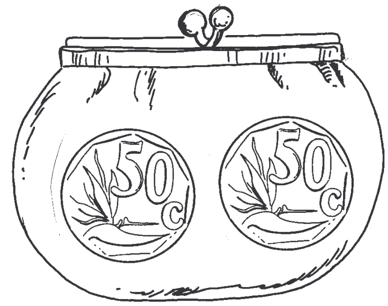
_ _
_c



_ _
_c

_ _

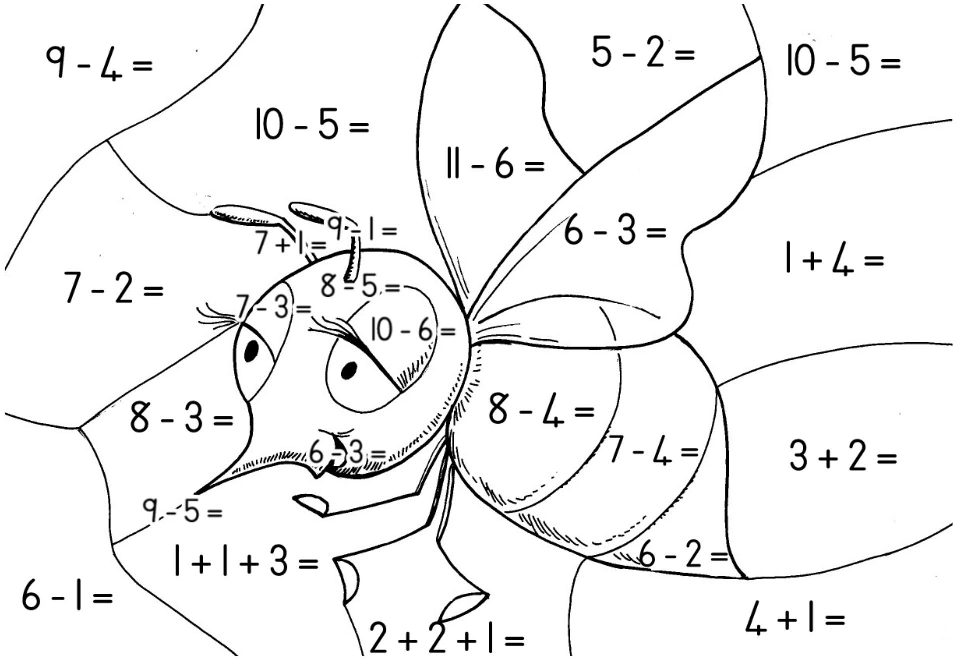
_c



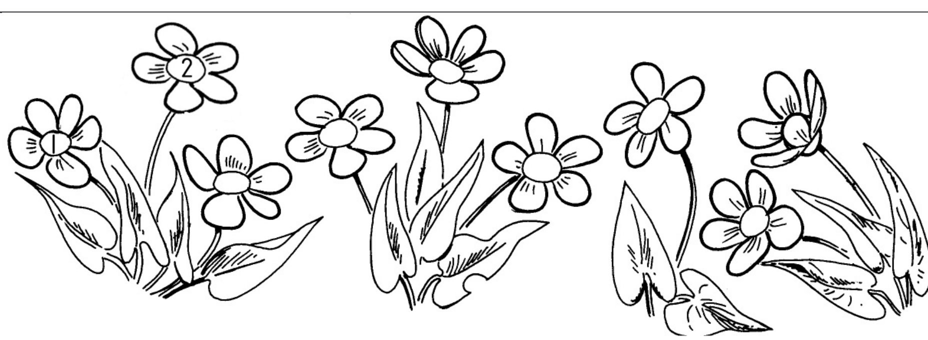
_ _

_c

LO 1.5	



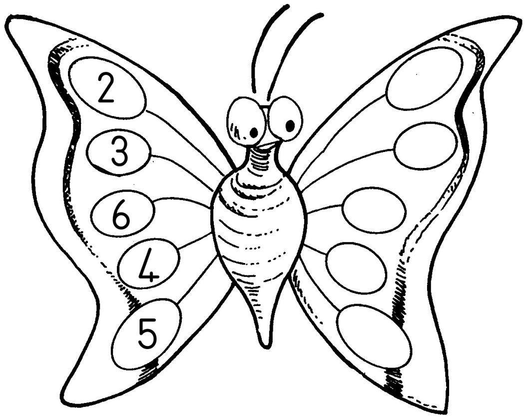
5	4	3	1	8
purple	black	yellow	red	brown



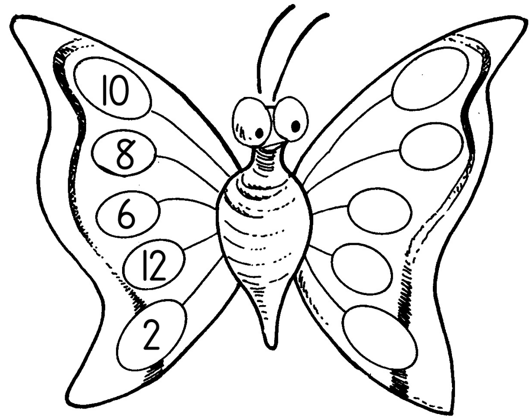
How many flowers? Double them

LO 1.2		LO 1.8		LO 1.9	

☻ Double:



☻ Halve:



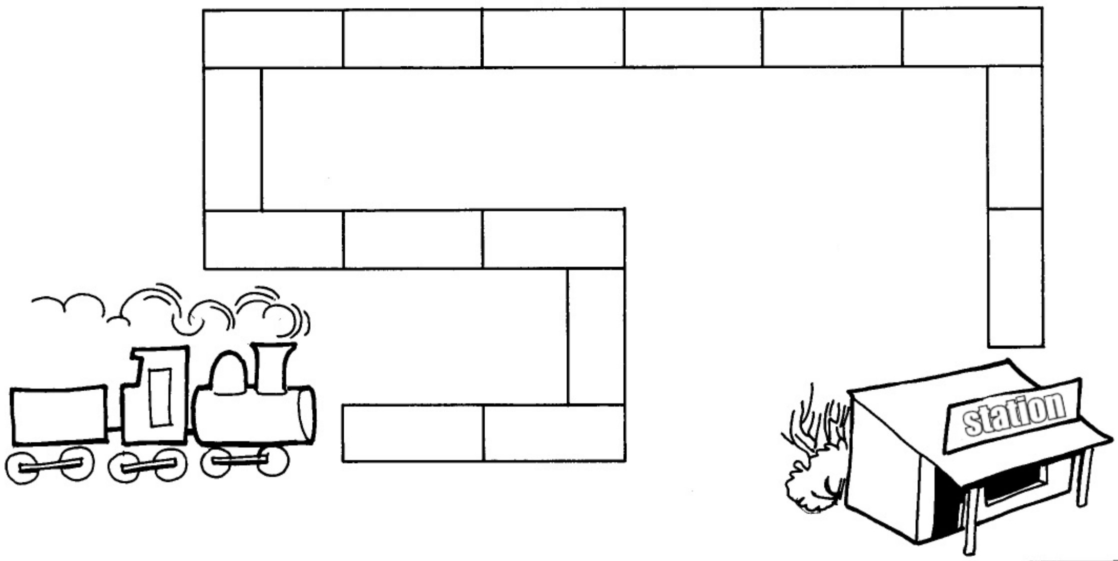
☻ Complete:

	2	3	6	4	7	8
+2						
+3						
+4						

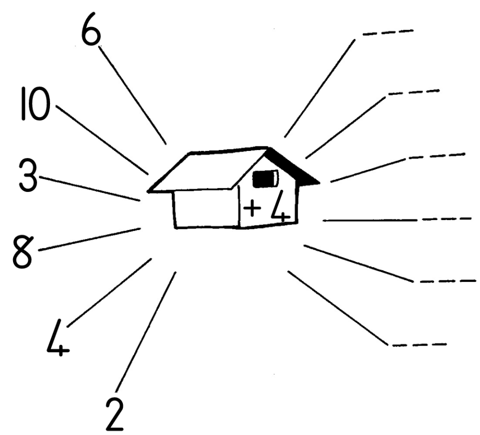
	6	8	9	10	7	5
-2						
-3						
-4						

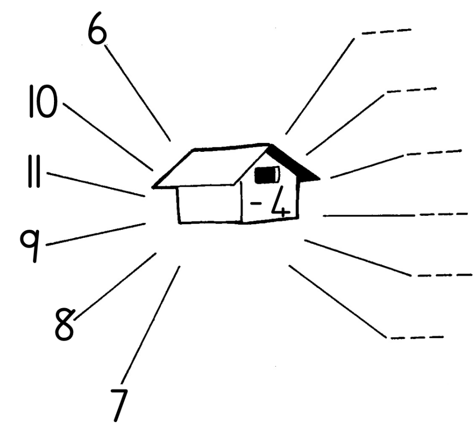
LO 1.8		**LO 1.9**	

☻ Count in 2's.

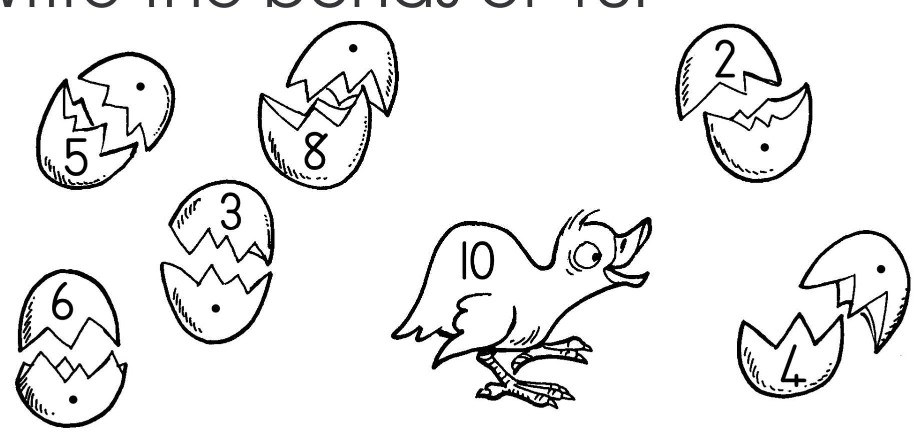


☻ Complete:



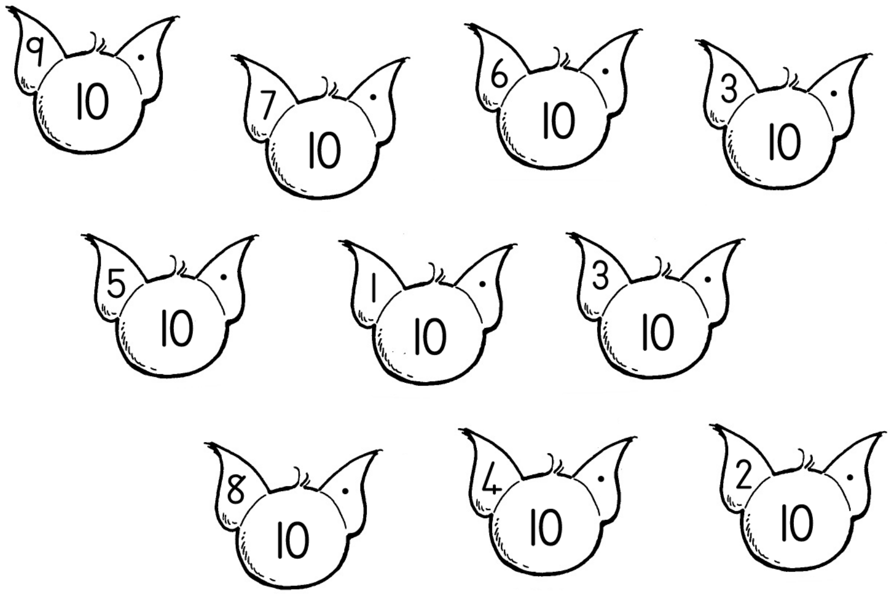


☻ Write the bonds of 10.



LO 1.8		LO 1.9	

- Write the bonds of 10.



- Complete:

10 = ……. + ……… 10 = …… + ……….

10 = ………. + ………. 10 = ……… + ……….

10 = ………. + ………. 10 = ……… + ……….

10 = ………. + ………. 10 = ……… + ……….

- Count: 1, ……., 3, ……., …….,

……., 7, ……., ……., 10, 11.

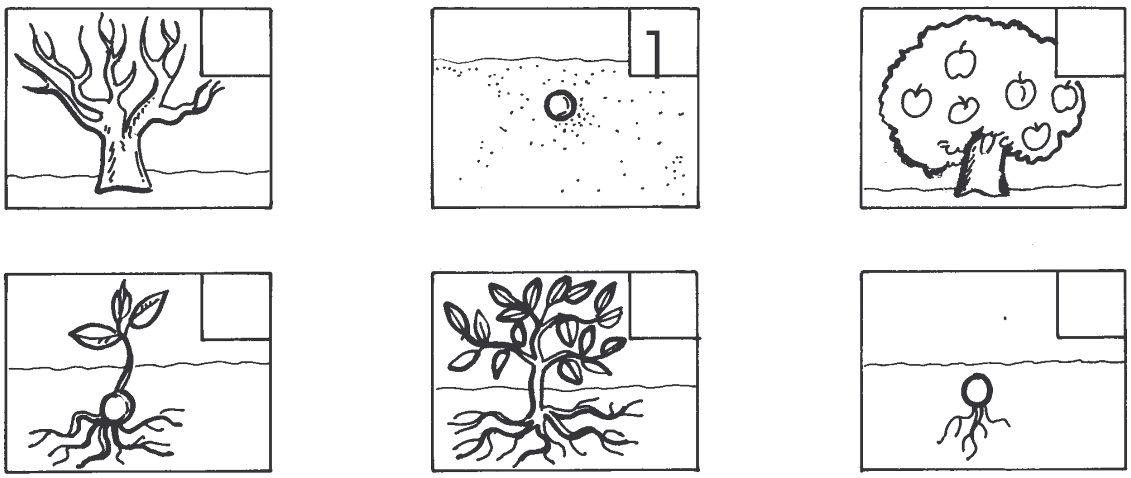
- ………………. comes after ten

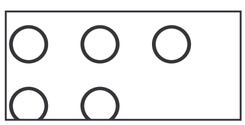
11 eleven 11 --

- Draw 11 kittens.

LO 1.2		LO 1.8	

☻ In which order does the seed grow?





0 11 = 10 + 1

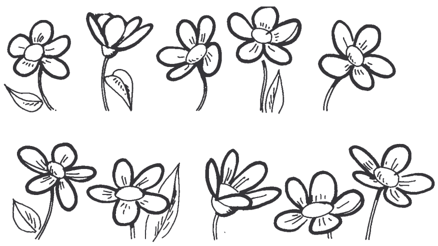
☻ Complete:

12 = 10 + ...
13 = 10 + ..
14 = 10 + .
15 = 10 + ..

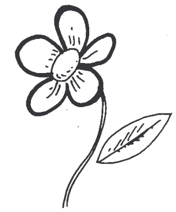
16 = 10 + .
17 = 10 + .
18 = 10 + ..
19 = 10 + .

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

LO 1.9		LO 4.2	



☻ The story of eleven.



☻ The number name of .... is eleven.

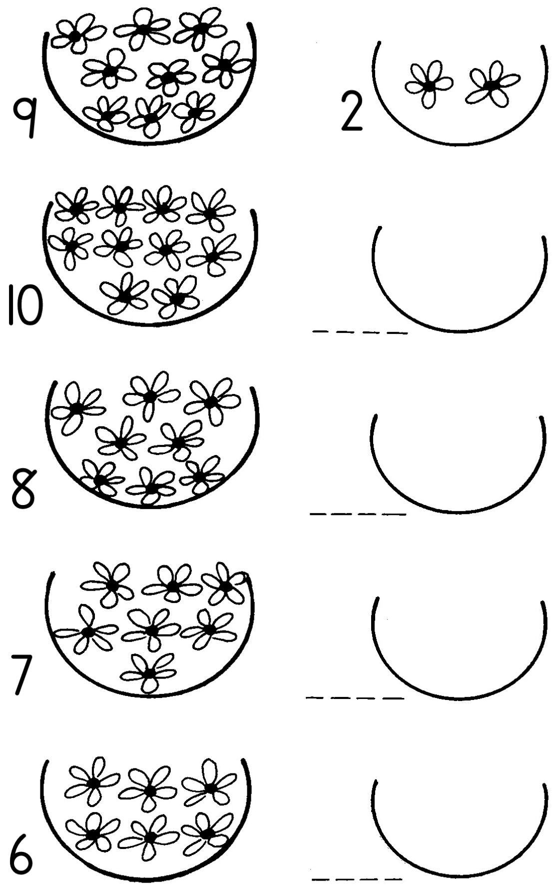
☻ 11 comes before ....

☻ 11 comes after ....

☻ 11 is one less than ....

☻ 11 is one more than ...

☻ 11 is between .. and ....



9 + 2 = 11

10 + ... = 11

8 + ... = 11

7 + ... = 11

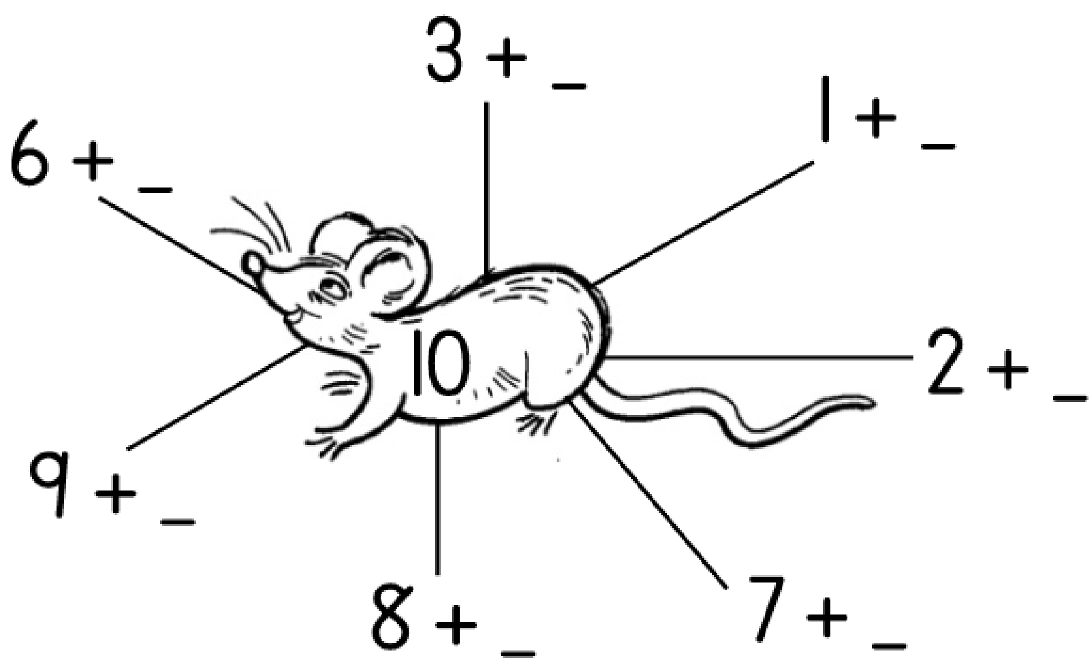
6 +......... = 11

LO 1.4		**LO 1.7**	

☻ Quick quizz:-

10 + 1 = 11	10 + 5 = ...
10 + 2 = ...	10 + 6 = ...
10 + 3 = ...	10 + 7 = ...
10 + 4 = ...	10 + 8 = ...

☻ Complete the bonds of 10.

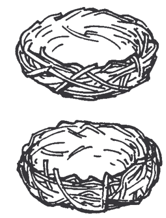


☻ Count:

3, 6, .. , ... , 15, ... , , 24,
, 30.

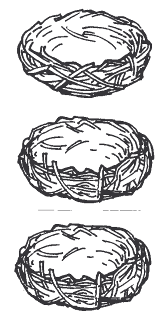
LO 1.7		LO 1.8		LO 2.2	

☻ There are 3 eggs in each nest.
There
are .... eggs.



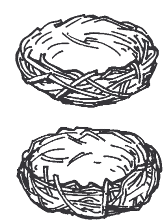
$3 + 3 = \Delta$

☻ There are 2 eggs in each nest.
There are ..... eggs.



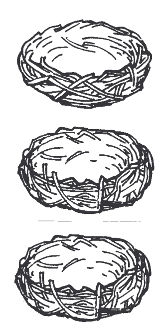
$2 + 2 + 2 = \Delta$

☻ There are 4 chicks in each nest.
There are .. chicks.



$4 + 4 = \Delta$

☻ There are 3 chicks in each nest.
There are ... chicks.



$3 + 3 + 3 = \Delta$

---

4 + 4 + 4 = ..

3 + 3 + 3 = .

2 + 2 + 2 = .

5 + 5 + 5 = .

4 + 4 = ...

3 + 3 = ...

2 + 2 = ...

5 + 5 = ...

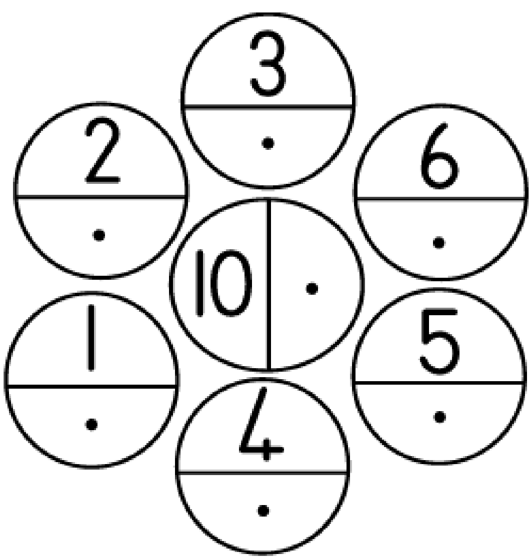
6 + 6 = ...

LO 1.7	

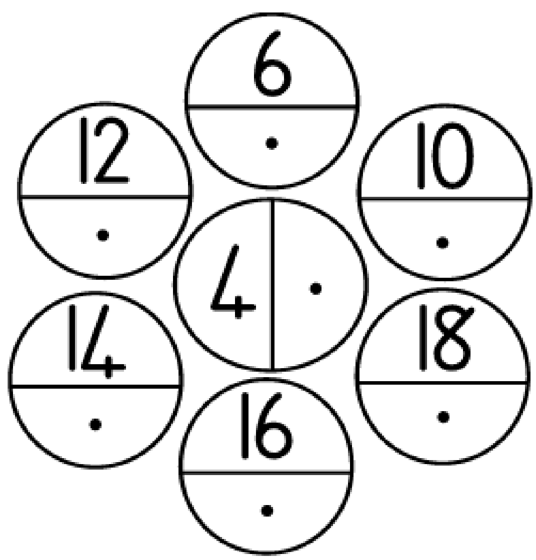
☻ Think carefully! Ask your friend to check whether your sums are correct.

$3 + 3 + 1 =$	$7 + 2 - 1 =$ ....
$4 + 4 - 2 =$	$9 - 1 - 2 =$ ....
$6 + 6 - 2 =$	$10 - 2 - 2 =$ ....
$5 + 5 - 2 =$	$9 - 3 - 5 =$ ....
$3 + 2 - 2 =$	$6 - 3 + 2 =$ ....
$8 + 1 - 3 =$	$7 + 1 - 1 =$ .....
$6 - 2 + 3 =$	$8 + 1 + 1 =$ .....
$6 - 4 + 3 =$	$7 + 2 - 4 =$ ....

☻ Double:

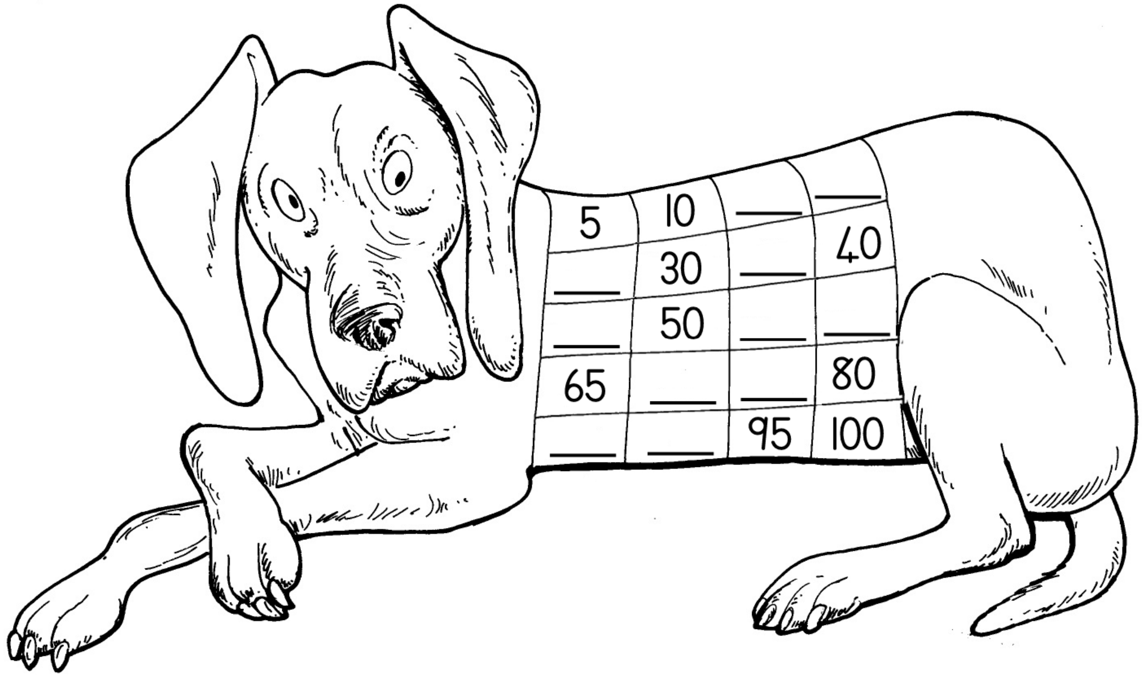


☻ Halve:



LO 1.8		LO 1.9		LO 1.10	

☻ Count in 5's:



☻ Do the magic square of 10.

10

3		
	5	
	2	2

☻ Find pictures that look like a Δ.
Paste them here.

LO 1.8		LO 1.2		LO 3.1	