TIME your work:
Start:_____finish:_____ Total time spent:_____

What did we learn this year?

1 Calculate:

	7	6
+	1	8

	4	5	2
-		4	4

	6	2	8
+	1	5	3

	3	6	8	8
+	1	5	9	4

	5	4
x		5

	6	2
x		4

	3	3
x		7

	5	4	3
x			3

2 Solve equations, make sure you check your results!

$26 + y = 39$ $x - 63 = 18$ $z \times 4 = 24$

y = _____   **x** = _____   **z** =_____

y = _____   **x** = _____   **z** = _____

Check: _____   Check: _____   Check:_____

3

Write down the numerical expression and find the value:

a) Subtract 15 from the sum of 25 and 13:   _____

b) Add 102 to the difference between 22 and 15:   _____

c) Multiply the difference between 25 and 17 by 3:   _____

4

Write down an expression which matches the statement:

a) There are **7** red apples and **5** green apples in a basket. How many apples altogether are in the basket? _____

b) There are **d** apples in a basket, and we take away **5** apples. How many apples are left in the basket? _____

c) Peter read 3 books last month and his mother read two more books then he did. How many books they read altogether last month? _____

d) Julia had **N** red apples and **K** green apples. She gave **n** red apples and **k** green apples to her friend.

-How many apples total did she have at the beginning: _____

-How many apples total did she have at the end?_____

5 **Mark the order of operations and calculate:**

$4 \times 3 + 2 =$_____ $12 - 3 \times 2 =$_____

$(4 + 3) \times 2 =$_____ $12 \times 2 - 3 \times 2 =$_____

$5 \times 4 - 2 =$_____ $5 \times (4 - 2) =$_____

6

Compare expressions using >, <, or =:

$a \ \square \ a + c$ $a + b \ \square \ b + a$ $38 - b \ \square \ 68 - b$

$b \ \square \ b - 5$ $k + 26 \ \square \ 62 + k$ $a - 0 \ \square \ a + 0$

$4 + 4 \ \square \ 4 \times 4$ $25 \div 5 \ \square \ 25 - 5$ $4 \times 6 \ \square \ 8 \times 3$

7 Convert the following measurements.

3 m 5dm 6 cm = _____ cm　　　　　　　　3m 6 cm = _____ cm

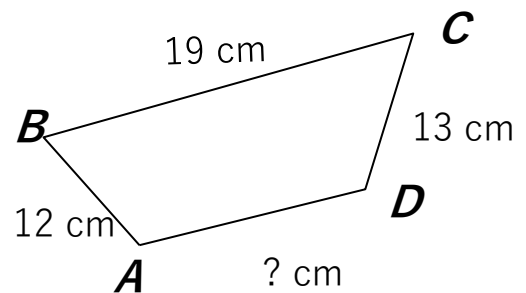325 cm = ____ m ____dm _____ cm　　　　56 cm = ___ dm ___ cm

3kg = _____ g　　　　　　　　　　　　5000mL = ____L
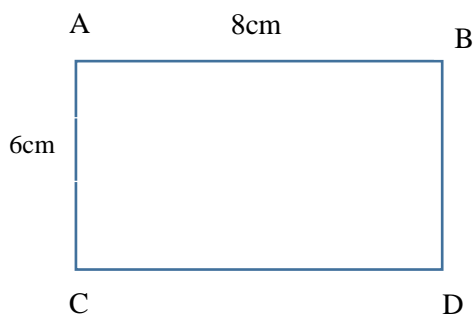
6000g = _____ kg　　　　　　　　　　　　7L = _____ mL

8

a) The perimeter of the quadrilateral *ABCD* equals 55cm. What is the length of side *AD*?

_____

19 cm

C

B

13 cm

12 cm

D

A　　? cm

9

Find the perimeter (P) and area (A) of the rectangle ABCD:

A　　　　　8cm

B

P= _____

6cm

A =_____

C　　　　　　　　　D

10 Find the coordinates of the objects on the plane. Draw an apple at the position (8,2)

(,)   (,)
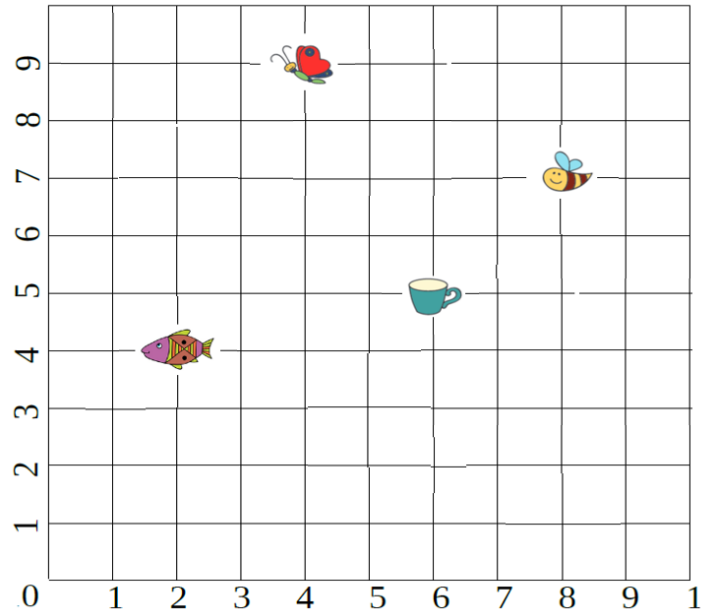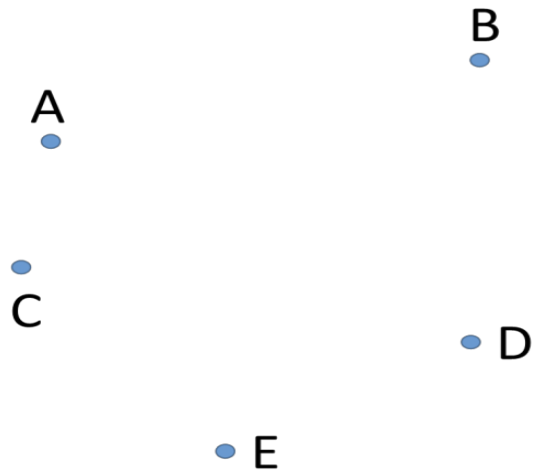
(,)   (,)

11

a) Use a ruler and draw:

- Draw a straight line $\overleftrightarrow{AD}$.
- Draw a line segment $\overline{CB}$.
- Label the intersection K.
- Draw a ray $\overrightarrow{KE}$

b) Make a right-angle template.

Using a template check if:

- Is angle ∠CKE obtuse? (YES, NO)

- Is angle ∠CKB acute (YES, NO)

- Is angle ∠BKD acute (YES, NO)

- Is angle ∠AKE obtuse (YES, NO)

B

A

C

D

E

12

Open parenthesis:

$59 + (k + b) = $_____ $100 - (p - 15) = $_____

$3(k + b) = $_____ $5 - (k - b + a) = = $_____

BONUS PROBLEMS
Do them only if you have time after you finished and checked all the problems.

13* How can you simplify the following? Remember the orders of operations!
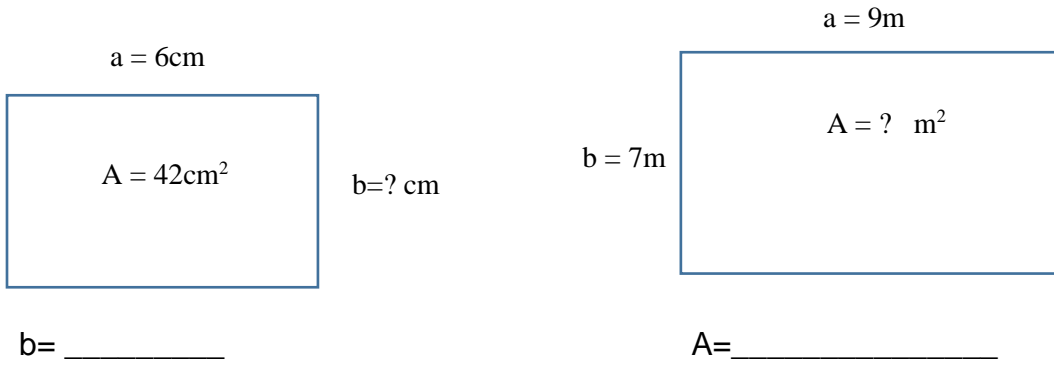
1) $6(3 + a) + 90 \div 10 + a =$ _____

2) $4 \times 7 + 2(4 - a) =$ _____

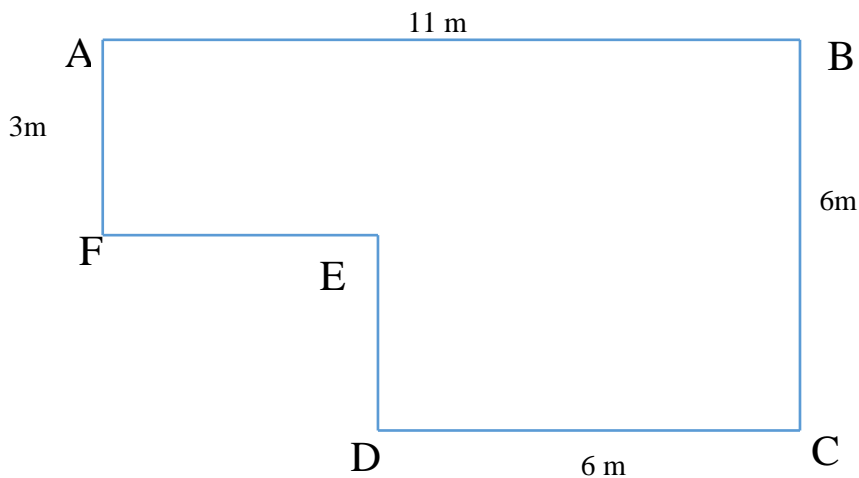3) $4 \times 6 - 2 \times 5 + 24 \div 8 =$ _____

14*

Find area or side of the rectangle.

a = 6cm

A = 42cm²   b=? cm

a = 9m

A = ? m²

b = 7m

b= _____   A=_____

15*

Find the perimeter of and the area of the following figure, if you know some of the sides:

11 m

A   B

3m

6m

F

E

D   6 m   C

P= _____

A=_____