Math 2 Homework 28

1

Solve equations:

$x + 209 = 507$ $905 - x = 459$ $x - 307 = 428$

$x =$ _____ $x =$ _____ $x =$ _____

$x =$ _____ $x =$ _____ $x =$ _____

Check: _____ _____ _____

2

Write an expression for each problem.

There are ***m*** fish in an aquarium, and then ***k*** more fish were added. How many fish are in the aquarium? _____

There are ***d*** fish in the aquarium, and we remove ***p*** fish from the aquarium. How many fish are in the aquarium? _____

There are ***f*** fish in the first aquarium and ***j*** fish in the second aquarium. How many more fish are in the first aquarium than in the second one? _____

There are ***n*** fish in the first aquarium and ***t*** fish in the second aquarium. We remove ***b*** fish from the first aquarium. How many fish are in both aquariums? _____

3

Mark the order of operations and find the result:

$23 + (9 - 7) =$ _____ $60 - (4 + 7) + 4 - (10 - 8) =$ _____

$13 - 3 + 9 =$ _____ $27 - (4 + 3) - 1 - (10 + 5) =$ _____

$20 - (3 + 2 - 1) =$ _____ $50 - (14 + 6) - 1 - (10 - 5) =$ _____

4

Open the parentheses, simplify if possible:

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

$a + 3(k + b) =$_____ $52 - 2(p + 15) =$_____

$56 + 5(k - b) =$ _____ $52 - 2(p - 15) =$_____

HW 28

5 Convert the following measurements.

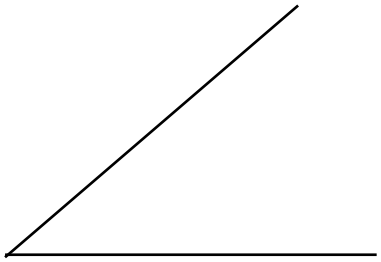
1 m 2 dm 7 cm = _____ cm 270 cm = ____dm 3 m 7 cm = _____ cm

507 cm = ____ m ____ cm 40 m = _____ cm 29 cm = ___ dm ___ cm

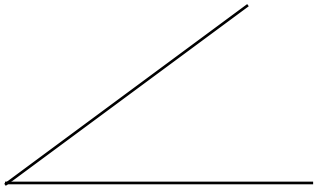
911 cm = ____ dm ____ cm 30 dm = _____ m 5 m 4 dm = _____ cm

6 Draw a second angle for each case so that the intersection of the two angles would be:

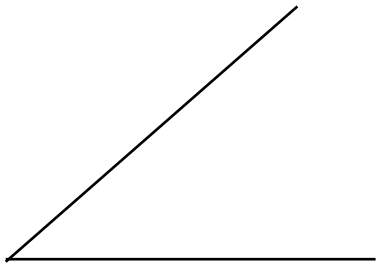
a) ... a point;



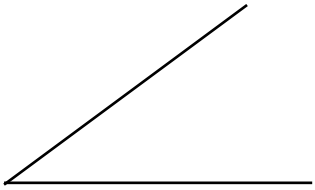
b). ... a ray;



c). ...a triangle.



d). ...a line segments



7 Compare:

$28 - 5 \square 28 - (5 + 1)$ $28 + 5 \square 28 + (5 + 1)$

$28 - 5 \square 28 - (5 - 2)$ $28 + 5 \square 28 + (5 - 1)$

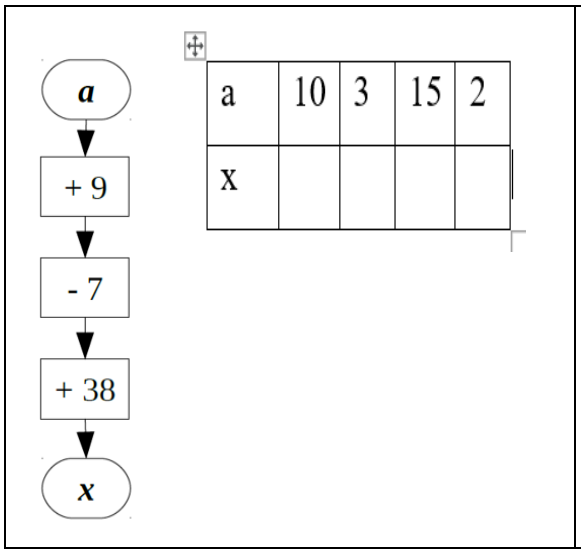
$28 - 5 \square 28 - (5 + a)$ $28 + 5 \square 28 + (5 + a)$

$28 - 5 \square 28 - (5 - b)$ $28 + 5 \square 28 + (5 - b)$

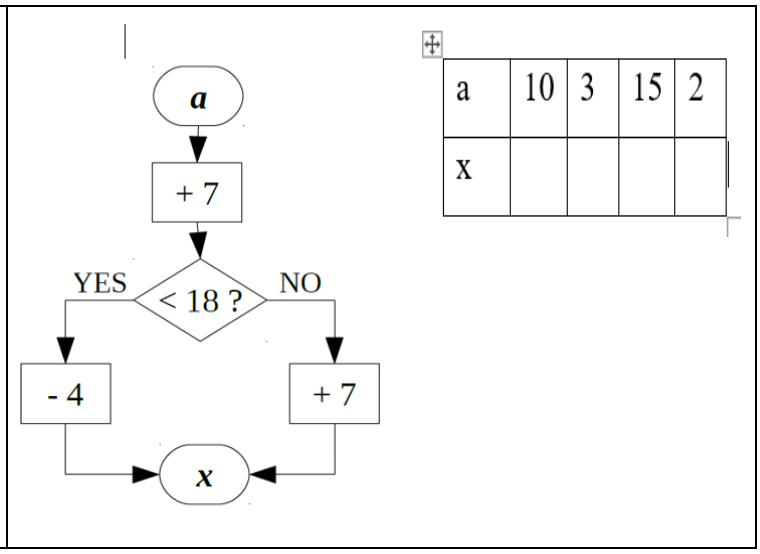
8

HW 28

Perform the actions according to the algorithms in the drawing below. Which of these algorithms is linear and which is branching?

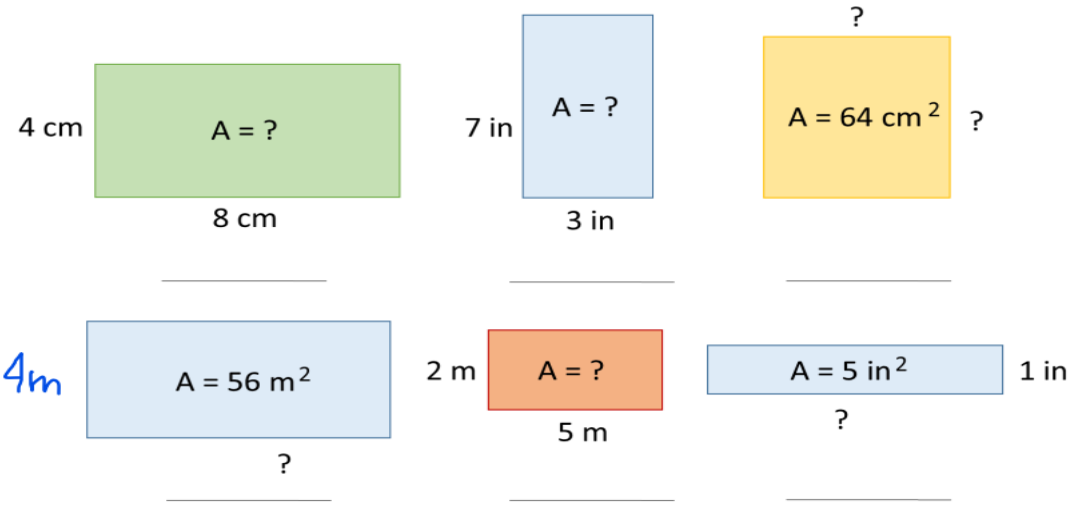


a	10	3	15	2
x				



a	10	3	15	2
x				

9 Find: 1) area or side of each rectangle 2) perimeter of each rectangle.



10 Compare:

$6 \times 2 \square 6 : 2$ $\quad c \times 2 + c \square c \times 3$ $\quad 5 \times 2 \square 5 + 2$

$7 \times 3 \square 6 + 6 + 6$ $\quad y \times 4 + y \times 2 \square y \times 5$ $\quad q \times 2 \square q : 2$

$6 : 3 \square 6 : 2$ $\quad 24 : 6 \square 24 : 4$ $\quad t : 2 \square t : 3$

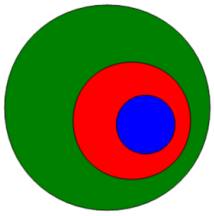
HW 28

11 For each multiplication fact, write also a division fact.

a. 7 × 2 = _____ _____ ÷ 2 = _____	b. 12 × 2 = _____ _____ ÷ 2 = _____	c. 8 × 5 = _____ _____ ÷ 5 = _____
d. 6 × 7 = _____ _____ ÷ ____ = _____	e. 7 × 7 = _____ _____ ÷ ____ = _____	f. 11 × 3 = _____ _____ ÷ ____ = _____
g. 9 × 8 = _____ _____ ÷ ____ = _____	h. 1 × 5 = _____ _____ ÷ ____ = _____	i. 7 × 9 = _____ _____ ÷ ____ = _____

12 Color the circles that represent different groups

A.

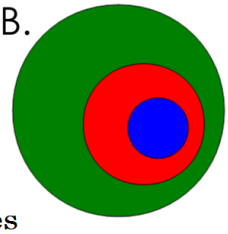


○ – Buses

○ – Cars

○ – School Buses

B.

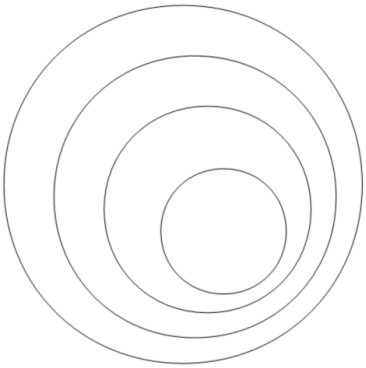


○ – Children

○ – People

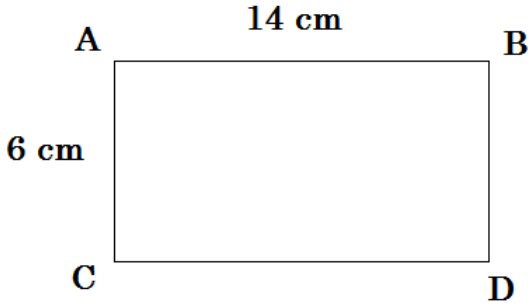
○ – Girls

13 Color the circles using the table:



Sets of	
●	- Predators
●	- Tigers
●	- Bengal tigers
●	- Animals

14 Find perimeter (the total length of the sides) of the rectangle ABCD three ways:



1)_____

2)_____

3)_____

HW 28

15

Write down an equation and solve it:

a) The first addend is unknown, the second in 13. The sum is 75. Check!

_____

_____

_____

_____✓

b) Subtract 47 from x and get 52. Check your answer.

_____

_____

_____

_____✓

16

Write an equation for the problem and solve.

a) 24 apples were equally divided between ***x*** people. Each person got 6 apples.

_____

_____

_____

_____✓

b) Kate had total 56 toys. She prepared ***y*** goody bags with 8 toys in each bag.
How many goody bags were in each bag?

_____

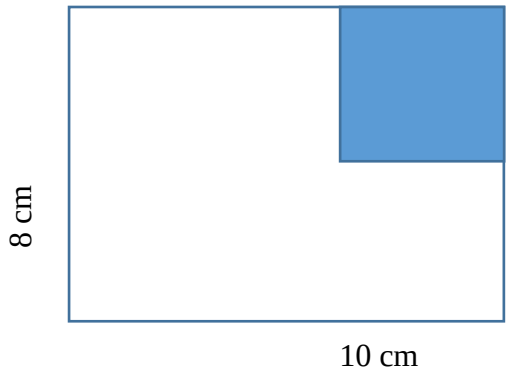
_____

_____

_____✓

17.

Find the area of a white shape two different ways, if you know that the blue shape is a square with a side of 5 cm.



1)_____

_____

2)_____

_____