LESSON 3

WARM-UP

1.

a) Skip-count by 10s from 10 to 200: _____

_____

b) Skip-count by 5s from 5 to 50: _____

_____

2.

Find a TRUE statement among the following statements:

_____ Bears fly

_____ Birds fly

_____ Frogs fly

_____ Sparrows fly

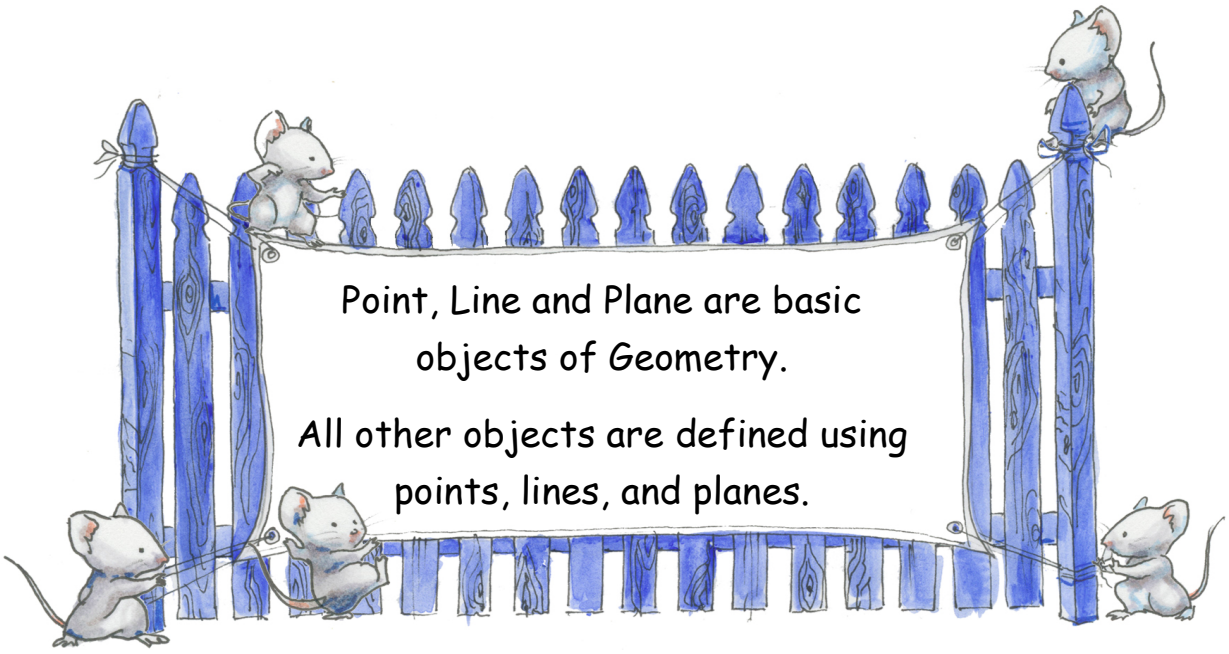
3.

Calculate. Explain your strategy.

47 + 20 =_____	34 + 40 =_____	45 + 30 =_____
47 + 3 =_____	34 + 39 =_____	46 + 29 =_____
47 + 23 =_____	34 + 38 =_____	47 + 28 =_____

85 - 20 =_____	56 - 30 =_____	50 - 25 =_____
85 - 3 =_____	56 - 29 =_____	51 - 26 =_____
85 - 23 =_____	56 - 28 =_____	49 - 24 =_____

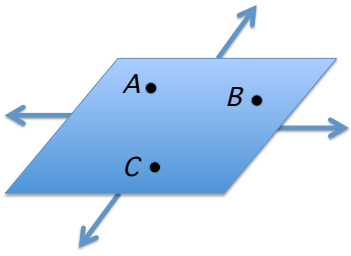
REVIEW

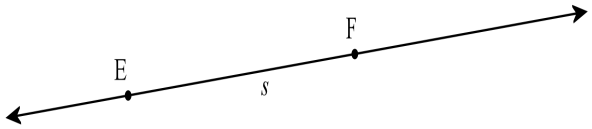


P •

This is a point P. We define a point as a location. Points do not have size. Points are named by capital letters.

A Plane is a flat surface. It extends infinitely in ALL directions. We label a Plane by one capital letter $\mathcal{R}$ or by 3 points – A, B, C not lying on the same line.





This is a line EF. Line has no beginning point and no end point.

We label a Line by any 2 points on it $\overleftrightarrow{EF}$ or by any lowercase letter: s

4. Using a ruler draw lines going through points:

a) A and B b) C and D c) E and F

A • B •

E •

D •

C • F •

5. In how many points can two distinct lines intersect?

Can 2 lines have more than one intersection point? Can you draw such lines below?

NEW MATERIAL

Equality

An equality says that two things are equal.

It will have an equals sign "=" for example:

$10 + 10 = 5 + 15$

6. Make two expressions equal:

17 + 12 = 20 + ☐ 37 + 19 = 40 + ☐ 79 + 24 = 80 + ☐

7. For each equality find the unknown number and place it in the box.

50 + ☐ = 100 40 + ☐ = 100 30 + ☐ = 100

35 + ☐ = 100 65 + ☐ = 100 15 + ☐ = 100

8. Find the unknown numbers.

125 + 75 = ? 120 + 80 = ? 60 + 140 = ?

? = ? = ? =

Let x be a *placeholder* for an unknown quantity

Solve for x and check your answer:

9. 63 + x = 96 x + 12 = 88 11 + 4 = 7 + x

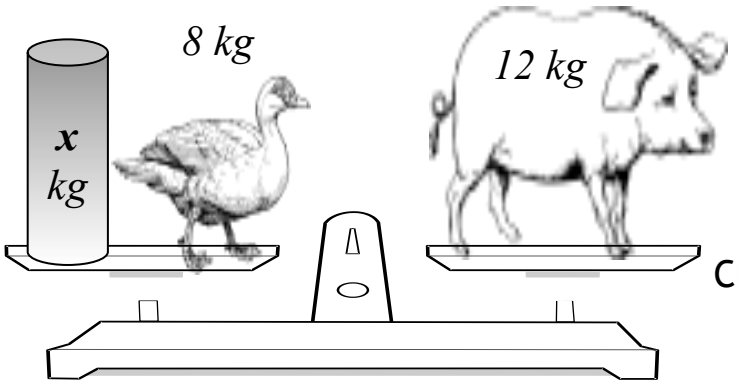
x = _____ x = _____ x = _____

x = _____ x = _____ x = _____

Check: _____ _____ _____

An equality with x is called an *equation*.

10. Write down an equation and find x.



_____

_____

_____

Check: _____

Challenge yourself

11. In the morning Tom had x apples. Then his Dad gave him 2 apples and Tom found out that he had 5 apples. How many apples did Tom have in the morning? Write down an equation and solve it.

_____

_____

_____

Check: _____

12. Amy had 10 candies. On the way to school she ate ***x*** candies. How many candies did Amy eat if when she came to school she had 6 candies? Write down an equation and solve it.

_____

_____

_____

Check: _____

13. Discover the pattern and complete the table on the left. Use the **same rule** and complete the table on the right with domino tiles.