

Homework

1 Calculate and use the numbers to decipher the characters from the R. Kipling's Junale Book.

S $29+1$ **E** $5+45$ **Y** $37+3$
K $8+52$ **O** $71+9$ **R** $12+6$
M $86+4$ **T** $36-4$ **N** $7+63$

90	80	70	60	50	40	30

Decipher the name of a famous folklore traveler.

A $20-3$ **S** $60-8$ **D** $30-9$
I $70-2$ **B** $40-7$ **L** $10+4$
N $90-5$ **O** $50-1$ **R** $80-6$

52	68	85	33	17	21

the











52	17	68	14	49	74

2 Fill in the diagram for the equations, solve them, and check your answers.

$x - 22 = 5$

$28 - x = 12$

3 Arrange the items on the shelves in different ways.

4 Find the result without calculations:

$67 + 29 - 29 = \underline{\quad}$

$67 + 29 - 29 - 54 + 54 = \underline{\quad}$

$54 - 47 + 47 = \underline{\quad}$

$54 - 47 + 47 + 81 - 81 - 49 + 49 = \underline{\quad}$

$28 + 69 - 69 = \underline{\quad}$

$28 + 69 - 69 - 17 + 17 + 53 - 53 = \underline{\quad}$

5 Find the inverse operations when possible, cross out the operations that can't be inverse:

Operation: to put on shoes

Inverse: _____

Operation: to break a toy house

Inverse: _____

Operation: to cut a water melon

Inverse: _____

Operation: to turn on the TV

Inverse: _____

Operation: to fry an egg

Inverse: _____

Operation: to put a cat in a cage

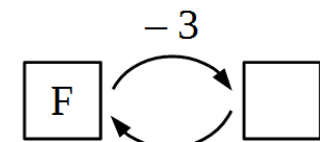
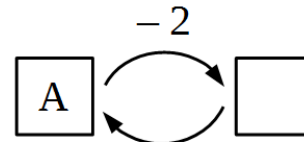
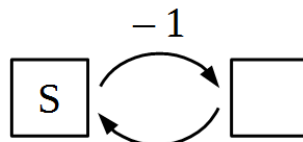
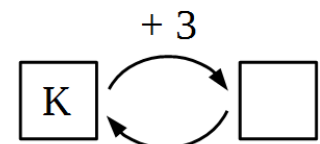
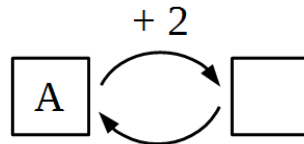
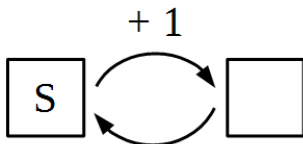
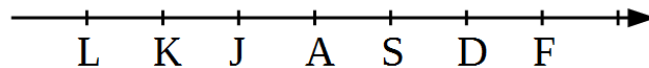
Inverse: _____

Give your own example on an operation. Does your operation have an inverse one?

Operation: _____

Inverse: _____

6 Do the operations using the line:



7

Present as tens and ones:

$$69 = \square \text{ t} + \square \text{ o} = 60 + 9 = \underline{\hspace{2cm}}$$

$$38 = \square \text{ t} + \square \text{ u} = \underline{\hspace{2cm}}$$

$$73 = \square \text{ t} + \square \text{ o} = \underline{\hspace{2cm}}$$

$$24 = \square \text{ t} + \square \text{ u} = \underline{\hspace{2cm}}$$

$$57 = \square \text{ t} + \square \text{ o} = \underline{\hspace{2cm}}$$

$$44 = \square \text{ t} + \square \text{ u} = \underline{\hspace{2cm}}$$

8

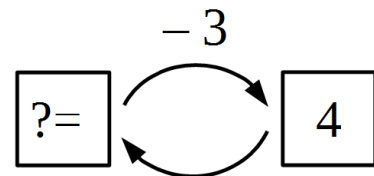
Calculate according to the example using column addition method:

1						
2 1	2 2	2 3	2 4	2 5	2 6	2 7
+ 9	+ 9	+ 9	+ 9	+ 9	+ 9	+ 9
3 0						

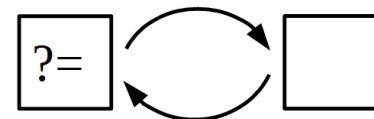
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Analyze the operations to solve the word problems:

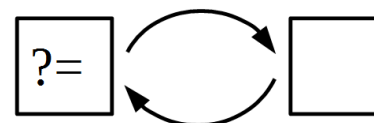
A. After Foxy Tail ate 3 apples during lunch, he had 4 of them left. How many apples did he have before lunch?



B. After little Joe peeled 27 potatoes, he still had 9 more to peel. How many potatoes did he have to peel in all?



C. After receiving a payment of 27 mouse coins, Jake the Mouth had 49 mouse coins in all. How many mice coins did he have prior to the payment?



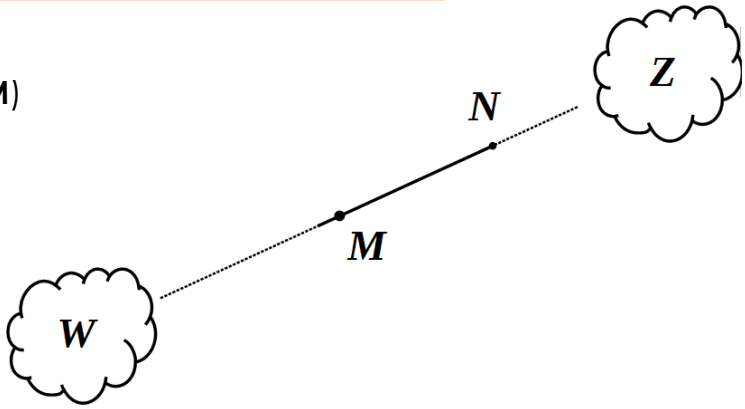
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Compare rays $[MN]$ and $[NM]$

List the clouds pierced by ray $[MN]$:

List the clouds pierced by ray $[NM]$:

List the clouds pierced by straight line MN : _____



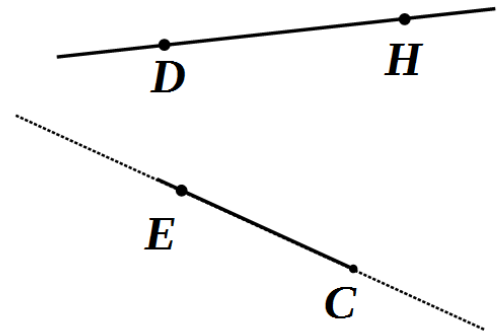
11

Find the point where ray $[CE]$ intersects straight line DH . Label it S .

Does ray $[EC]$ intersect straight line DH ? ____

Does ray $[CE]$ intersect ray $[DH]$? ____

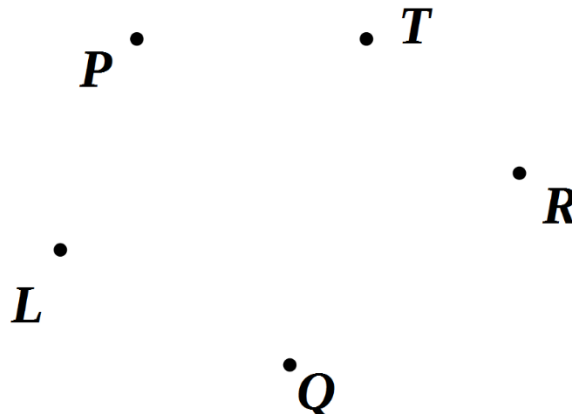
Does ray $[CE]$ intersect ray $[HD]$? ____



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Follow the instructions:

1. Plot the line segment $[PQ]$.
2. Plot the straight line (LR) .
3. Find their intersection point and label it W .
4. Plot the ray $[WT]$.



13

Imagine you have three strips of paper. Color these strips:

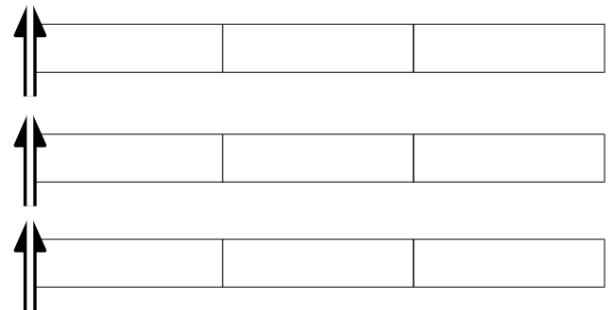
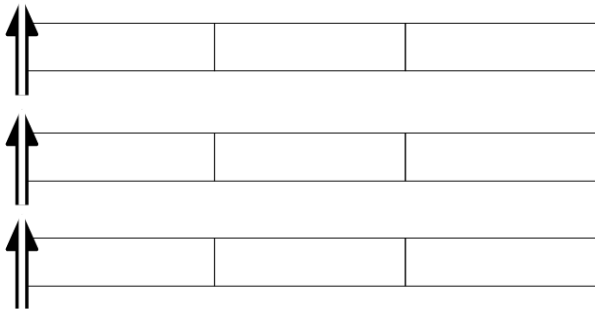


If you glue these strips, how many different three color tapes can you make?

Draw them here:

Test yourself using real color paper strips.

Now, how many different flags can you make out of these tricolor strips?



Why are there more tricolor flags than tricolor strips? _____

14

Each of the three boys named Nick, John, and Mike owns one of the three dogs on the picture: a collie, a hound, and a spaniel. Write the name of each owner under the picture of his dog if John does not own the hound, and John and Mike do not own the spaniel.



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