

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

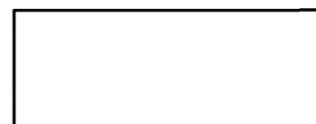
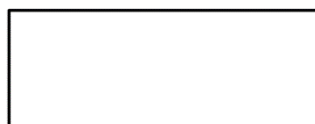
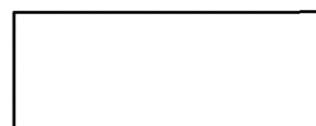
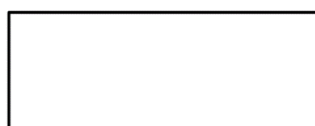
52	17	68	14	49	74

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

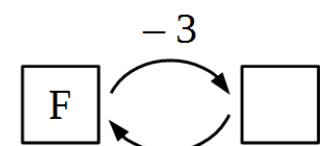
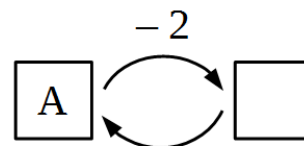
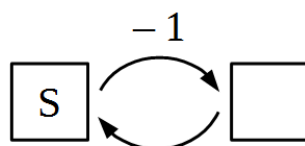
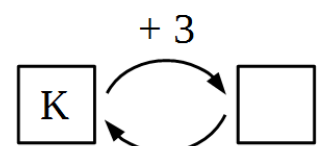
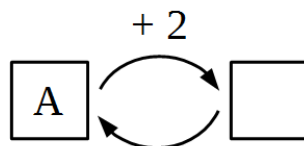
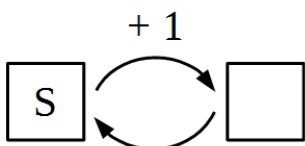
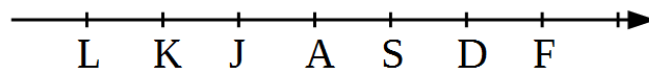
Inverse: _____

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

Operation: _____

Inverse: _____

6 Do the operations using the line if $K-L=1$.



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

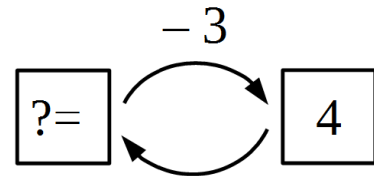
Calculate according to the example using column addition method.

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

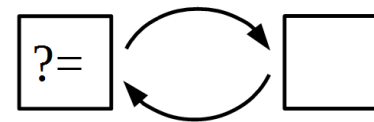
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Analyze the operations to solve the word problems.

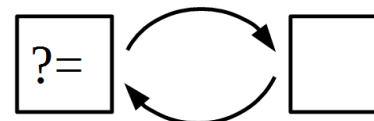
A. After Foxy Tail ate 3 apples during lunch, he had 4 of them left. How many apples did he have before lunch?



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 Mouse had 49 mouse coins in all. How many mouse coins did he have prior to the payment?



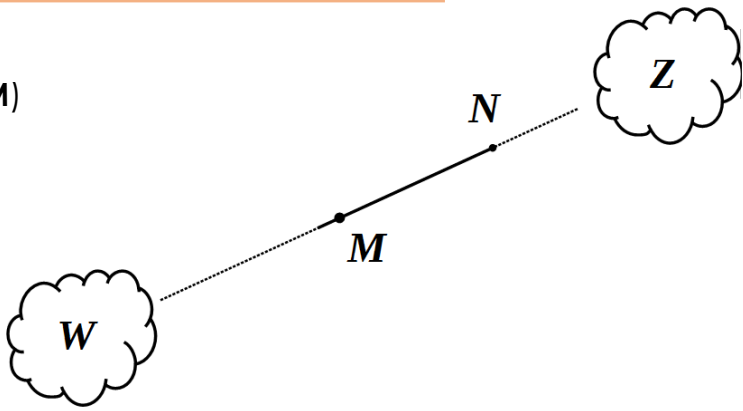
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Compare rays $[MN]$ and $[NM]$

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

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

List the clouds pierced by straight line MN : _____



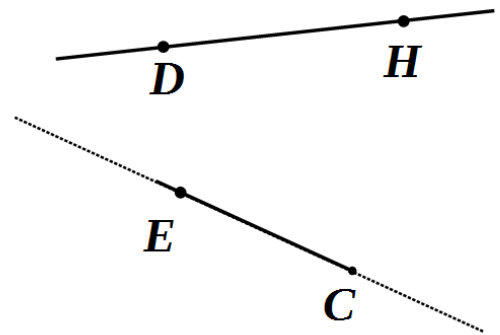
11

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 $[DH]$? ____

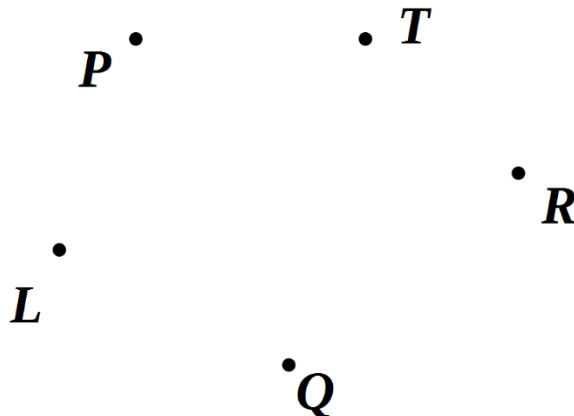
Does ray $[CE]$ intersect ray $[HD]$? ____



12

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 (pieces) of paper (green, blue, and red).



If you glue these strips, how many different three-color tapes can you make? (Hint: think about a colorful sticky tape: one color follows another)

Draw them here:

Test yourself using real color paper strips if you need. You can take three pieces of paper, color and cut them out.

Now, how many different tricolor flags can you make with these strips? (Hint: think about the flags of the different countries: France, Ireland, Russia, etc.)

Draw them here:

Why there are 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 (yellow), a hound (gray), and a spaniel (dark brown). 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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