

Homework

- 1 In your notebook, solve the equations and check the answer. Copy your answers here. Make drawings if needed.

$$689 + x = 912$$

$$x =$$

Check:

$$673 - y = 92$$

$$y =$$

$$z - 814 = 154$$

$$z =$$

- 2 Open up the parentheses:

$$60 + (k + d) =$$

$$174 - (p + 84) =$$

$$a + (c + b + 5) =$$

$$25 - (s + w + 8) =$$

$$65 + (g - 7) =$$

$$25 - (7 - h) =$$

$$36 + (45 - c) =$$

$$k - (52 - f) =$$

- 3 There are m liters of water in a bucket and n liters in a jar. Foxy Tail poured c liters out of the bucket and d liters out of the jar. What do the expressions below mean?

$$m + n$$

$$c + d$$

$$m - c$$

$$m - n$$

$$d - c$$

$$n - d$$

- 4 Figure out which rules are used to fill in the tables and fill in the empty boxes.

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | 4 | | |
| 3 | 4 | | | 7 |
| 4 | | | | |

| | 2 | 4 | 5 | 7 |
|---|---|----|----|----|
| 1 | | | | 17 |
| 3 | | 34 | | |
| 6 | | | | |
| 8 | | | 85 | |

5

Connect the appropriate points to obtain:

a) a triangle with a right angle;

 $B \bullet$ $\bullet A$ $C \bullet$ $D \bullet$ $F \bullet$ $\bullet E$

b) a quadrilateral with a right angle;

 $B \bullet$ $C \bullet$ $\bullet D$ $A \bullet$ $\bullet E$ $F \bullet$

c) a quadrilateral with two right angles.

 $B \bullet$ $C \bullet$ $\bullet D$ $A \bullet$ $\bullet E$ $\bullet F$

6

Solve using regular and "magic" digits.

$30 + 5 =$

$40 + 1 =$

$V0 + 5 =$

$Y0 + Z =$

$V0 + L =$

$2 + J0 =$

$47 - 7 =$

$UZ - Z =$

$L5 - 5 =$

$UJ - J =$

$L9 - L0 =$

$UQ - U0 =$

7

Link multiplication and division. Use a multiplication table if needed. (You don't

$8 \times 2 = \underline{\quad}$

$8 \times 3 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$

$\underline{\quad} \div 2 = \underline{8}$

$\underline{\quad} \div 3 = \underline{\quad}$

$\underline{\quad} \div 9 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$10 \times 5 = \underline{\quad}$

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

$54 \div 6 = \underline{\quad}$

$36 \div 4 = \underline{\quad}$

$56 \div 7 = \underline{\quad}$

$\underline{\quad} \times 6 = 54$

$\underline{\quad} \times 4 = \underline{\quad}$

$\underline{\quad} \times 7 = \underline{\quad}$

$70 \div 7 = \underline{\quad}$

$20 \div 5 = \underline{\quad}$

$27 \div 3 = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

need to learn multiplication table by memory!)

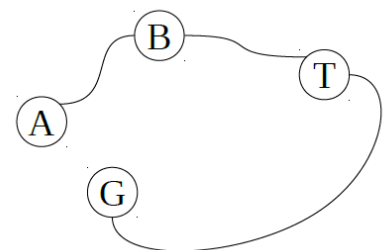
8

Solve word problems.

A. Amy brought 28 pencils to the class. Nick took 3 pencils, Mike took twice as many pencils as Nick, and Natalie took 3 times more than Mike. How many pencils were left?

B. There were 10 passengers on a bus. At the first stop, 9 passengers got on the bus. At the second stop, 5 passengers got on the bus and 3 passengers got off. How many people were on the bus after two stops including the driver?

C. A taxi driver drove 3 kilometers from the airport to the bus station. Then he drove to the train station, which is 2 kilometers further away than the airport. Finally, he drove to the garage, which is 3 times further from the train station than the bus stop. How many kilometers did the taxi drive since it left the airport and arrived in the garage?



D. During play time, Lisa, Katie, and Jack hid themselves under their desks. Jack spent 2 minutes there and Lisa sat under her desk twice as long as Jack. Katie spent 3 minutes longer than Lisa under her desk. How long did Katie spend under her desk?

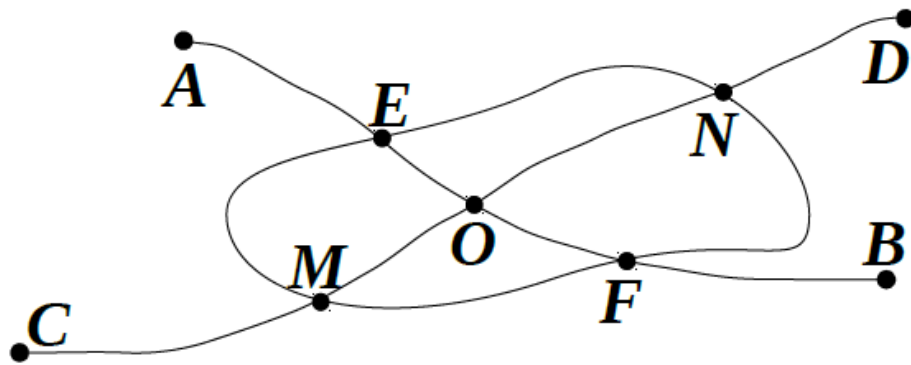
J _____

L _____

K _____

9 Look at the Mouseville subway plan.

- a) Name consecutively (in order) the stations on line **AB** starting first with station **A**.
- b) At what points does line **AB** intersect the closed curved line? What about the line **CD**?
- c) At what point do the lines **AB** and **CD** intersect?
- d) What are the best ways to get from **A** to **D**? Trace them with color pencil.



10 One fisherman caught 18 fish, while a second caught 21 fish.
Find the questions which can be asked about the given information and match them with the expressions for operations. Solve the problems that have matches.

How many fish did the two fishermen catch?

How many fish did the first fisherman catch?

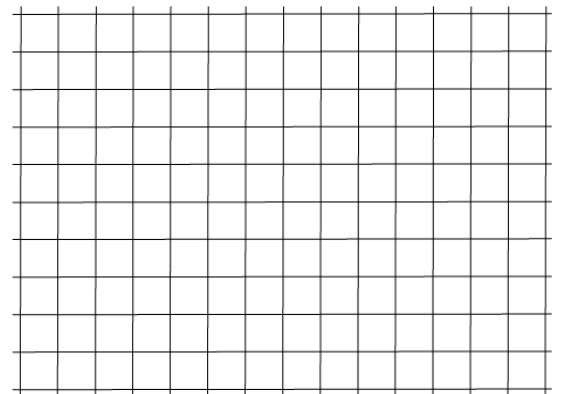
How many more fish than the first fisherman did the second catch?

How many many less fish did the first fisherman catch than the second?

How many fish were in the river?

$18 + 21$

$21 - 18$



11

Write only **A**'s to balance each scale.

If $\begin{array}{c} \text{C} \quad \text{AB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{B} \quad \text{AAA} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{C} \quad \text{AAAA} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{BB} \quad \text{AAC} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{C} \quad \text{AA} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{B} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{C} \quad \text{BB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{AA} \quad \text{B} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{C} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{BC} \quad \text{AAAA} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{AA} \quad \text{C} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{B} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{AC} \quad \text{BBB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{A} \quad \text{B} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{C} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{CC} \quad \text{BBB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{B} \quad \text{AA} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{C} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{CCC} \quad \text{BB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{AAA} \quad \text{B} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{C} \\ \hline \triangle \end{array}$

If $\begin{array}{c} \text{CCAA} \quad \text{BB} \\ \hline \triangle \end{array}$ & $\begin{array}{c} \text{C} \quad \text{AAA} \\ \hline \triangle \end{array}$ then $\begin{array}{c} \text{B} \\ \hline \triangle \end{array}$