

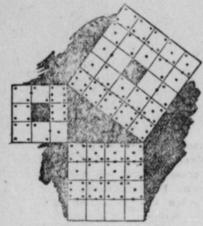
DOMINOS AND GEOMETRY.

Clever Method of Demonstrating a Proposition In Euclid.

Here is a very clever method of demonstrating a proposition in mathematics which will interest and at the same time instruct our boys and girls and will give those who are not very far advanced in arithmetic a glimpse of the pleasures in store for them when they enter upon the study of geometry:

No proposition in mathematics has been the cause of more perplexity than No. 47 in the first book of Euclidthe square described on the hypotenuse of a right angled triangle is equal to the sum of the squares described on the other two sides.

We know that the hypotenuse is less than the other two sides taken together, and it seems reasonable to assume that the square described upon



THE SQUARES ON THE TRIANGLE.

it should also be less. But we know at the same time that the proposition may be readily demonstrated. Indeed many of us have demonstrated it time and

Perhaps it may simplify the matter somewhat if we use dominos to show how this demonstration may be made. and the accompanying illustration has been drawn for this purpose.

Each domino, as you know, is a rectangle composed of two squares. Having drawn a right angled triangle, we proceed to construct a square upon the hypotenuse by means of the dominos. We find that we may form a perfect square by placing twelve dominos as shown in the picture-that is to say, we have twenty-four squares, with an empty space in the center equai to one of the squares, or twentyfive equal squares in all.

On the second side of the triangle we place four dominos, which, with the empty space in the center, gives us nine equal squares, and on the third side we place eight dominos, giving us sixteen equal squares.

This completes the demonstration, for we have twenty-five squares on the hypotenuse and sixteen plus nine, or twenty-five, squares on the other two

Jack Saw Them.

One day the primary teacher had been talking about Jack and Jill and asked the little people to draw a picture showing what she had told them. When the pictures were gathered, it was noticed that one little boy had drawn several stars about Jack's head. The teacher said:

"Why, Freddie, why do you have those stars in the picture? It was in the daytime when Jack and Jill went for the water."

Freddie looked up as if surprised at the duliness of the teacher and said: "Why, Miss -, they are the stars that Jack saw when he fell down."

Pins and Marbles.

Each boy or girl receives three pins, which are stuck upright in the carpet. Marbles are then used to bowl over the pins. Naturally there must be a prearranged place for the pins to be stuck and for the bowler to stand in order that everybody shall have an equal chance. If more than one boy or girl should succeed in downing all three pins in the three bowls allowed by the rules, the successful players can have "rubber" games together until one or the other becomes champion. - Washington Star.

An Easy Task.

Bob had been taught never to tell tales, and he meant to live up to his teaching, but sometimes it was hard

"Bob," said his mother one day, "I left a dish of peppermints on my table this morning and there isn't one there now. Have you and Carl eaten them?"

"I haven't eaten one," said Bob stoutly, "but"-then he remembered he must not be a talebearer. "Well-perhaps, if-you'd better just smell Carl, and I guess then you'll know all about

A Noisy Parrot.

One morning when the milkman came in the gate Polly was in the window and said to him, "Get out of here!" The milkman, supposing it was one of the family, went away thinking we had a very impolite way of letting him know when we didn't wish m ... He did not get far when he heard, "Sweet corn, green peas, strawberries!" and recognizing Polly's voice he saw how he had been deceived and came back and gave ns our milk.-Exchange.

Coringe's Reason. Corinne had been to Sunday school, And she learned a verse to say.

Repeat it, dear," a lady urged, Who called to see mamma one day. Corinne thought hard, then frowned a

"I can't jus' sink today of that, ause why," she hastily explained,
"I haven't on my Sunday hat?"

THE GIRL WHO IS LOVED.

She Must Be Admired by Those of Her Own Sex.

A woman cannot be said to be truly attractive or popular unless she is loved and admired by the members of her own sex as well as the opposite. She must be welcomed by all, old and young, male and female, or she cannot be called an attractive woman without reservation.

She must be herself, her best self, at all times and with all people. She must think and act for herself and express her own opinions rather than try to copy some person she may admire or who is admired by the lords of creation. Individuality when combined with polite manner and tact is always attractive. A woman's happy, infectious laugh is better than medicine or advice, and her cheery presence is as welcome as the sunshine.

A girl to be truly popular never says mean things about other girls, thinking that the men will like her better, and she doesn't try to monopolize the attentions of all the men at once, but is willing to let other girls have their share of admiration and attention along with her. She doesn't mope and retreat within herself if there are no men about to admire her, but she cheerfully sets about making the best of matters without them and making such companions as she has happier and brighter for her presence.

If she has a grievance, she keeps it to herself, for a woman with a grievance is very soon voted a bore. The weeping, fainting, sad eyed young woman is very much out of style nowadays not only in novels, but in real life, and the healthy, happy, independent, cheerful and sunny girl has totally eclipsed her in popularity.--American Queen.

A Homemade Scales.

A good enough balance for ordinary purposes is made by suspending two equal pieces of thin board, tin or cardboard from points six inches to right and left of a knot in the middle of a yard long cord, the ends of which are



tied to two nails two feet apart. A white card with a mark is tacked up behind the knot. The knot moves to the left when an object is put in the right scale pan. The weights that must be put in the left pan to bring the knot back to the mark give the weight of the

Education of Women.

The progress in education marked and so well understood as to need but little comment. When in 1851 Mrs. Stanton, Lucy Stone and I made a demand that girls in the state of New York should be permitted an opportunity for a college education, there was not even a high school open to them in the whole United States. Oberlin, O., was the only college they could enter. and there were no preparatory schools to fit them for that institution. At the present time they are admitted to all the state universities except those of Virginia, Georgia and Louisiana and to all the large universities of the middle and western states. The unwarranted and retrogressive action of Chicago university in "segregating" the women students shows that the battle is not entirely over, but the end is in sight .- Susan B. Anthony in Collier's Weekly.

A Sewing Convenience.

Here is a good suggestion for the benefit of busy mothers who do their own sewing and have many interruptions, thereby losing thimble and needle: Take some dark cretonne or any heavy material and make a small bag the shape of an open envelope about seven inches long. Sew a safety pin on the point of the envelope, put a small whalebone across the back to keep it firm and straight and stitch it strong. Then put in thread, thimble, scissors, some tape and a few buttons of various sizes. Pin the envelope to the side, and thus equipped many a necessary stitch will be taken and time and temper saved.-Brooklyn Eagle.

Keep Your Temper. Don't exhaust all your reserve force over petty cares. Each time that one loses control over herself, her nerves, her temper, she loses just a little nervous force, just a little physical well being and moves a fraction of an inch farther on in the path that leads to premature old age, says the Philadelphia Inquirer.

To Whiten the Hands. Melt a pound of white castile soap over the fire with a little water. When melted, perfume slightly with any one of the extracts and stir in half a cupful of common oatmeal. Use this preparation when washing your hands and you will be surprised at the improvement in their appearance.

Ironing Board Bag. A dark calico bag or case to cover the froning board when not in use is one of the things every practical house keeper should possess. It is a nuisance to remove the ironing sheet every time the board is put aside, but unless this is done or the board covered the sheet becomes soiled and damaged.

EN SER SE THE PUZZLER

No. 7 .- Jumbled Verse. With like open hearts doors ease Little very, very keys to; Forget of don't these two that and "You please if," and "thank you I," are

No. S .- Date Puzzle. My first is one-third of my fourth. My second is three times my fourth. My first plus my second is equal to

my second plus my fourth minus two. My fourth subtracted from my second is equal to two-thirds of my second. My third and fourth taken together are the same value as my fourth taken

My first, second, third and fourth give a year of importance to the reader.

> No. 9 .- Anagram. The ***** of the forest He has ** **** for me;
> I only hope that he'll **** **
> And leave the forest free.

No. 10.-Insertions. [Example: Insert a letter in a fuel and make a resinous substance. Answer-Co-al, co-p-al.]

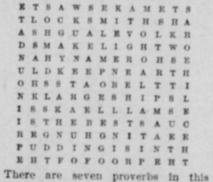
1. Insert a letter in a masculine name and make a tropical fruit. 2. Insert a letter in kitchen utensils and make tortures.

3. Insert a letter in contends and make crimes. 4. Insert a letter in single numbers and make pains.

5. Insert a letter in revolve and make a European country. 6. Insert a letter in light conversation

and make to defraud. 7. Insert a letter in to fly and make pertaining to the sun. 8. Insert a letter in farming imple-

ments and make habitations. No. 11.-Proverb Square.



square. Begin right, and each letter are read.

No. 12.-Picture Puzzle.



What article of furniture does the picture represent?

No. 13 .- Charades.

My first is what we wish to be; My third and second, you will see, Are just alike; my fourth, 'tis true, Is what a scold will sometimes do: My sixth a verb we oft employ; My whole a writer known to fame; Now, see if you can guess his name II.

Some things we could well do without In my TOTAL we gather with care. If my LAST ever lived, I've no doubt That he is my FIRST, now, somewhere.

No. 14.-Word Building.

1. From the letters of the word 'stream" make another word containing all the letters, twelve words containing five letters and at least twelve words each containing four letters.

2. Make four more words from the letters in the word "spot," using all the letters in each word. 3. Make four more words with the

letters in the word "live," using all the letters in each word. 4. With the letters E, E, S, V, R,

make three words of five letters.

No. 15.-Syncopations. Syncopate solled and leave tariff.

Syncopate a porch and leave to cease. Syncopate a division of time and leave an insect. Syncopate equilibrium and leave an

Conundrums Answered.

What part of a fish is found at the end of a book? The fin-is. What is the darkest part of a tune

The pitch. What is the lightest part of a tune? The air. What are the obligatory parts of a

tune? The notes. What part of a cat is found in novel? The tale (tail).

What part of a story resembles a piece of ground? The plot.-Youth's Companion.

Key to the Puzzler. No. 1.-Metagram: Letter, better, fet-

ter, setter, tetter. No. 2.-Illustrated Zigzag: Hawthorne. 1. Horse. 2. Banjo. 3. Newel. 4. Slate. 5. Sloth. 6. Lemon. 7. Purse. 8. Anvil. 9. Eagle.

No. 3 .- A Crowd of Boys: 1. Alfred. 2. Edwin. 3. Henry. 4. Herman. 5. Ira. 6, Martin. 7. Orlando. 8. Owen. 9. Stephen. 10. Theodore. 11. Victor. 12. William.

No. 4.-Riddle: Naila. No. 5.—Double Acrostic: Good appetite. Crosswords-L Gallop. 2. Orange 3. Orient. 4. Domini. 5. Alight. 6.

No. 6.—Triple Beheadings: 1. Faso-ed. 2. Maj-or. 3. Mad-am. 4. Imp-act. 5. Imp-air. 6. Hit-her. 7. Sta-men.

WATERFALLS IN JAPAN.

They Are Almost Countless and Are Used as Shrines.

The waterfalls of Japan are almost countless. There is one at every turn, and where there was not one in the beginning the Japs have made one, for it is their passion. Every little garden has a fall or two, and it would not be considered a garden at all without it. There are many very beautiful ones in various parts of the country, and they are all of them shrines visited by thousands of pilgrims every year. They do not pray to them as to a statue of Buddha, but they first pass up a little paper prayer on a convenient rock and then sit down in rapt attention and gaze at the falling water for hours, taking an occasional cup of tea at a little teahouse which always stands close at

The Japs are great at making pilgrimages anyway. When a man has reached the age of forty-five, he is supposed to have raised a family which will in the future take care of him. About the first thing he does on retiring is to start on a series of pilgrimages. Sometimes he joins a band of fellow pilgrims, or, if comparatively wealthy, he sometimes takes his wife and a minor child and makes the pilgrimages by himself. These pilgrim bands can always be seen moving about the country. They carry little banners with the name of their city and district marked on them, and when they have received good entertainment at a teahouse or hotel they hang one of their banners up in a conspicuous place as a testimonial. Often a band of pilgrims will travel from one end of the country to the other, visiting every temple and waterfall in the land.

Lavish Entertainments.

In the palmy days of the French monarchy sumptuous entertainments of royalty were not uncommon. To entertain a queen for a week the Comte d'Artois rebuilt, rearranged and refurnished his castle from threshold to turret, employing 900 workmen day and night. The Marshal de Soubise received Louis XV. as his guest for a day and night at a cost of £80,000. "I hear," said his majesty to the marshal, who owed millions, "that you are in debt." "I will inquire of my steward and inform your majesty," replied the host, hiding a yawn behind his hand.

A Ligid Dutch Law.

More than 200 years ago the Dutch rulers of Ceylon, anxious to retain their monopoly of the precious spice for will fall into its own place till the seven which that island is famous, enacted a law which made it a capital offense to den. buy or sell the wild jungle cinnamon, then the only sort known. The plants, wherever found, were held to be the property of the state. If a shrub chanced to spring up in a man's dooryard, he could neither destroy nor use it under severe penalties. Things are happily different now.

> A cheap and sanitary treatment of ordinary wall paper is to give it a wash of thin varnish. This improves and preserves the colors and makes any number of washings possible.

> Keep out of a culinary rut and put as much variety on the family table as your means and ingenuity can possibly devise,

Puritan is now the name given by Interior decorators to the antique fur and undisputed-established from niture so long designated as colonial.

INFORMATIO WANTED:

Cer ain patrons, through negligence, or for peculiar reasons known to themselves, remove from one locality to another, without notifying this office. We are anxi us to locate them so that they may receive their paper regularly and for other reasons, toportant tous. Any one who can furnish the present address of the following will confer a special favor. We give the former address:

GEO. A. MILLER, Aaronsburg. . C. SPRANKLE, Stormstown.

L. R. SMITH. Centre Hill.

J. A. WHITEMAN, Ashtola, Pa. WM. HEATON. Johnstown, Pa.

IRA AYRES, Gardean, Pa. J. M. HEATON Emporium, Pa-

New Insurance Agency.

To the Public:

I desie hereby to remind my friends, and the public in geneal, that since my retiement from the clerkship, in the County Commissioner's office I have purchased the general Insurance Agency of John C. Miller to which I will give my entire attention.

This agency represents a strong line of Standard Fire Insurance Companies; also Accident Insurance; and is the local office for the "NORTH-WESTERN MUTUAL LIFE IN SURANCE CO," which has many large policies in this territory and is recognized as one of the best and

When considering the matter of Insurance in any form, you can make your wishes known by addressing me by card, by telephone, or calling personally at my office, 2nd floor Bush Arcade, Bellefonte, Pa., and I will promptly supply you with the necessary information and data.

A portion of your patronage is respectfully solicited. BOYD A. MUSSER.

GARMAN HOUSE

High Street, opposite Court House, Bellefonte, Pa. Entirely New. New Furniture. Steam Heat. Electric Light, and all modern improvements.

C. M. & C. B. GARMAN Proprs

******************************* The Price of

Rubber Goods Is Advancing

Rapidly, owing to the scarcity of crude rubber. If you need a "Hot Water Bottle," a "Fountain Syringe" or an "Atomizer," now is the time to buy it—
We "took time by the forelock" and laid in a good
supply. We are selling
them at the old prices. We
expect the next lot to be
higher. A word to the wise
should be sufficient. We
will take pleasure in showing them to you if you call. now is the time to buy it-

GREEN'S PHARMACY, Bush House Blk. Bellefonte. шшшшшшшшшшш

Economy the Watchword

There times the prudent housewife must face many trying propositions. A certain amount can be used for living expenses, and no more; to exceed the limit means financial distress. There have been ncreases in expenses that are

Coal has advanced.

Steam Heat has advanced. Electric Light has advanced. Prices generally have advance

So that people in the country well as in the towns feel the bu

Under such circumstance Economy is the Watchword." For that reason the question of Provi ing for the Table is most important. We must eat to sustain life, and the problem is to secure the

WHOLESOME NOURISHING SUBSTANTIAL

foods possible for the money hand. There is one fact absolu years of experience. The cor munity conceeds it-that all th year around, in season and ou spring, summer, fall and winter year after year the best groceric are always found at SECHLER CO'S. store.

You get more value for you money because you can depend of him. Never handles the ches impure products-expensive at an price. When you must economize SECHLER & CO'S is the place buy your groceries.

SECHLER & CO.

GRANT HOOVER.

Fire, Life, Accident Insurance, Real Estate and Loans. 15 Standard Insurance Co's represented. You can't afford to insure your buildings or life until you see

GRANT HOOVER. rider's Stone Building. BELLEFONTE, PA

New Bakery AT MILESBURG

Market St . Below Postoffice.

WHERE

at all times will be kept choice goods, such as

FISH. SWEET POTATOES.

CABBAGE. OYSTERS, GREEN
GOODS, FIKE, LAKE TROUT.
CATFISH. EELS, WEAKFISH, ICE
CREAM, CAKES and PIES.
Fancy Cakes made to order: Candy,
Confectionery, Parsnips, Cigars and
Pipes, variety of Nuts. CAKES AND BREAD Always Fresh.

HARRY WHITEMAN. **************

RAILROAD SCHEDULE.

PENNSYLVANIA RAILROAD AND BRANCHES.
In effect on and after Feb. 8th, 1968.

Leave Bellefonte 9 53 am, arrive at Tyrone 11 05 am, at Altoona, 1.00 pm; at Pittsburg

Leave Bellefonte 9 58 a m. arrive at Tyrone 11 05 a m. at Altoona, 1,00 p m; at Pittsburg 5 50 p m.

Leave Bellefonte 1 05 p m; arrive at Tyrone 2 20 p m; at Altoona 3 10 p m; at Pittsburg 6 555 p m.

Leave Bellefonte 44 p m; arrive at Tyrone 6 00; at Altoona at 6 00; at Pittsburg at 10 45 via Tyrone—Eastward.

Leave Bellefonte 9 53 a m. arrive at Tyrone 11 05; at Harrisburg 2 40 p m; at Philadelphia 5 47 p m.

Leave Bellefonte 105 p m, arrive at Tyrone 220 p m; at Harrisburg 6 45 p m; at Philadelphia 10 20 p m.

Leave Bellefonte 105 p m, arrive at Tyrone 6 00; at Harrisburg at 10 05 n m.

Leave Bellefonte 44 p m. arrive at Tyrone 6 00; at Harrisburg at 10 05 n m.

Leave Bellefonte 9.32 a. m. arrive at Lock Haven. 10.30, leave Williamsport, 12.40 p.m. arrive at Harrisburg, 3.15 p. m., at Philadelphia at 6.23 p. m.

Leave Bellefonte 1 05 p m, arrive at Lock Haven 210 p m; at Williamsport 2 48 p m; and Buffalo 7 40 p m; Philadelphia 7 22 pm; and Buffalo 7 40 p m; Philadelphia 7 22 pm; Leave Bellefonte, 8.16 p. m., arrive at Lock Haven, 9.15 p. m., leave Williamsport, 1.35 a. m., arrive at Philadelphia at 7.22 a. m.

Leave Bellefonte 2.52 p. m.

Leave Bellefonte at 6.40 a. m., arrive at Lock Haven, 9.15 p. m., leave Williamsport, 1.35 a. m., Philadelphia at 7.22 a. m.

Leave Bellefonte, 8.16 p. m., arrive at Lewis-Philadelphia, 3.17 p. m.

Leave Bellefonte, 2.15 p. m., arrive at Lewis-Philadelphia at 13.20 p. m.

BALD EAGLE VALLEY. WESTWARD.

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LEWISBURG & TYRONE HAILEOAD In effect Nov. 26, 1900

(*) Runs every day (†) Week days only,

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BELLEFONTE & SNOW SHOE BRANCH Time Table in effect on and after Nov 20, 1839. Leave Bellefonte....... 9.53 a. m. and 5.45 p. m Arrive at Snow Shoe...11.26 a. m. "7.22"

Leave Snow Shoe....... 7.30 a. m. " 3 15 Arrive at Bellcfonte... 9.32 p. m. " 5 20 " For rates, maps, etc., apply to ticket agent or address Thos. E. Watt. P. A. W. D., 361 Sixth Ave. Pittsburg W. W. ATTERBURY, Gen'l. Manager Gen'l. Pass Art. J. R. WOOD. Gen'l. Pass Agt. UNADULTERATED THE CENTRAL BAILBOAD OF PENNA

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* Daily. † Week Days. § 6:00 p. m. Sunday

1 10:55 a. m. Sunday.

Philadelphia Sleeping Car attached to east
bound train from Williamsport at 11:30 p. m.,
and west bound from Philadelphia at 11:36 p. m.

J. W. GEPHART.

General Supt General Supt

Ar...NEW YORK...Lv...4 00 (Via Tamaqua)

BELLEFONTE CENTRAL RAILROAD.
To take effect Apr. 3, 1899.

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