

A Problem.

SITTING the other day with a friend of mine, in a room where there was a large fire, I observed that the distance my friend sat from the fire was $3\frac{1}{2}$ feet, and the distance I sat from it $5\frac{1}{2}$ feet. How much hotter was it at my friend's seat, than at mine?

Montreal.

A. T. D.

Problem.

CAN any of your mathematical correspondents furnish me with a neat arithmetical solution of the following problem, by Sir Isaac Newton:—

If 12 oxen will eat $3\frac{1}{2}$ acres of grass in 4 weeks, and 21 oxen will eat 10 acres of grass in 9 weeks, how many oxen will eat 24 acres in 18 weeks, the grass being allowed to grow uniformly?

Montreal.

A. T. D.

Rebus.

Six rivers in England that flow,
Their initials, if properly join'd,
In order quite perfect—"I know,"
Another fair river you'll find.

Montreal.

A. D.

Transpositions.—Towns in Turkey.

1. Nnnttooeclpsai.
2. Leponaaird.
3. Nmsrya.
4. Aascinol.
5. Psiti.
6. Sdrona.

The initials will give a spice.

Montreal.

A. D.

Arithmetical Question.

IN how many different way may the letters forming the word "Connecticut" be arranged.

Montreal.

A. D.

ANSWERS

TO CHARADES IN LAST NUMBER.

I.

SNUFF is a powder—a truce, now, to all fun—

I would kindly advise all young persons to shun;

For, by it, you may know the gossiping dame,
And many others whom I have not time to name.

A man, when he *er(r)s*, which is often the case,

Is not a rogue—a name that brings disgrace;

A snuffers at night is generally used,
And here I'll stop, for fear I'd get confused.

Montreal.

C. F. FRASER.

II

Nothing than an *inkstand* is more generally used,

By men of all stations it is prized or abused,
It assists to enlighten all mankind,
To enlarge their ideas and expand their mind.

Three-eighth's may be found at *Sebastopol*,
Where the Allies fought at the Moslem's call;
Three-eighth's more, if looked for, can
Be found on the heights of *Inkermann*;
As also one-fourth at *Helligoland*,
And in these three places all will be found.

Montreal.

C. F. FRASER.

III.

THE letter *c* in calf or cabbage may be found,
And *l* in poor men when captive led and bound;

O, which is the third, in parrot may be seen,

A bird much noticed wherever it has been;
C, in cats, and caps, and cheese and cake,
The first of which, at night, much noise do make;

K, in the last eatable, generally under lock,
And it's a very poor house that is without a clock.

Montreal.

C. F. FRASER.

IV.

SEBASTOPOL is the answer to this charade,
Where many a soldier's grave is made;
And where many a hero has won renown,
While his comrades around him have been struck down

By the merciless plague or the deadly ball,
Muscovite and Turk, Saxon and Gaul.

S, in serpents can easily be found;

E, in stranded ships when aground;

B, in a laboring company will be seen at a glance;

A, in artillery, which makes horses prance;
S, in shrapnel shells, I know, delights to be;

T, in trouble, strife, and fights on land and sea;

O, in paddle boats of every hue and kind;

P, in propellers, you will also find;

O, in loose to be, takes great delight,

And *l* in a flying goose which soars out of sight.

Montreal.

C. F. FRASER.

ANSWER TO REBUS.

Geranium, Ada, Lemoz, Arc, Sheath,
Horologe, Isinglass, Egrif, Lute, Stomacher.—GALASHIELS, MANCHESTER.

ANSWER TO ARITHMETICAL QUESTION.

IT will be seen that it takes no time to strike one (when you begin to count) and therefore from 1 to 6 there are but five intervals, each of six seconds; whereas, from 6 to 12 there are six intervals; the number of seconds for striking 12 is, therefore,—sixty-six.