



Printable Card Games **Mathematics**

Algebra

Simplification Switch!

A quickfire card game to develop skills in the simplification of algebraic equations

**FREE
Sample
Game**



Simply Print & Cut Out. Rules included.

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Thank You

LittleStreams Ltd.

At LittleStreams



...We think about the little things

We have an awareness of National Standards in both the USA and the UK. This adds up to resources that have been tested against two different standards of quality.

We exercise a harmonious balance of teaching know-how from an experienced home tutor and the professional look of industry standard graphic design.

Worksheets that over-use colour and unnecessary cartoon clip-art can alienate smart young students and adult learners. Our packs aim to avoid insulting the natural intelligence of all learners.

Our basic worksheets are designed to be photocopied and remain just as clear as if they were in colour thanks to graded colour usage.

We use clear, concise, and closely engineered language to get a point across in a way that reduces confusion and encourages thought.

We are not in the business of making lesson plans. We take pride in providing resources that are flexible and get out of the way of your own teaching know-how, through providing differentiated worksheets that can be used in class as well as for homework.

We are conscious of our effect upon the environment. We sell our packs digitally over the internet, and think about the balance of ink usage and paper usage when we build every item we intend to sell.

All of the little thoughts, all of the details, all of little streams add together and build to make a big river of powerful learning materials.

Preparation



Suggestions for the best ways to prepare your cards for use with students and users

Simple & Fast

Great for many students in a class, quick and easy.

Print all of the cards on simple paper or card using a conventional printer. Or photocopy the cards, and cut out the cards quickly using a rotary cutter or guillotine. The cards will not last very long, but are great for single use for a one-off class or session.

Long-Lasting & High-Quality

Great for individual students, or small groups.

Print all of the cards in colour and on thick white card. Glue the printed sheets onto a second sheet of thicker card. Then cut out all of the cards individually. These cards will last much longer and can be kept for re-use.

A great way to differentiate different types of cards, is to glue the printed cards onto card of different colours. This makes for great looking cards that will last for a long time before you have to re-print them.

Simplification Switch



Rules of Play

Info

This is a game of simplifying equations with x's and y's. It is playable with any number of players, from one-on-one tuition to an entire classroom. This game comes with 54 cards in total. There are 36 cards with x, 2x, 3x, y, 2y and 3y denominations, six of each. There are also 18 'switch' cards, these are the cards with the arrows on them. This is a game with no answer key, and requires the presence of a tutor or experienced older student to guide in checking or giving the answers.

Rules of Play

- Shuffle ALL of the cards and lay out 8 cards, face down, onto the table.
- Make sure every player is ready with a pen and paper to write down the sequence when revealed.
- One by one, reveal the cards from left to right.
- Players must now simplify the equation, the first person to do so wins the round.
- The sequence ALWAYS starts in the Positive.
- A "Switch" card indicates a change from positive to negative, or negative to positive.
- For example, "2x, y, switch (-), x, 2y, y, Switch (+), x" becomes " $2x + y - x - 2y - y + x$ ".
- Players must simplify the sequence. In this instance, the sequence becomes " $2x - 2y$ ".

Notes

Feel free to improvise your game in a manner that best suits you. This game is made to be as flexible as possible to best suit your teaching or tutoring needs. Perhaps dealing out more cards, or fewer cards. Maybe an even more co-operative game might work better for you:

Try a game where players are each dealt 4 cards each, and players put down their cards in a clockwise direction. While the cards are put down on the table, the ongoing and changing value of the equation is calculated as play moves around the circle.

If you have any suggestions, comments, or concerns, head over to our website and let us know via the form on the 'contact' page or e-mail: contact@littlestreams.co.uk

Simplification Switch!



x



x



x



x



x



x



$2x$



$2x$



$2x$



Simplification Switch!



$2x$



$2x$



$2x$



$3x$



$3x$



$3x$



$3x$



$3x$



$3x$



Simplification Switch!

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y

y

y



y

y

y



2y

2y

2y



Simplification Switch!

2y

2y

2y

3y

3y

3y

3y

3y

3y

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5 card games for the price of 3

Easy-cut guides for quick prep. Print, Cut Out & Go!

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Five different card games on the subjects of *Angles, Triangle Construction, Reading Clock Faces, Time Sequences* and *Geometric Shapes*.

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Card Game Bundle 4

Five different card games on the subjects of *Basic Algebra, Quadratic Equations, Order of Operations, Quadrilaterals* and *Probabilities*.

5 card games for the price of 3

Easy-cut guides for quick prep. Print, Cut Out & Go!

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