THIRD SPACE LEARNING

Math Games for 6th Graders

6 printable math games to play with your class.

6th Grade

Fractions, decimals and percentages game

What you will need to play:

- 2 players
- A set of shuffled fraction, decimal and percentage cards

How to play:

1. Place the shuffled pile of cards face down on the table.
2. Take it in turns to turn over a card. If 2 cards are turned over with matching fractions/decimals/percentages e.g. 50% and ½, then the first player to call out 'snap' gets to keep all the cards put down so far.
3. The winner is the player at the end of the game with the most pairs of cards.

THIRD SPACE LEARNING

Fractions, decimals and percentages game

0.1	0.2	0.05%	0.5
0.05	0.25	0.125	$\frac{1}{2}$
$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{8}$	$\frac{1}{10}$
$\frac{1}{20}$	5%	10%	12.5%

Fractions, decimals and percentages game

25%	50%

Multiplying / dividing fractions game

What you will need to play:

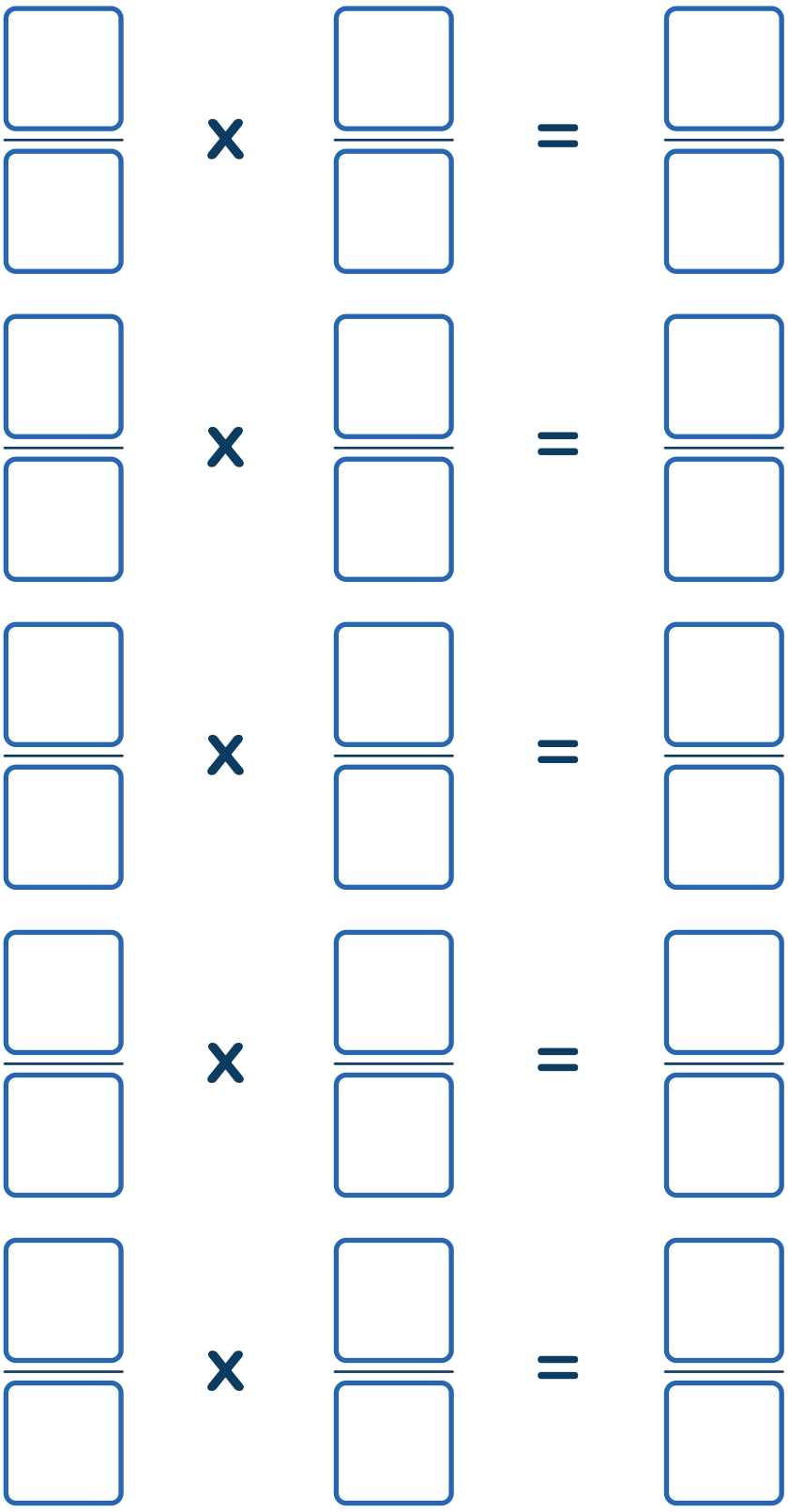
- 2 players
- A set of 1-9 cards
- Blank fractions sheet with multiplying or dividing questions
- Pen
- Dice

How to play:

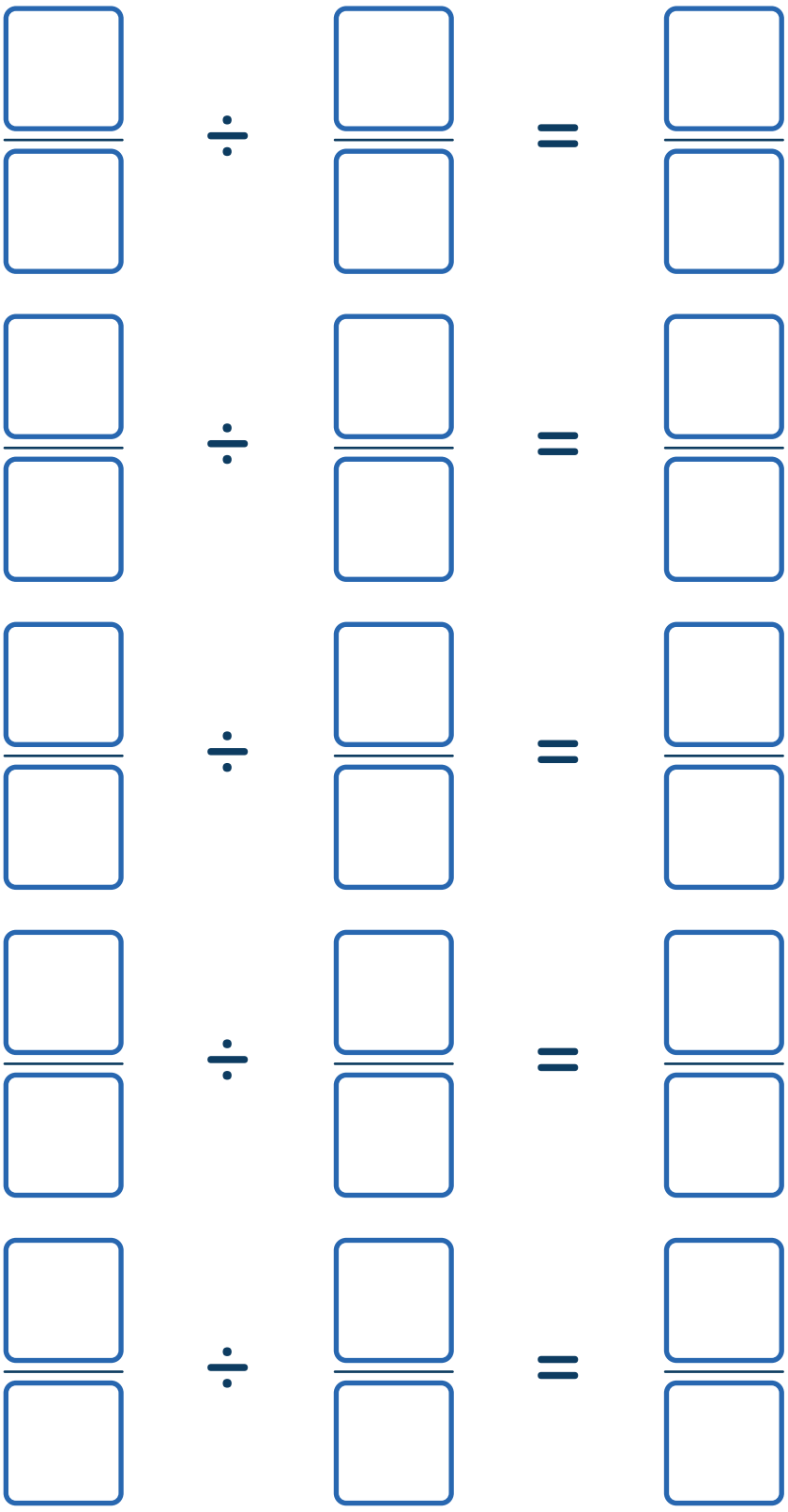
1. Each player has a blank multiplying or dividing fractions page.
2. Take it in turns to throw the dice and each player decides which box on their sheet to put the number in.
3. Once the numbers have been generated and all 4 boxes contain a number, each player multiplies their fractions together (or they can divide the fractions if this is the focus).
4. The player who has made the greatest fraction, when the 2 are multiplied or divided, scores 2 points.
5. If both players make the same sized fraction, each player scores 1 point.
6. The winner is the first player to reach 10 points.

THIRD SPACE LEARNING

Multiplying / dividing fractions game



Multiplying / dividing fractions game



Algebra game

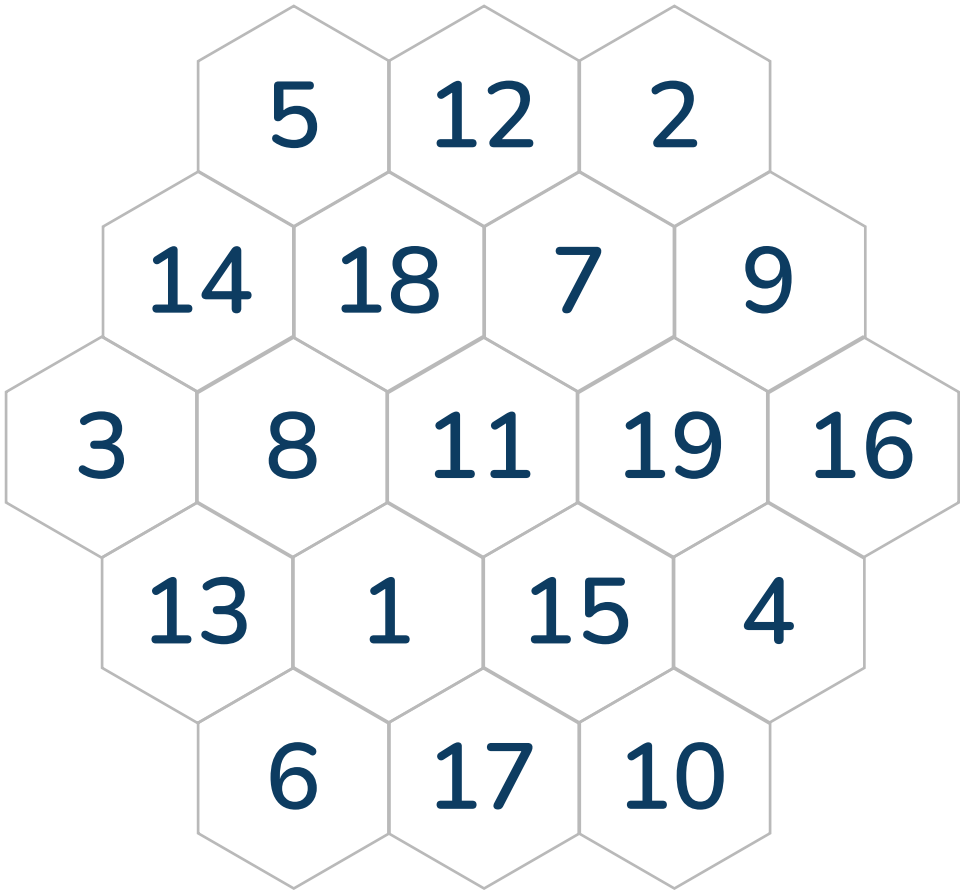
What you will need to play:

- 2 players
- Algebra game board
- 2 dice
- Algebra equations list
- 20 counters (2 colours)

How to play:

1. The first player throws both dice.
2. With the 2 numbers generated, they decide which number will represent ‘a’ and which number will represent ‘b’.
3. They then choose one of the 6 equations, using the 2 numbers generated to represent a and b.
4. They work out the answer and cover the number with a counter.
5. The next player does the same.
6. Players take it in turns until one player has positioned 3 counters in a row. They are the winner.

Algebra game



$2a + b$
$a + 2b$
$3a + b$
$b - 2a$
$2a - b$
$a \times b$

Coordinates game

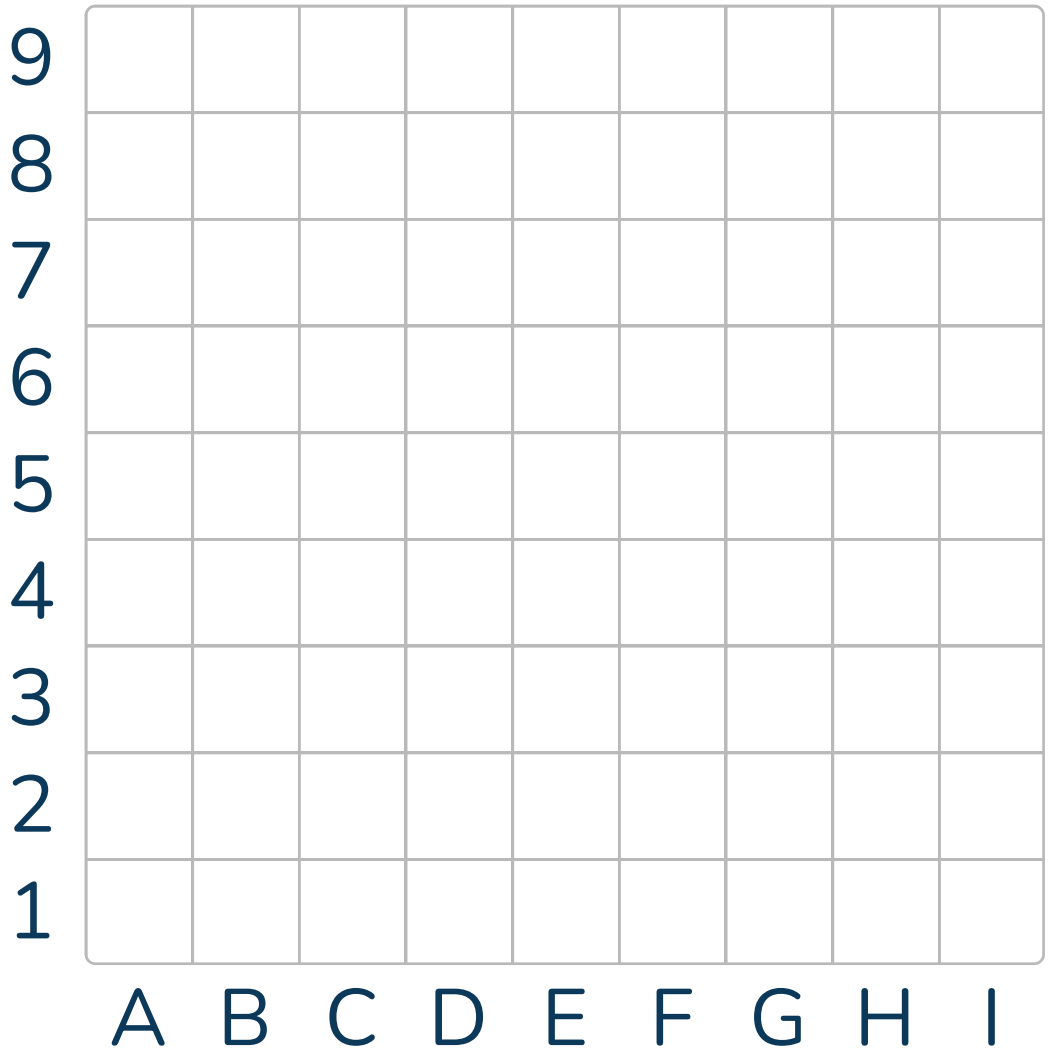
What you will need to play:

- 2 players
- A blank coordinates grid
- A pen for each player

How to play:

1. Each player has a blank coordinate grid.
2. They plot their 'battleships' (make sure the size and number of battleships are agreed in advance) on the grid and make a note of the coordinates.
3. Player 1 goes first and calls out their first coordinate. If it hits one of the coordinates on player 2's grid, player 2 calls out 'hit' and player 1 marks it off. If it misses player 2's battleships, they call out 'miss' and player 1 marks it as a miss.
4. Players then swap over, so player 2 calls out their first coordinate. As before, player 1 calls out 'hit' or 'miss'
5. Once a battleship has had all the coordinates called out, the player who's battleship it is shouts 'battleship sunk'. The other player marks this on their grid.
6. The winner is the first person to sink all the other player's battleships.

Coordinates game



Exponent Compare

What you will need to play:

- 'Exponent Compare' cards
- A partner

How to play:

1. Cut out the cards from the 'Exponent Compare' sheet. Shuffle them and deal them between both players.

2. At the same time, each player turns over one card. The player who has the largest value number gets to collect the cards and add them to their pile.

3. As an added challenge, players can be given a 5 second time limit to determine which card has the higher value; if the player with the highest value doesn't collect the cards within 5 seconds, the other player can take the cards.

4. The person who gets all the cards first wins!

THIRD SPACE LEARNING

Exponent Compare

5^3	2^3	4^2	2^1
4^3	5^2	7^3	6^1
6^3	9^2	3^3	10^4
2^6	2^4	4^4	5^1

THIRD SPACE LEARNING

Exponent Compare

8^2	8^1	9^1	8^3
3^1	5^4	3^4	10^5
9^3	3^2	10^3	2^2
2^5	4^5	7^1	7^2

Exponent Compare

10^2	6^2	3^6	10^6

Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one on one math tutors.

- Differentiated instruction for each student
- Aligned to your state's standard
- Scaffolded learning to close gaps

Speak to us

thirdspacelearning.com/us/

+1 929-298-4593

hello@thirdspacelearning.com

THIRD SPACE LEARNING