

A collection of colorful spiral-bound notebooks and five dry-erase markers. The notebooks are stacked, showing their covers in shades of blue, green, yellow, orange, and pink. The markers are also in matching colors (blue, green, yellow, orange, and pink) and are lying diagonally across the bottom of the image. The markers have white barrels with colored caps and some have the brand name 'LAZAR' visible. The entire scene is set against a plain white background.

13
Set 6

The biggest number that divides evenly into two or more numbers.

40		24	
1	40	1	24
2	20	2	12
4	10	3	8
5	8	4	6



REAL-WORLD

EXAMPLES

18 is the least number of pencils and erasers you can buy. 3 boxes of 6 pencils and 2 boxes of 9 erasers.



The smallest multiple that two or more

GRADE 6

STEP-BY-STEP POWERPOINT

GCF & LCM EXAMPLES 13

GCF (Greatest Common Factor)

The biggest number that divides evenly into two or more numbers.

40	24
20	12
10	6
5	3

18 is the least number of pencils and erasers you can buy. 3 boxes of 6 pencils and 2 boxes of 9 erasers.

18 is the least common multiple of 6 and 9.

have 5 cookies and 3 brownies.

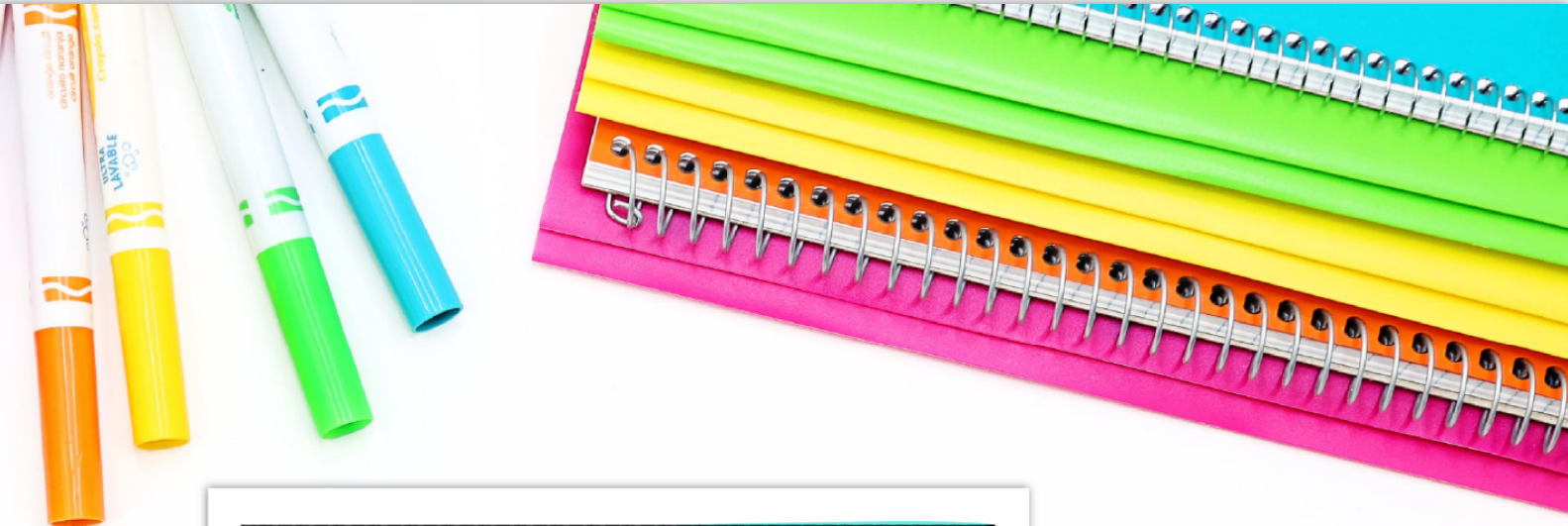
Pencils come in packs of 6, and erasers come in packs of 9. What is the least number of each you can buy so that every pencil has exactly one eraser?

LCM (Least Common Multiple)

The smallest multiple that two or more numbers have in common.

6	12	18	24	30	36
9	18	27	36	45	54





GCF & LCM EXAMPLES 13 Set 6

Greatest Common Factor

The biggest number that divides evenly into two or more numbers.

40	24
1	1
2	2
4	3
5	8

You have 40 cookies and 24 brownies to pack into boxes. Each box must have the same number of cookies and the same number of brownies. What is the greatest number of identical boxes you can make?

18 is the least number of pencils and erasers you can buy. 3 boxes of 6

The greatest number of boxes you can

REAL-WORLD EXAMPLES

GCF & LCM EXAMPLES 13 Set 6

Greatest Common Factor

The biggest number that divides evenly into two or more numbers.

40	24
1	1
2	2
4	3
5	8

You have 40 cookies and 24 brownies to pack into boxes. Each box must have the same number of cookies and the same number of brownies. What is the greatest number of identical boxes you can make?

18 is the least number of

The greatest

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



Least Common Multiple

more numbers have in

x1	x2	x3	x4
6	12	18	24
9	18	27	36

©2026 TeacherThrive.com

Least Common Multiple

more numbers have in common

x1	x2	x3	x4	x5	x6
6	12	18	24	30	36
9	18	27	36	45	54

©2026 TeacherThrive.com

GCF & LCM EXAMPLES

13
Set 6

GCF
Greatest Common Factor

The biggest number that divides evenly into two or more numbers.

	40	24
1	40	24
2	20	12
4	10	6
5	8	3
8		3
12		2

You have 40 cookies and 24 brownies to pack into boxes. Each box must have the same number of cookies and the same number of brownies. What is the greatest number of identical boxes you can make?



The number of boxes made. Each box has 5 cookies and 4 brownies.

18 is the least

DETAILED ANSWER KEY

Pencils come in packs of 6, and erasers come in packs of 9. What is the least number of each you can buy so that every pencil has exactly one eraser?

LCM
Least Common Multiple

The smallest multiple that two or more numbers have in common.

	x1	x2	x3	x4	x5	x6
6	6	12	18	24	30	36
9	9	18	27	36	45	54

©2026 TeacherThrive.com

MATH SKETCH NOTES

MATH SKETCH NOTES

These 6th-grade math sketch notes (AKA doodle pages) are a powerful learning and teaching tool. They cover essential math concepts and procedures for students in a visually appealing way. You can use this resource to supplement any math curriculum, and they are perfect for previewing/pre-teaching or reviewing/reinforcing.

These sketch pages are like mini anchor charts that your students actively create and can be referred to in the future.

WHAT'S INCLUDED:

- Blank student note page
(two sizes: 8.5 x 11 & composition notebook size for INBs)
- Detailed answer key
- Step-by-step PowerPoint

GUIDED NOTE-TAKING

Guiding your students through the note-taking process is so easy and requires almost zero preparation!

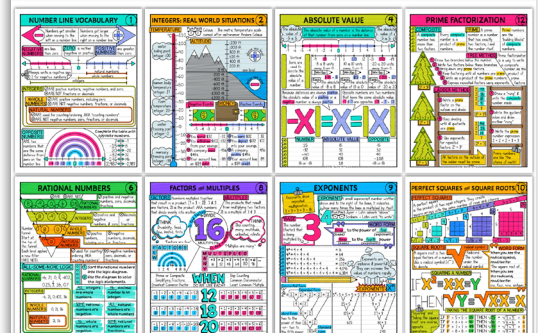
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

WHY SKETCH?

Sketch notes present your students with a meaningful and engaging activity they will love. Doodle note-taking activates verbal and visual modalities to capture concepts. The whole brain is absorbed in hearing, synthesizing, and retaining ideas. This high level of engagement helps students retain the content and leaves little room for distraction.

GET THE BUNDLE!!!

SIXTH GRADE MATH GUIDED SKETCH NOTES



GROWING BUNDLE