

INTEGERS

Solve & Draw

6TH GRADE

PREVIEW FILE

Directions: Solve the absolute value equations and add to the drawing. Name: _____

Directions: Determine if the integer in the statement is positive or negative and add to the drawing. Name: _____

1) $ 3 + 7 =$ _____ ☐ If the sum is 10, draw an astronaut by the flag. ☐ If the sum is -10, draw an astronaut on the left side of the page.	5) $ -3 \times 10 =$ _____ ☐ If the product is 30, draw a UFO in space. ☐ If the product is -30, draw a UFO in space.	9) _____ ☐ If the integer is 12, draw faces on the two toadstools. ☐ If the integer is -12, draw faces on the two toadstools.	13) _____ ☐ If the integer is 5, draw another hill in the background. ☐ If the integer is -5, draw hair on the original alien.
2) $ -9 + -8 =$ _____ ☐ If the difference is -1, draw a lunar module (space shuttle) in the background. ☐ If the difference is 1, draw a satellite out in space.	6) $ 6 + -2 =$ _____ ☐ If the product is 12, draw a planet out in space. ☐ If the product is -12, draw a shooting star out in space.	10) _____ ☐ If the integer is 1, draw one more toadstool in the background. ☐ If the integer is -1, draw one more toadstool in the background.	14) _____ ☐ If the integer is 4, draw a cat beside the original alien. ☐ If the integer is -4, draw a dog beside the original alien.
3) $ 0 + -4 =$ _____ ☐ If the sum is 4, draw an astronaut up in space. ☐ If the sum is -4, draw a shadow under the flag.	7) $ -34 =$ _____ ☐ If the product is 14, draw another planet out in space. ☐ If the product is -14, draw a shooting star out in space.	11) _____ ☐ If the integer is 15, draw stripes on the 10 toadstools. ☐ If the integer is -15, draw stripes on the 10 toadstools.	15) _____ ☐ If the integer is 99, draw two arms on an original alien. ☐ If the integer is -99, draw a sun with a face on it in the sky.
4) $ 12 - -4 =$ _____ ☐ If the difference is -8, draw stars on the flag. ☐ If the difference is 8, draw Earth in the background.	8) $ 100 + 10 =$ _____ ☐ If the quotient is 10, draw an astronaut floating out in space. ☐ If the quotient is -10, draw the sun in the upper left corner.	12) _____ ☐ If the integer is 1, draw one more toadstool in the background. ☐ If the integer is -1, draw one more toadstool in the background.	16) _____ ☐ If the integer is 4, draw a cat beside the original alien. ☐ If the integer is -4, draw a dog beside the original alien.
17) _____ ☐ If the integer is 12, draw faces on the two toadstools. ☐ If the integer is -12, draw faces on the two toadstools.	18) _____ ☐ If the integer is 5, draw another hill in the background. ☐ If the integer is -5, draw hair on the original alien.	19) _____ ☐ If the integer is 99, draw two arms on an original alien. ☐ If the integer is -99, draw a sun with a face on it in the sky.	20) _____ ☐ If the integer is 4, draw a cat beside the original alien. ☐ If the integer is -4, draw a dog beside the original alien.

ACTIVATED EDUCATION

6TH GRADE INTEGERS

Solve & Draw

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6TH GRADE INTEGERS

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DIRECTIONS

6th Grade Integer Solve and Draw sheets are an easy, no-prep way to make review work or practice for positive and negative numbers more engaging. This space-themed set includes practice pages for absolute value, absolute value equations, comparing integers, and ordering integers. Inspired by a group of reluctant mathematicians with amazing creativity, these printables are designed to engage students in math practice with an artistic twist. This resource may be used as a fun quiz or as a review. Perfect for the sub tub or a math center.

How Solve & Draw Activities Work

Students solve the integer problems and add to the space-themed drawing based on their answers. Students are directed on what to draw but are able to personalize the item to their preferences and drawing styles. Drawings can range from stick figures to anime inspired to cartoons to realistic and everything in between. Drawing is no-prep because it can be done with the student's normal writing utensil (pen or pencil). You may choose to allow colored pencils, crayons, or markers but they are not required. This works well as a homework option for families who may not have those supplies to offer and is a great "print and go" resource for sub days, warm ups, and math centers!

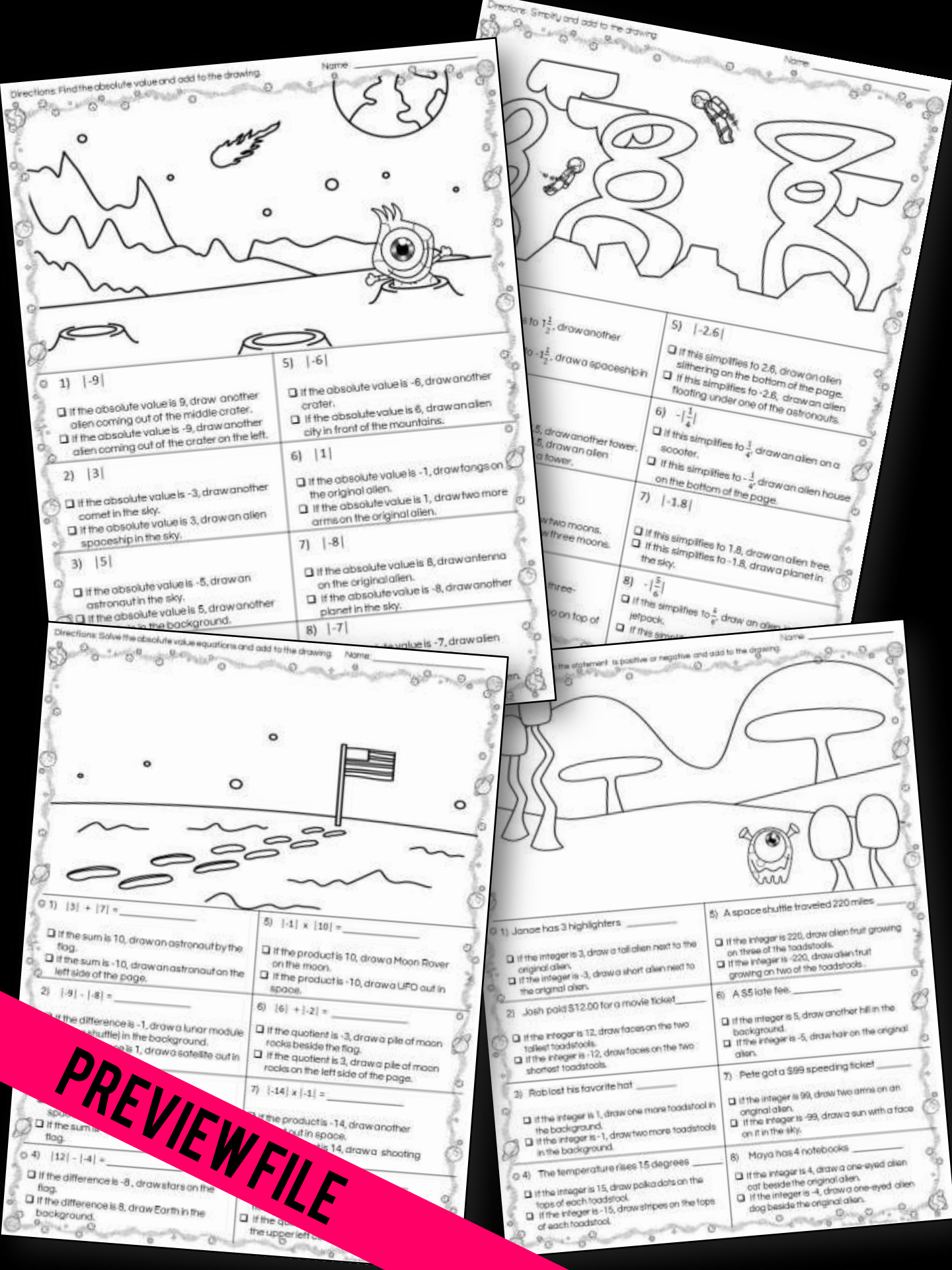
These integer worksheets can extend thinking and for early finishers. An optional challenge page is included that can be copied on the back of the worksheet – this gives students an extension opportunity by asking them to create an integer problem that fits one of the incorrect drawing prompts or to create a new problem and their own drawing prompts. They can then add the correct drawings to their own paper or you can share them with the whole class for further practice!

Included Skills

- Identifying absolute value
- Solving absolute value equations (all 4 operations)
- Comparing two integers using $<$, $>$, or $=$
- Ordering integers
- Comparing rational numbers using $<$, $>$, or $=$
- Ordering rational numbers

[CCSS.MATH.CONTENT.6.NS.C.7](#)

Understand ordering and absolute value of rational numbers.



Directions: Find the absolute value and add to the drawing.

Name: _____

1) $|-9|$

- ☐ If the absolute value is 9, draw another alien coming out of the middle crater.
- ☐ If the absolute value is -9, draw another alien coming out of the crater on the left.

2) $|3|$

- ☐ If the absolute value is -3, draw another comet in the sky.
- ☐ If the absolute value is 3, draw an alien spaceship in the sky.

3) $|5|$

- ☐ If the absolute value is -5, draw an astronaut in the sky.
- ☐ If the absolute value is 5, draw another planet in the background.

4) $|-6|$

- ☐ If the absolute value is -6, draw another crater.
- ☐ If the absolute value is 6, draw an alien city in front of the mountains.

5) $|1|$

- ☐ If the absolute value is -1, draw fangs on the original alien.
- ☐ If the absolute value is 1, draw two more arms on the original alien.

6) $|-8|$

- ☐ If the absolute value is 8, draw an antenna on the original alien.
- ☐ If the absolute value is -8, draw another planet in the sky.

7) $|-7|$

- ☐ If the absolute value is -7, draw an alien.

Directions: Simplify and add to the drawing.

Name: _____

1) $1\frac{1}{2}$, draw another _____

2) $-1\frac{1}{2}$, draw a spaceship in _____

3) $|-2.6|$

- ☐ If this simplifies to 2.6, draw an alien slithering on the bottom of the page.
- ☐ If this simplifies to -2.6, draw an alien floating under one of the astronauts.

4) $-\frac{1}{4}$

- ☐ If this simplifies to $\frac{1}{4}$, draw an alien on a scooter.
- ☐ If this simplifies to $-\frac{1}{4}$, draw an alien house on the bottom of the page.

5) $|-1.8|$

- ☐ If this simplifies to 1.8, draw an alien tree in the sky.
- ☐ If this simplifies to -1.8, draw a planet in the sky.

6) $-\frac{5}{6}$

- ☐ If this simplifies to $\frac{5}{6}$, draw an alien jetpack.
- ☐ If this simplifies to $-\frac{5}{6}$, draw an alien on top of _____

Directions: Solve the absolute value equations and add to the drawing.

Name: _____

1) $|3| + |7| =$ _____

- ☐ If the sum is 10, draw an astronaut by the flag.
- ☐ If the sum is -10, draw an astronaut on the left side of the page.

2) $|-9| - |8| =$ _____

- ☐ If the difference is -1, draw a lunar module (space shuttle) in the background.
- ☐ If the difference is 1, draw a satellite out in space.

3) $|-1| \times |10| =$ _____

- ☐ If the product is 10, draw a Moon Rover on the moon.
- ☐ If the product is -10, draw a UFO out in space.

4) $|6| + |-2| =$ _____

- ☐ If the quotient is -3, draw a pile of moon rocks beside the flag.
- ☐ If the quotient is 3, draw a pile of moon rocks on the left side of the page.

5) $|-14| \times |-3| =$ _____

- ☐ If the product is -14, draw another alien in space.
- ☐ If the product is 14, draw a shooting star in the sky.

6) $|12| - |-4| =$ _____

- ☐ If the difference is -8, draw stars on the flag.
- ☐ If the difference is 8, draw Earth in the background.

7) $|-14| \times |-3| =$ _____

- ☐ If the quotient is -3, draw a pile of moon rocks beside the flag.
- ☐ If the quotient is 3, draw a pile of moon rocks on the left side of the page.

Directions: Simplify the statement: is positive or negative and add to the drawing.

Name: _____

1) Janoe has 3 highlighters _____

- ☐ If the integer is 3, draw a tall alien next to the original alien.
- ☐ If the integer is -3, draw a short alien next to the original alien.

2) Josh paid \$12.00 for a movie ticket _____

- ☐ If the integer is 12, draw faces on the two tallest toadstools.
- ☐ If the integer is -12, draw faces on the two shortest toadstools.

3) Rob lost his favorite hat _____

- ☐ If the integer is 1, draw one more toadstool in the background.
- ☐ If the integer is -1, draw two more toadstools in the background.

4) The temperature rises 15 degrees _____

- ☐ If the integer is 15, draw polka dots on the tops of each toadstool.
- ☐ If the integer is -15, draw stripes on the tops of each toadstool.

5) A space shuttle traveled 220 miles _____

- ☐ If the integer is 220, draw alien fruit growing on three of the toadstools.
- ☐ If the integer is -220, draw alien fruit growing on two of the toadstools.

6) A \$5 late fee _____

- ☐ If the integer is 5, draw another hill in the background.
- ☐ If the integer is -5, draw hair on the original alien.

7) Pete got a \$99 speeding ticket _____

- ☐ If the integer is 99, draw two arms on an original alien.
- ☐ If the integer is -99, draw a sun with a face on it in the sky.

8) Maya has 4 notebooks _____

- ☐ If the integer is 4, draw a one-eyed alien cat beside the original alien.
- ☐ If the integer is -4, draw a one-eyed alien dog beside the original alien.

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Directions: Determine if the integer in the statement is positive or negative and add to the drawing.

Name _____

1) 29,028 feet above sea level	5) Sahara Desert temperature of 136°F
☐ If the integer is positive, draw a human astronaut peeking out of a hole in the sky. ☐ If the integer is negative, draw another dog astronaut peeking out of a hole in the sky.	☐ If the integer is positive, draw two more holes in the hill. ☐ If the integer is negative, draw three more holes in the hill.
2) 1,312 feet below sea level	6) Sara's paycheck is \$200.00
☐ If the integer is positive, draw an alien lake. ☐ If the integer is negative, draw flowers on the alien plants.	☐ If the integer is positive, draw an alien snowboarding down the goo on the mountains. ☐ If the integer is negative, draw an alien skiing down the goo on the mountains.
3) Josh owes his mom \$35.00	7) Duke digs a hole that is 2 feet deep
☐ If the integer is positive, draw another hole in the sky. ☐ If the integer is negative, draw an alien tree.	☐ If the integer is positive, draw another alien plant. ☐ If the integer is negative, draw an alien tree.

Directions: Order the integers from least to greatest and add to the drawing.

Name _____

1) 3, -5, -7, 14, draw big eyes	5) -25, 63, -32, 41
☐ If -5 is greater than -7, draw small eyes. ☐ If -7 is greater than -5, draw big eyes.	☐ If the correct order is -32, -25, 41, 63, draw another astronaut. ☐ If the correct order is -25, -32, 41, 63, draw an alien.
2) 5, 9, -8, draw a big nose	6) -5, -9, -8, 1
☐ If 5 is greater than -8, draw a small nose. ☐ If -8 is greater than 5, draw a big nose.	☐ If the correct order is -5, -8, -9, 1, draw an alien spaceship. ☐ If the correct order is -9, -8, -5, 1, draw a space shuttle.
3) 2, 28, 64, draw a	7) -45, -170, -33, -12
☐ If 2 is greater than 28, draw a small arm. ☐ If 28 is greater than 2, draw a big arm.	☐ If the correct order is -170, -45, -33, -12, draw two more arms on an original astronaut. ☐ If the correct order is -12, -33, -45, -170, draw a star in the astronaut's right hand.
4) -171, draw	8) -34, -9, 4, -5, 34
☐ If -171 is greater than 34, draw an alien flying by in a jet. ☐ If 34 is greater than -171, draw an alien.	

Directions: Order the rational numbers from least to greatest and add to the drawing.

Name _____

1) -2.9, 2.7, -2.6	5) $-\frac{2}{3}, -\frac{3}{5}, -2$
☐ If 2.7 is the greatest number, draw glasses on the teacher. ☐ If -2.6 is the least number, draw a pencil in the student's left hand.	☐ If $-\frac{2}{3}$ is the greatest number, draw an alien plant seed in the square on the whiteboard. ☐ If $-\frac{3}{5}$ is the least number, draw another set of eyes on the original student.
2) -0.97, -1.1, -1.3	6) $-\frac{1}{4}, 4.39, -3, 99$
☐ If -1.3 is the least number, draw another student. ☐ If 4.39 is the greatest number, draw an alien on the whiteboard.	☐ If 4.39 is the greatest number, draw two more arms on the teacher. ☐ If -3.99 is the least number, draw another set of arms on the original student.
3) 4, 14, 19, 24, 29, 34, 39, 44, 49, 54, 59, 64, 69, 74, 79, 84, 89, 94, 99	7) -7.5, 6.5, -7.8
☐ If 4 is the least number, draw a plant with one arm on the board. ☐ If 99 is the greatest number, draw glasses on the original student.	
4) -0.3, 0.1, -0.9	8) $-\frac{1}{2}, \frac{1}{3}, -\frac{1}{4}$
☐ If 0.1 is the greatest number, draw fuzzy eyebrows on the teacher. ☐ If -0.3 is the least number, draw an alien clock on the wall above the teacher.	☐ If $-\frac{1}{2}$ is the greatest number, draw a plant with one arm on the board. ☐ If $-\frac{1}{4}$ is the least number, draw another set of arms on the original student.

Directions: Order the integers from least to greatest and add to the drawing.

Name _____

1) -4, -2	5) -5, -4
☐ If -4 is less than -2, draw clouds in the sky. ☐ If -4 is greater than -2, draw fog around the ground.	☐ If -5 is less than -4, draw lightning in the sky. ☐ If -5 is greater than -4, draw another rock on the right side of the page.
2) 0, -1	6) 2, -2
☐ If 0 is less than -1, draw an alien coming out of the spaceship. ☐ If 0 is greater than -1, draw a mountain climber on the rock on the left side.	☐ If 2 is equal to -2, draw bubbles in the water. ☐ If 2 is greater than -2, draw a snake with big eyes slithering away from the spaceship.
3) 7, -7	7) -4, -3
☐ If 7 is equal to -7, draw a lizard on the small rock on the left side of the page. ☐ If 7 is greater than -7, draw a cactus on the right side of the page.	☐ If -4 is less than -3, draw a tumbleweed by one of the rocks. ☐ If -4 is greater than -3, draw an aardvark by one of the rocks.
4) 11, -15	8) -1, 1
☐ If 11 is less than -15, draw a boat on the water. ☐ If 11 is greater than -15, draw an alien standing by the water.	☐ If -1 is less than 1, draw another rock formation in the background. ☐ If -1 is equal to 1, draw an alien climbing down a rock.

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Thank you!



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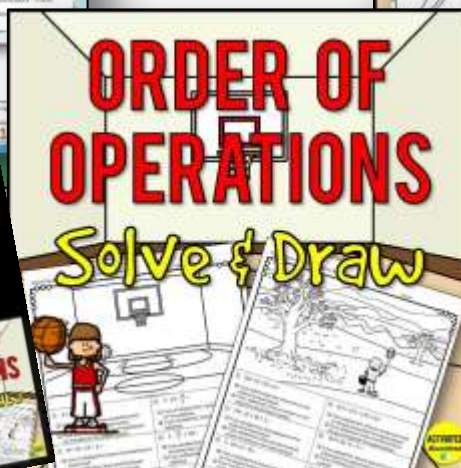
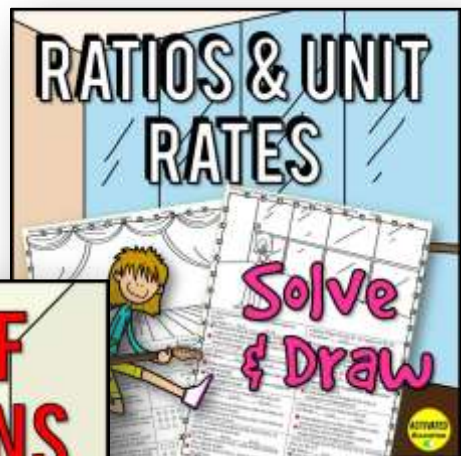


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