

DECIMAL PLACE VALUE

Preview file

Winter

Solve & Draw

Preview file

ACTIVATED
EDUCATION

DECIMAL PLACE VALUE

Winter Theme

Solve & Draw

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DECIMAL PLACE VALUE

Winter

Solve & Draw

DIRECTIONS

Solve and Draw no-prep printables for are an easy, no-prep way to make decimal place value practice or review more engaging in the winter months! These pages are not holiday specific and can be used throughout the winter. 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 review. Perfect for the sub tub or a math center. These are also designed to provide practice of reading carefully in math and following directions.

How Solve & Draw Activities Work

Students complete the decimal problems and add to the drawing based on their answers. When possible, to keep them guessing, each problem may have one correct drawing prompt, two, or none. Each page has an average of 7 responses that require drawing. 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.

Drawing prompts require a student to use multiple skills:

- Decimal place value understanding
- Rounding
- Reading

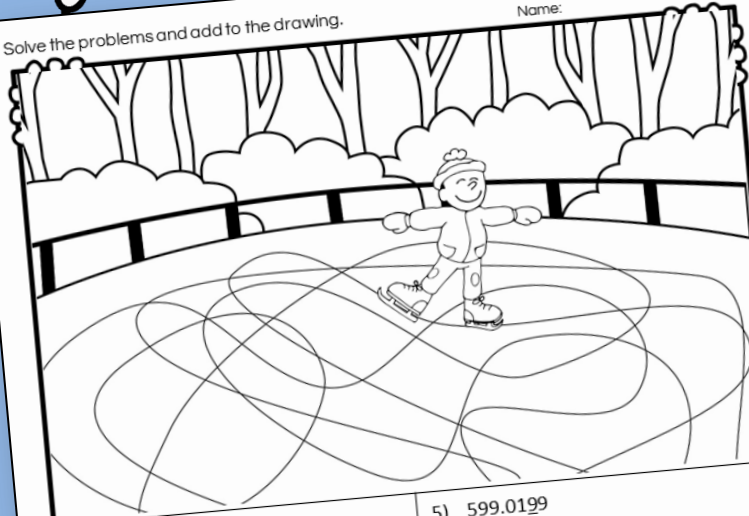
An optional challenge page is included that can be copied on the back of the worksheet – this gives students an extension opportunity by asking them to create a math equation that fits one of the incorrect drawing prompts or to create a math equation and their own drawing prompts. This works well to extend thinking and for early finishers.



Preview file

Solve the problems and add to the drawing.

Name: _____



1) 4.3431

- ☐ If the value of the underlined digit is 0.04, draw another boy ice skater.
- ☐ If the value of the underlined digit is four tenths, draw the moon in the sky.

2) 1,3460.0202

- ☐ If the value of the underlined digit is 0.2, draw an ice skating bear.
- ☐ If the value of the underlined digit is two hundredths, draw snow on the bushes and trees.

3) 0.7162

- ☐ If the value of the underlined digit is 0.007, draw a bunny peeking out from behind a bush.
- ☐ If the value of the underlined digit is 7 thousandths, draw another ice skater.

4) 9.3050

- ☐ If the value of the underlined digit is 0.004, draw a pair of ice skates.
- ☐ If the value of the underlined digit is 0.004, draw a pair of ice skates.

5) 599.0199

- ☐ If the value of the underlined digit is 0.009, draw an ice skating dog.
- ☐ If the value of the underlined digit is nine thousandths, draw leaves on the trees.

6) 0.54054

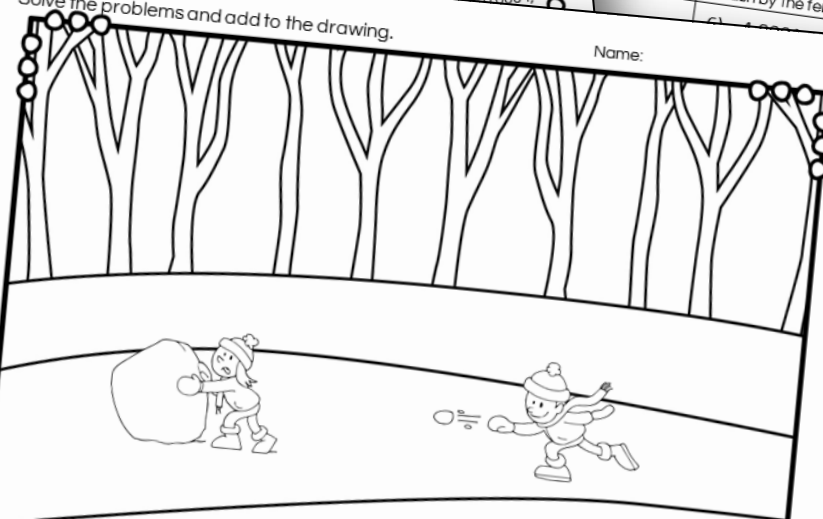
- ☐ If the value of the underlined digit is 0, draw an ice skating snowman.
- ☐ If the value of the underlined digit is 40 thousandths, make it snow.

7) 20,998.07

- ☐ If the value of the underlined digit is 0.7, draw a girl ice skater.
- ☐ If the value of the underlined digit is seven hundredths, draw earmuffs on the original ice skater.

Solve the problems and add to the drawing.

Name: _____



1) Seven and two hundredths

- ☐ If the number in digits in 0.72, draw a snowball in the boy's right hand.
- ☐ If the number in digits is 7.02, draw a boy throwing snowballs at the original boy.

2) Three hundred fifty and nine ten-thousandths

- ☐ If the number in digits is 350.009, draw a snowman beside the girl.
- ☐ If the number in digits is 350.900, draw a girl.

5) Ten and thirty-three hundred-thousandths

- ☐ If the number in digits is 0.10033, make it snow.
- ☐ If the number in digits is 10.00033, draw a pile of snowballs next to the original boy.

6) Five thousandths

- ☐ If the number in digits is 0.5000, draw a fence by the trees.
- ☐ If the number in digits is 0.005, draw a dog playing in the snow.

7) One and forty-six hundredths

Solve the problems and add to the drawing.

Name: _____



5) 7.3152 = 7.352

- ☐ If the number sentence is true, draw a hat on the original reindeer.
- ☐ If the number sentence is false, draw a holly bush by the fence.

6) 1.00033 = 1.00033

- ☐ If the number sentence is true, draw someone in the background.
- ☐ If the number sentence is false, draw someone in the background.

7) 0.5000 = 0.5000

- ☐ If the number sentence is true, draw a reindeer.
- ☐ If the number sentence is false, draw a sled.

8) 0.005 = 0.005

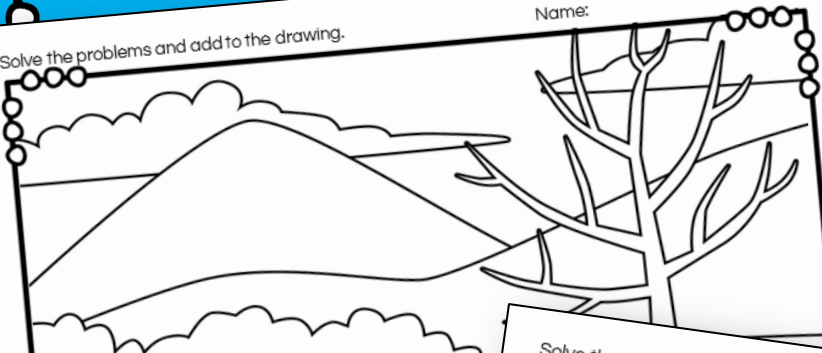
- ☐ If the number sentence is true, draw a pair of ice skates.
- ☐ If the number sentence is false, draw a bird.

Preview file

Preview file

Solve the problems and add to the drawing.

Name: _____



1) 2.6, 2.3, 2.5 _____

- ☐ If 2.6 is the greatest number, draw another kid sledding on the hill.
- ☐ If 2.5 is the smallest number, draw a snowboarder on the hill.

2) 0.99, 1.29, 1.01 _____

- ☐ If 1.29 is the greatest number, draw a ski lift on the mountain.
- ☐ If 1.01 is the smallest number, draw a cardinal on one of the tree branches.

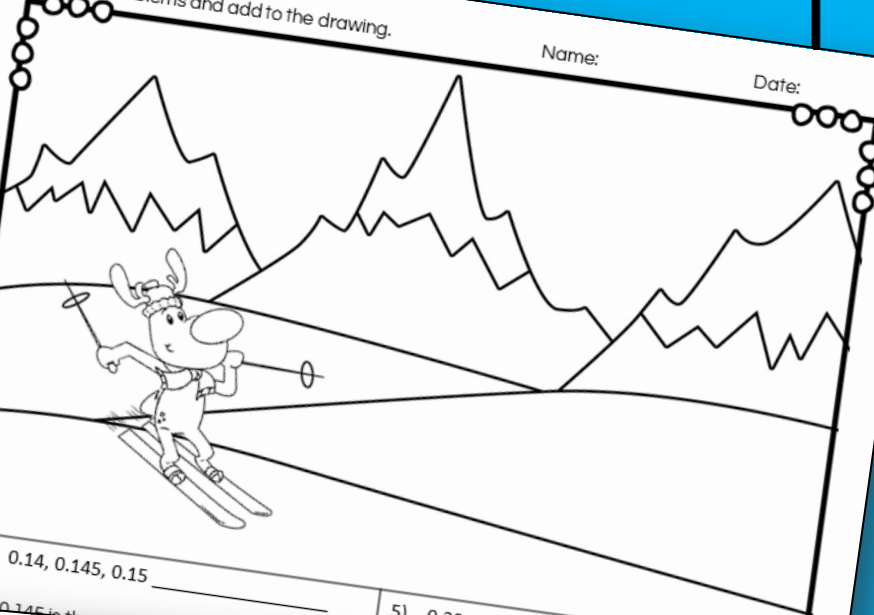
3) 0.46, 0.21, 0.37 _____

- ☐ If 0.37 is the greatest number, draw another tree beside the original tree.
- ☐ If 0.21 is the smallest number, draw a snowman.

Solve the problems and add to the drawing.

Name: _____

Date: _____



1) 0.14, 0.145, 0.15 _____

- ☐ If 0.145 is the greatest number, draw a ski lift on the mountain.

5) 0.28, 0.028, 0.0208 _____

- ☐ If 0.0208 is the greatest number, draw a bear skiing next to the moose.
- ☐ If 0.028 is the smallest number, draw a ski jump in front of the moose.

6) 1.7, 1.07, 1.77 _____

- ☐ If 1.77 is the greatest number, draw a ski lodge on the middle mountain.
- ☐ If 1.7 is the smallest number, draw two ski racing flags by the moose.

7) 0.03, 0.3, 0.003 _____

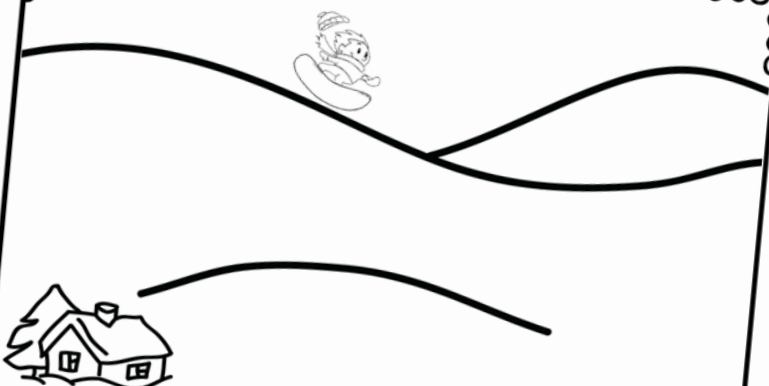
- ☐ If 0.003 is the greatest number, draw a ski lift on one of the mountains.
- ☐ If 0.3 is the smallest number, draw ski goggles on the moose.

8) 0.911, 0.901, 0.931 _____

- ☐ If 0.931 is the greatest number, draw a skier falling down the hill on the right.
- ☐ If 0.911 is the smallest number, draw stripes on the moose's scarf.

Solve the problems and add to the drawing.

Name: _____



1) Round 16.2955 to the nearest tenth.

- ☐ If the answer has a 3 in the tenths place, draw another snowboarder.
- ☐ If the answer has a 2 in the tenths place, draw a tree by the lodge.

2) Round 0.002955 to the nearest hundredth.

- ☐ If the answer has a 3 in the hundredths place, draw a snowman.
- ☐ If the answer has a 2 in the hundredths place, draw smoke from the chimney.

3) Round 7.19449 to the nearest thousandths.

- ☐ If the answer has a 4 in the thousandths place, draw clouds in the sky.

5) Round 0.02925 to the nearest ten-thousandths.

- ☐ If the answer has a 2 in the ten-thousandths place, draw a ski lift on one of the hills.
- ☐ If the answer has a 3 in the ten-thousandths place, draw a ski jump on one of the hills.

6) Round 7.9975 to the nearest hundredth.

- ☐ If the answer has a 9 in the hundredths place, draw a frozen lake in the bottom right corner.
- ☐ If the answer has an 8 in the hundredths place, draw a snowman by the lodge.

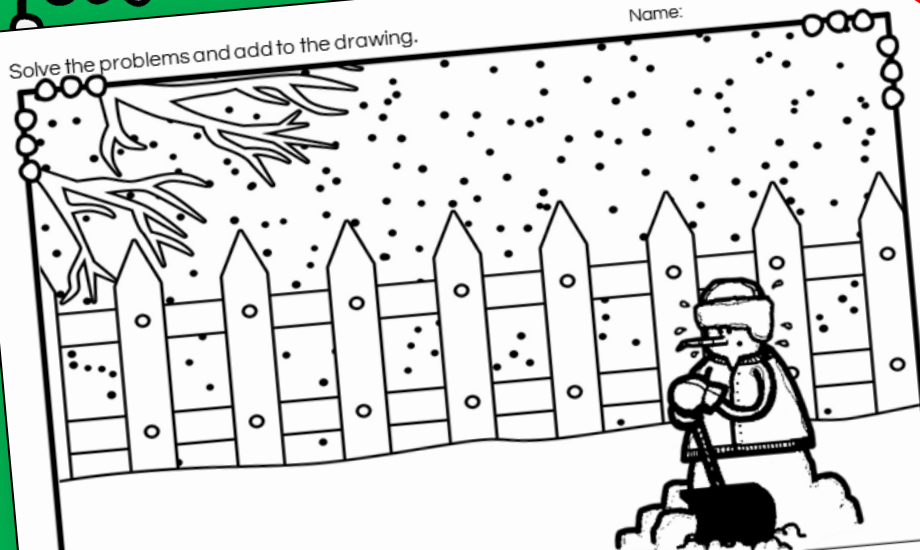
7) Round 17.087 to the nearest tenth.

Preview file

Preview file

Solve the problems and add to the drawing.

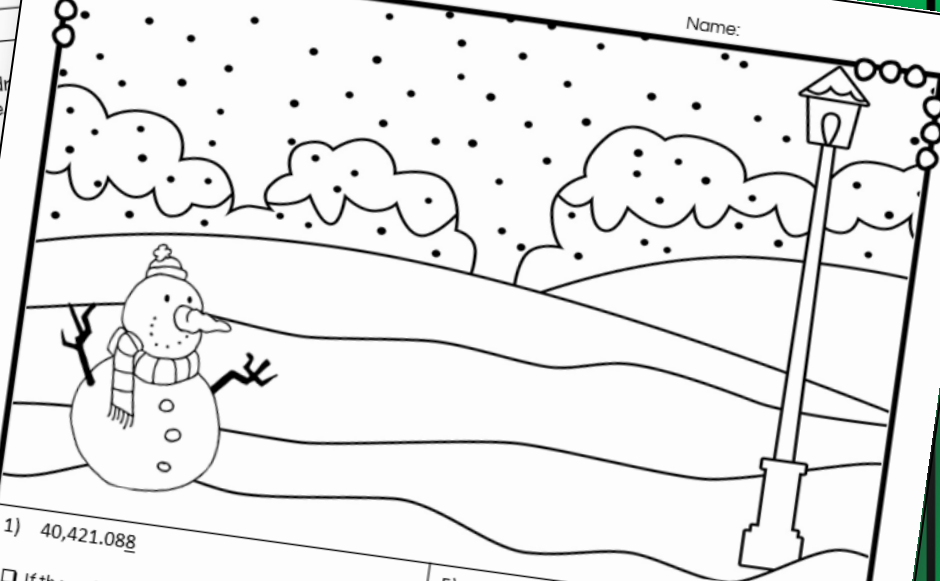
Name: _____



- 1) Round 0.446767 to the nearest thousandths.
 - 5) $8.718 = 8.7180$
- ☐ If the answer has a 5 in the thousandths place, draw a pile of snow by the snowman.
- ☐ If the answer has a 4 in the thousandths place, draw another snowman.
- 2) 2.701, 2.7001, 2.707 _____
- ☐ If 2.707 is the greatest number, draw a shovel leaning against the fence.
- ☐ If 2.7001 is the smallest number, perch a snowman on the fence.
- 3) Three and forty-seven hundredths _____
- ☐ If the number written in digits is 3.47, draw a gate in the fence.
- ☐ If the number written in digits is 3.47, draw an evergreen wreath on the tree.
- 4) $5.883 > 5.803$
- ☐ If the number sentence is true, draw a branch on the tree.
- ☐ If the number sentence is false, draw a snowman.

Solve the problems and add to the drawing.

Name: _____



- 1) 40,421.088 _____
 - 5) 0.71, 0.077, 0.701 _____
- ☐ If the value of the underlined digit is 0.008, draw a broom in the snowman's left hand.
- ☐ If the value of the underlined digit is eight thousandths, draw a snowball in his hand.
- 2) $0.667 > 0.6607$
- ☐ If the number sentence is true, draw another street lamp behind the snowman.
- ☐ If the number sentence is false, draw another snowman.
- 3) Four hundredths _____
- ☐ If the number written in digits is 0.400, draw another snow covered bush in the background.
- ☐ If the number written in digits is 0.04, draw an evergreen tree.
- 4) 0.03, 0.33, 0.13 _____
- ☐ If 0.33 is the greatest number, draw two snow covered bushes behind the original street lamp.
- ☐ If 0.03 is the smallest number, draw a snowman.
- 6) Round 0.6563 to the nearest hundredth
- ☐ If the answer has a 5 in the hundredths place, draw a horse-drawn wagon in the background.
- ☐ If the answer has a 6 in the hundredths place, draw clouds in the sky.
- 7) 44.884612 _____
- ☐ If the value of the underlined digits in 0.8, draw a star in the sky.
- ☐ If the value of the underlined digit is eight hundredths, draw mittens on the original snowman.
- 8) $42.7 < 42.701$
- ☐ If the number sentence is true, draw a snowman.
- ☐ If the number sentence is false, draw a snowman.

Preview file

Preview file

Challenge page

Challenge #1:



Challenge Page

Name: _____

Choose a drawing prompts from the page what was not correct. Create a new equation that fits the prompt, and add the drawing to the original page.

Example:

Original Equation

1) 4.3431

Drawing Prompts

- ☒ If the value of the underlined digit is 0.04, draw another boy ice skater.
- ☒ If the value of the underlined digit is four tenths, draw the moon in the sky.

New Equation

⇒ 4.431

Challenge #1 Workspace:

Challenge #2:

Create a new equation and write two new drawing prompts. One must be correct, the second is your choice to make correct or incorrect.

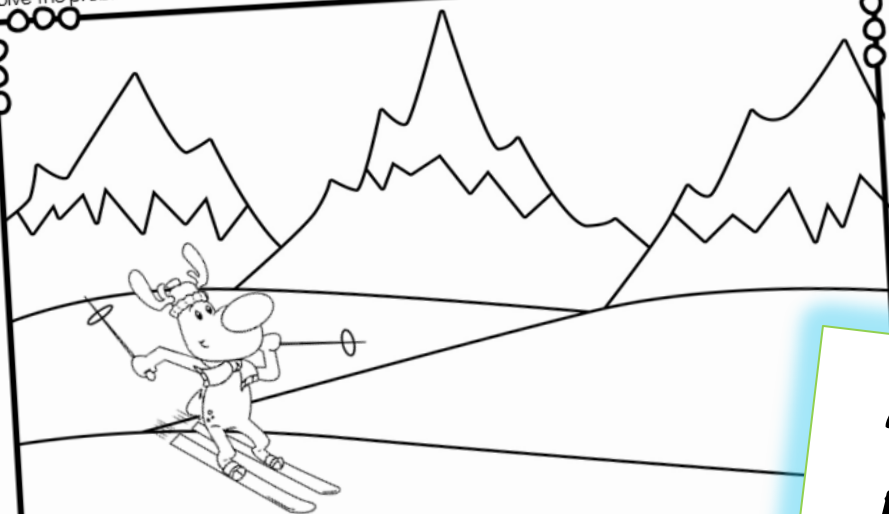
New Equation

Prompts

Solve the problems and add to the drawing.

Name: _____

Date: _____



Answer Keys
provided for
each page

Preview file

1) 0.14, 0.145, 0.15 0.14, 0.145, 0.15

- ☐ If 0.14 is the greatest number, draw mittens
- ☐ If 0.145 is the smallest number, draw earmuffs

2) 3.2, 3.1, 3.17, 3.2

- ☐ If 3.2 is the greatest number, draw two trees on the left
- ☐ If 3.101 is the smallest number, draw two trees on the right

5) 0.28, 0.028, 0.0208 0.0208, 0.028

- ☐ If 0.0208 is the greatest number, skiing next to the moose.
- ☐ If 0.028 is the smallest number, jump in front of the moose.

6) 1.7, 1.07, 1.77 1.07, 1.7, 1.77

- ☐ If 1.77 is the greatest number, draw a ski lodge on the middle mountain
- ☐ If 1.7 is the smallest number, draw two ski racing flags by the moose.

Thank you for previewing!

Please contact me at activatededucation@gmail.com or via my store Q&A you have any questions, concerns, or feedback.

Thank you!



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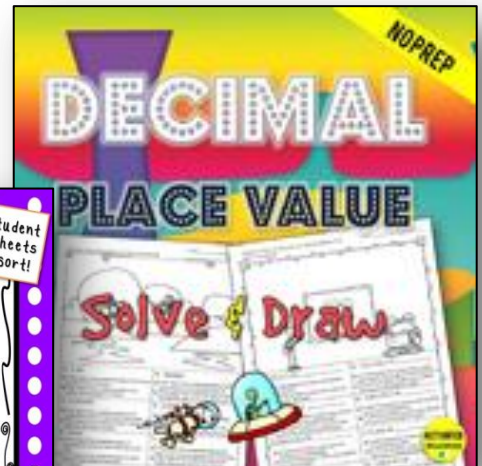
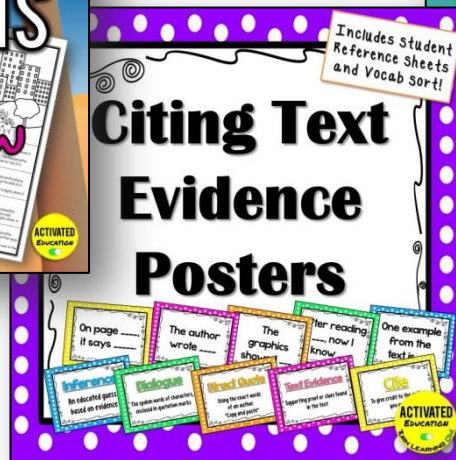
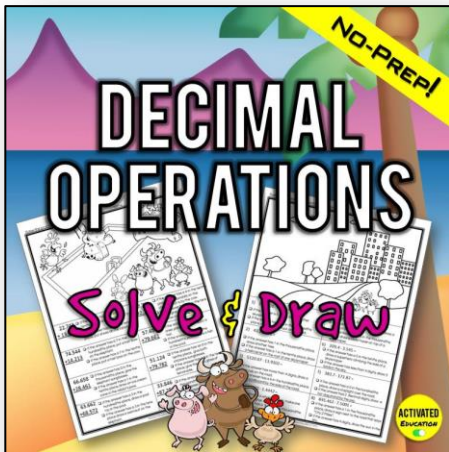


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