

CIRCLES:

AREA &

CIRCUMFERENCE

Solve

& Draw



PREVIEW FILE



CIRCLES: AREA & CIRCUMFERENCE

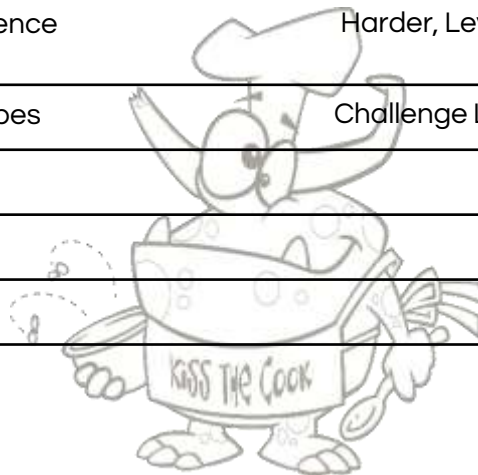
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CIRCLES: AREA & CIRCUMFERENCE

Solve & Draw

DIRECTIONS

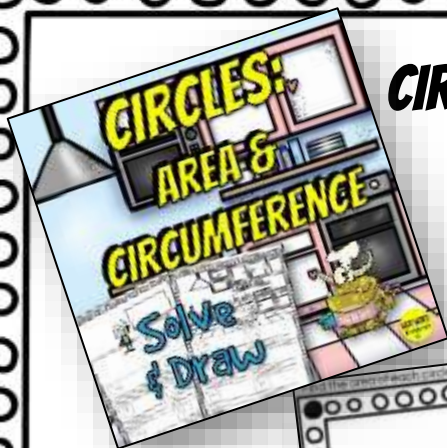
Solve and Draw no-prep printables for are an easy, no-prep way to make math practice more engaging. This resource may be used as a fun quiz or review, for center or station activities, for fast finishers, as homework, or as a sub day activity.

How Solve & Draw Activities Work

Students solve the area and circumference problems and add to the drawing based on their answers. Two versions of each page (excluding the challenge page) are included. One has answers with Pi, the other has answers that require calculating with Pi. The drawings and prompts are identical – to tell the difference you will need to look at the answer choices or at the top left circle of the border. Level 1 pages have a black circle in the top left of the border.

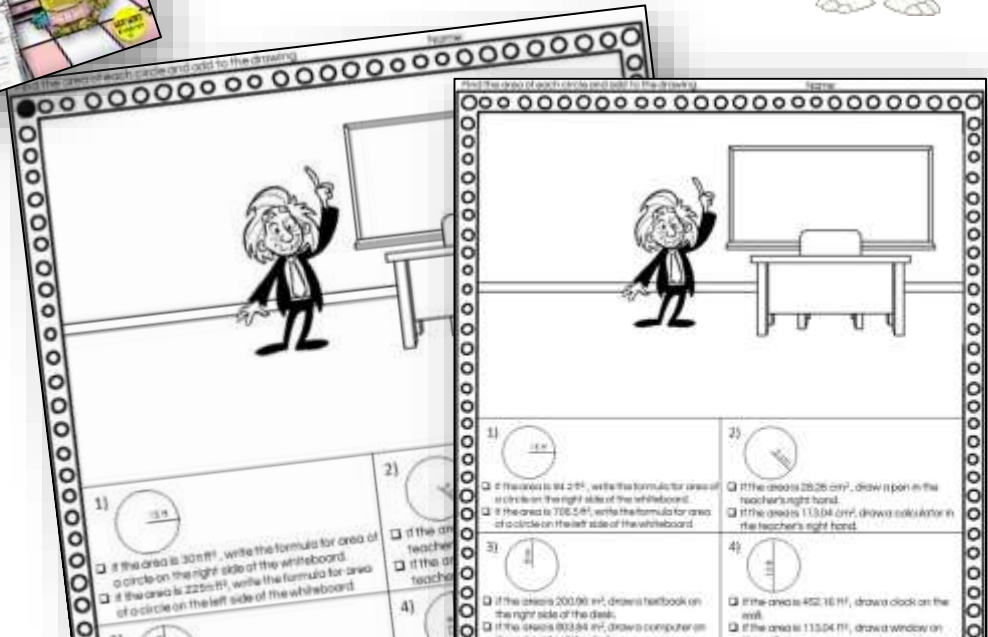
An optional challenge page is included that can be copied on the back of the worksheet or given to fast finishers– this gives students an extension opportunity by asking them to create a new problem using a circle with new dimensions. They get to create their own drawing prompts and can then add those to their drawings. You may also have them share these challenge problems with the rest of class, which provides additional practice for everyone.



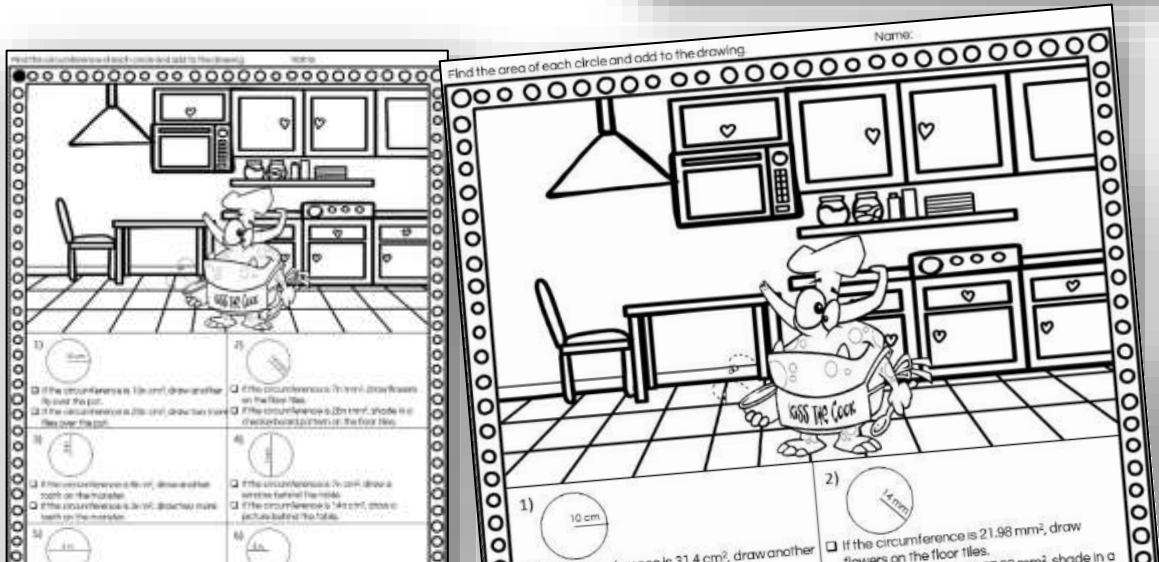


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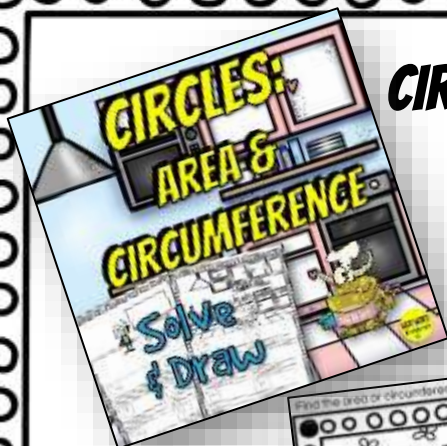
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Area of Circles:
Two Versions

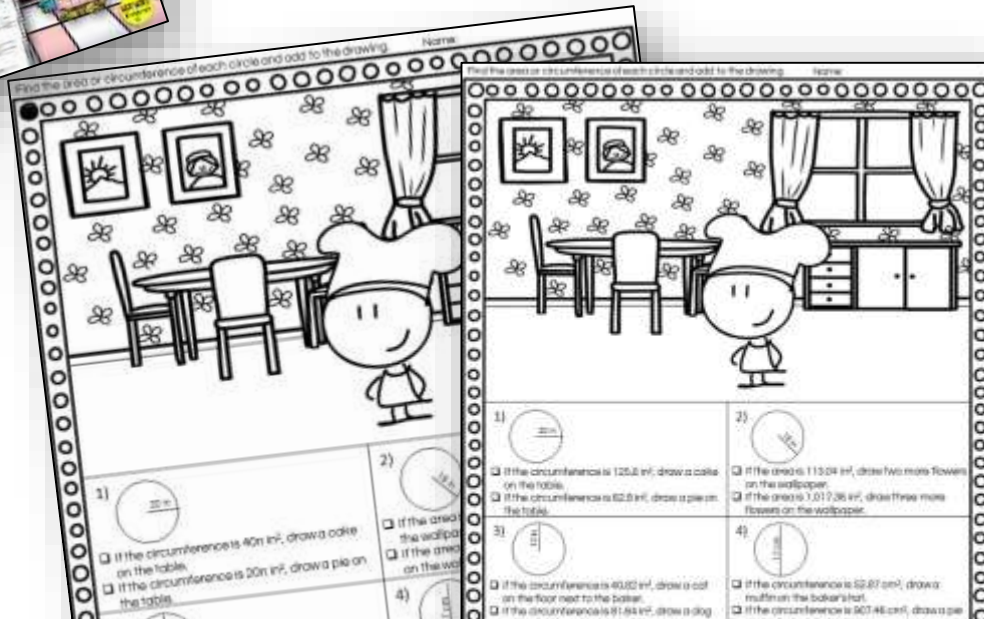


Circumference of Circles:
Two Versions

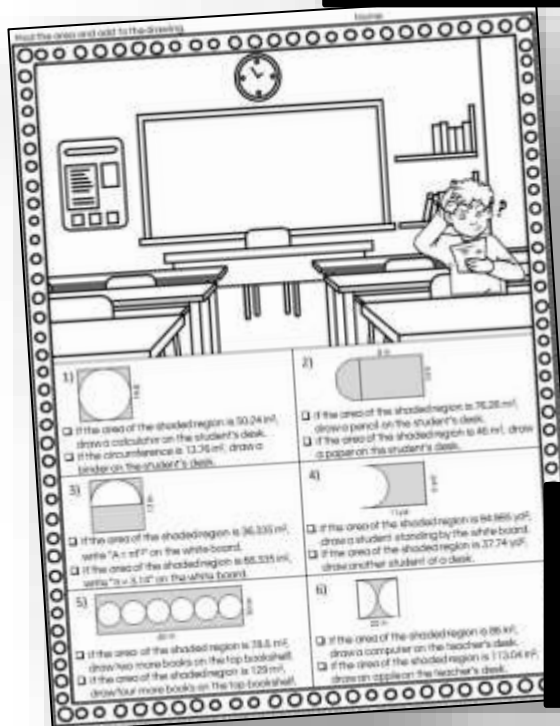


CIRCLES: AREA & CIRCUMFERENCE

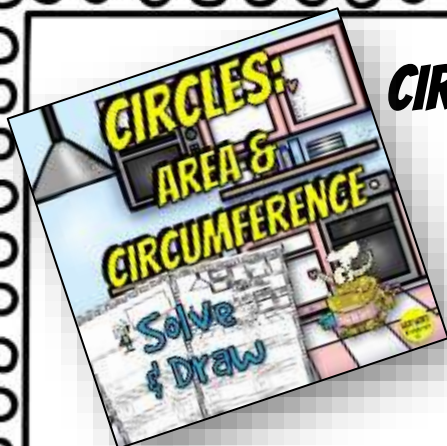
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Mixed Area & Circumference:
Two Versions



Area of
Compound
Shapes!



CIRCLES: AREA & CIRCUMFERENCE

Solve & Draw
PREVIEW!



Challenge Page

Name: _____

Directions: Create a circle with new dimensions and write two new drawing prompts. One must be correct, the second is your choice to make correct or incorrect.

New Circle	Drawing Prompts

Challenge Page

Find the area of each circle and add to the drawing

ANSWER KEY

1) ☒ If the area is 301.68 ft^2, write the formula for area of a circle on the right side of the whiteboard. ☒ If the area is 225 m^2, write the formula for area of a circle on the left side of the whiteboard.	2) ☒ If the area is 50 cm^2, draw a pen in the teacher's right hand. ☒ If the area is 36 cm^2, draw a calculator in the teacher's right hand.
3) ☒ If the area is 64 m^2, draw a textbook on the right side of the desk. ☒ If the area is 256 m^2, draw a computer on the right side of the desk.	4) ☒ If the area is 144 ft^2, draw a clock on the wall. ☒ If the area is 36 ft^2, draw a window on the wall.
5)	6)

Answer Keys

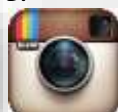
Thank you for downloading this free sample!

I hope this resource makes a difference for the students in your classroom. Please contact me at activatededucation@gmail.com or if you have any questions, concerns, or feedback.

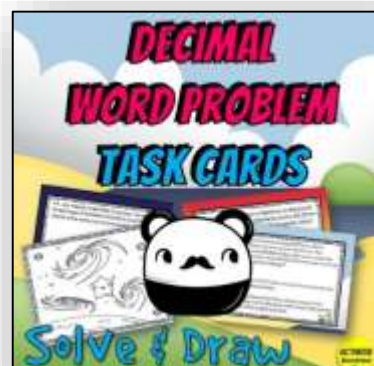
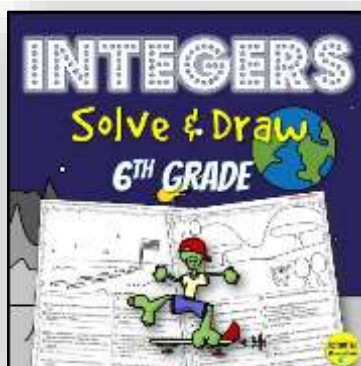
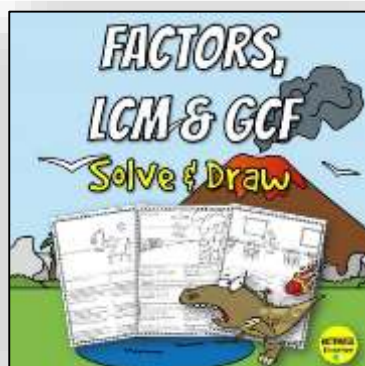
Thank you!



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