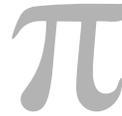


# Happy Pi Day

Trace the symbol for pi.



## Pie Maze



Chow down on these Pi Day puzzles for delicious fun!

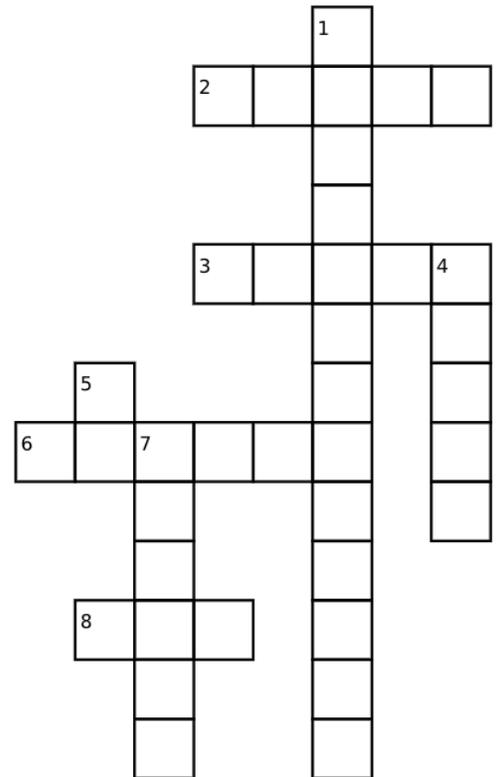
## Crossword Puzzle

### Down

1. the distance around a circle
4. closest round number to Pi
5. an infinite number used to calculate the outside (circumference) of a circle
7. distance from the center of a circle to the edge of the circle

### Across

2. a piece of a larger object
3. crispy or flaky shell on the outside of a pie that holds the filling inside
6. a perfectly round, flat shape with no corners
8. a delicious round dessert often filled with fruit



Circle the shape which uses pi.



Square



Circle



Triangle

Write the first three numbers of pi: \_\_\_\_ . \_\_\_\_ \_\_\_\_

What does this  $\approx$  symbol mean?

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Estimate: Is pi closer to 3 or 4?

Pi ( $\pi$ )  $\approx$  3.14

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What's a mathematician's favorite dessert?



Why do you think mathematicians estimate pi instead of writing all its digits?

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## Word Search

Circumference	Radius	Diameter
Area	Equation	Pi
Circle	Math	Slice

M	O	U	A	N	R	E	T	E	M	A	I	D	E	J
Y	I	E	M	W	T	R	Y	P	D	E	H	Q	B	Y
O	N	C	E	N	B	G	S	L	I	C	E	G	L	W
F	Z	N	P	U	T	C	J	K	H	C	B	Y	A	M
F	O	E	K	S	P	M	M	G	Q	K	S	V	R	B
S	Z	R	C	D	D	K	C	E	M	N	V	A	K	O
R	F	E	S	E	Q	U	A	T	I	O	N	L	Q	I
X	N	F	A	M	Z	X	Z	E	A	I	N	Y	L	W
G	R	M	C	I	R	C	L	E	F	P	K	V	S	Y
T	P	U	S	X	F	A	E	H	U	V	B	H	F	J
E	Q	C	W	I	Y	V	D	H	U	X	I	V	S	I
X	H	R	M	B	N	Z	T	I	Q	N	Z	N	R	J
J	Y	I	L	M	C	A	I	C	U	C	R	F	P	K
G	G	C	P	P	M	N	H	Q	J	S	L	I	B	A
D	O	Q	L	D	H	S	K	A	K	A	E	R	A	V

## Matching Game

Circle at least 3 differences



Without calculating: Would a larger circle have a larger circumference? Why?

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