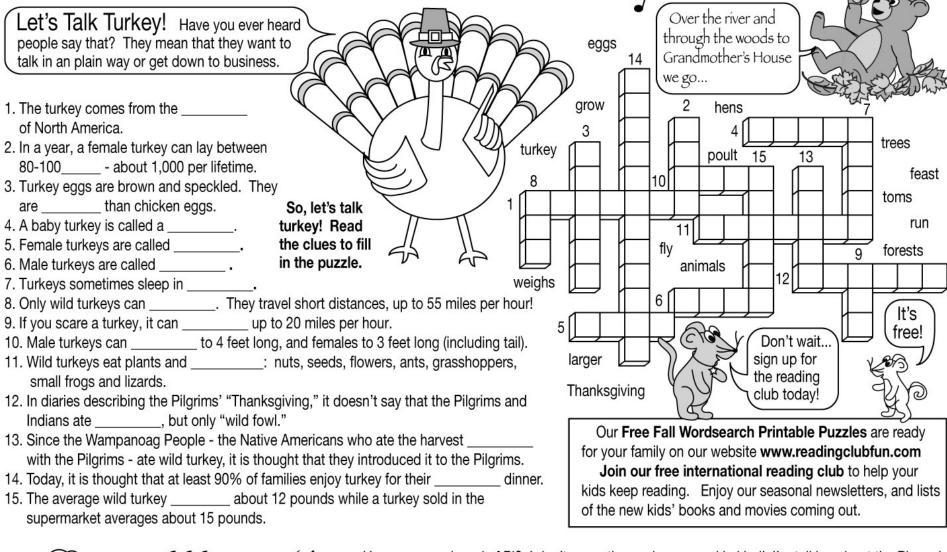


Happy Thanksgiving, Everyone! 🖈



Gobbling Pi(e)!

Have you ever heard of Pi? I don't mean the apple or pumpkin kind! I'm talking about the Pi used in math. Pi is a number. It's the number you get when you divide the "line around" the outside of a circle by the "line going across" the middle point of the circle. Pi is the same for every circle!

Pi is the number 3.14159...the numbers to the right side of the decimal point never end - they go on and on forever. Even supercomputers have not found the last number in Pi.

Why do people care about Pi? It can tell you the area of a circle or the volume of a sphere (basketballs and soccer balls are spheres.) Why should you have to learn about Pi? Because Pi is used in the math people use to design or build everyday things we need such as machines.

Read these statements to learn how Pi helps us figure out how parts of our world work! Then fill in the puzzle with the words in bold print:

- 1. Architects use Pi to design patterns like curves and **arches** in houses and buildings.
- 2. **Scientists** use Pi to learn how molecules work in our body, which helps them design new medicines.
- 3. To make the arcs and curves in the **print** you are reading right now on this page.
- 4. Engineers use it to design every part of a bridge: arches, beams, wires.
- 5. Parts of a car steering wheel, engine belts, tires and gears are all designed using Pi.
- 6. When an **airplane** travels around the earth it is on the path of an arc. The path must be figured out in order to know how much fuel the plane will need.
- 7. The program an artist uses on his **computer** to draw 3-D drawings and artwork will use Pi.
- 8. TVs and radios are designed using Pi to let them receive programs over the air.
- 9. Sports stadiums and the domes built over them were figured out by using math with Pi!
- 10. Your bicycle tires and gears were designed using math that has Pi in it.

