

1 Blockhouse

FACTS

1. The Blockhouse was built in 1764.
2. The Blockhouse has five sides and each side is about 22 feet long.
3. Beginning in 1785, the Blockhouse was used as a home. In 1787, Neville B. Craig was born there. He became one of Pittsburgh's first historians.

QUESTIONS

How old is the Blockhouse?

What is the perimeter of the Blockhouse?

How old was the Blockhouse when Neville B. Craig was born there?



② Monongahela Incline

FACTS

1. The incline opened in 1870.
2. Each car holds 25 passengers.
3. The cars climb 367 feet from the Carson Street station to the Grandview Avenue station.
4. The incline track is 635 feet long.

QUESTIONS

How old is the Monongahela Incline?

How many trips would the incline have to make if 125 students wanted to ride, round-trip?

The Ohio River at the Point is 710 feet above sea level. About how far above sea level are you when you get to the top of the incline?

If it took workers one day to repair 127 feet of track, how many days would they need to repair all the track?



③ The Landmarks Building

FACTS

1. This building was originally the passenger station and headquarters of the Pittsburgh & Lake Erie Railroad. It opened in 1901.
2. 70 passenger trains used to stop here each week day.
3. 400 cans of oven cleaner were used to clean the stained-glass ceiling when the building was adapted for use as the Grand Concourse Restaurant. The offices of the Pittsburgh History & Landmarks Foundation are on the fourth floor of this building.

QUESTIONS

How old is the building?

How many trains would stop at the P&LE station over a five-day period?

If each can of oven cleaner costs \$3.50, how much money did it cost to buy 400 cans?

If you bought 400 cans of oven cleaner, how much change would you get from \$1,500?

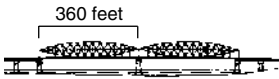


④ Smithfield Street Bridge

FACTS

1. The bridge opened in 1883.

2. Each lenticular span is 360 feet long. Lenticular means looking like a lens seen on edge.



3. 313 light bulbs illuminate the bridge at night.

4. The bridge deck is usually about 42 feet above the Monongahela River level.

QUESTIONS

How old is the Smithfield Street Bridge?

The bridge is made of two lenticular spans. What is the total distance of the spans?

If 43 light bulbs burnt out, how many would still be lit?

If the river rose 15 feet during a flood, how far from the water would the bottom of the bridge deck be?



⑤ Allegheny County Courthouse & Jail

FACTS

1. The Allegheny County Jail was completed in 1886. The Courthouse was completed in 1888.
2. There are 306 windows in the Courthouse and 80 doors.
3. The main tower of the Courthouse rises 325 feet from the street and was the tallest structure in Pittsburgh until 1901.

QUESTIONS

How old is the Jail?

How old is the Courthouse?

How many more windows are there in the Courthouse than doors?

For how many years was the Courthouse tower the tallest structure in Pittsburgh?



⑥ U.S. Steel Tower

FACTS

1. The USX Tower was completed in 1970.
2. It is 64 stories tall and rises 841 feet.
3. The building is made of steel and originally was the headquarters of the United States Steel Corporation.

QUESTIONS

How old is the USX Tower?

About how many feet high is each story?

If a student is 5 feet tall, about how many students could be piled up to reach the top of the USX Building?



7 Gulf Building

FACTS

1. The Gulf Building opened in 1932.
2. The foundation of the building extends 90 feet below ground, and the 44-story-tower rises 582 feet above ground.
3. There are 1,701 windows.

QUESTIONS

How old is the Gulf Building?

How tall is the Gulf Building from the base of its foundation below ground to the top of the building?

If a window cleaner can clean about 20 windows in one hour, about how many hours would it take to clean all the windows in the Gulf Building?



⑧ Smithfield United Church

FACTS

1. The church was completed in 1926.
2. The octagonal spire is 80 feet high. It is made out of cast aluminum on a steel frame and cost about \$35,000 to build.
3. Inside, the church has an 18-foot rose window from an earlier church of 1875.

QUESTIONS

How old is the church?

If people decided to give \$5.00 each to help pay for the steeple, how many people would have to give money in order to pay the total cost?

What is the radius of the rose window?



9 Burke's Building

FACTS

1. This office building, the oldest in Pittsburgh, was completed in 1836. It is now the headquarters of the Western Pennsylvania Conservancy.
2. The Great Fire of Pittsburgh occurred in 1845 and much of the city burned. Burke's Building survived because it was made of wood, sandstone, and brick.
3. There are 14 large windows on the three-story building.

QUESTIONS

How old is the building?

How old was the Burke's Building when the Great Fire occurred?

If each window has 12 panes of glass, how many window panes are there?



10 PPG Place

FACTS

1. PPG Place opened in 1984. It consists of a main tower and five smaller buildings.
2. 231 spires decorate PPG Place.
3. 6,000 people work in PPG Place.
4. One million square feet of glass covers PPG Place.

QUESTIONS

How old is PPG Place?

Approximately how many spires are on each of the six buildings?

If 238 people were on vacation one day, how many people would still be working at PPG Place?

If one square foot of glass costs 50 cents, how much money did all the glass for PPG Place cost?

