

MEET THE PHILADELPHIA ORCHESTRA



Remember: *acoustics is the science of how sound travels inside a concert hall*

Here are some fun statistics about the building materials for the Kimmel Center, where the Philadelphia Orchestra rehearses and performs:

- 29,054 total cubic yards of concrete (as much as 92 miles of 5 foot wide sidewalk!!)
- 317,000 masonry blocks and 3,700 total tons of structural steel
- 2,281 tonnage of rebar (reinforcing steel bars)
- 61,048 linear feet of structural steel tubing to support the glass roof
- 1,400 tons of steel in the arches to support the glass end walls
- 156,677 square feet of glass glazing and 660 tons of weights to hold the glass end walls
- 9,300 gallons of paint, 594 doors, 2 ½ miles of handrails, and 14 elevators
- and last but not least: 144 bathroom fixtures !!

Orchestra Math: if 86 of the bathrooms are for girls and 58 of the bathrooms are for guys, who gets more bathrooms? _____

Circle the names of instruments you might find in an orchestra:

- | | | | | |
|-------------|---------|--------|-----------|-------|
| Banjo | Trumpet | Violin | Harmonica | Flute |
| String Bass | Bassoon | Oboe | Accordion | |

Which instrument gives the tuning note? O _____

Would you like to play an instrument in an orchestra? Why or why not?

Do you think Jollip should get to play with the orchestra? _____

EXTRA CREDIT: NOTE READING SKILLS

Note Reading Review

These are notes for the treble clef:
How many different letters from the alphabet do we use? _____



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