

Math ISAT: Number Sense

Skills: Roots, Exponents, and Logarithms

Students:

RIT Above 261:
• *No Skills Listed*

Students:

RIT 251-260:
• Uses fractional and negative exponents as optional ways of representing problem situations (e.g., $27^{2/3} = (27^{1/3})^2 = 9$)

Students:

RIT 241-250:
• *No Skills Listed*

Students:

RIT 231-240:
• Uses powers of 10 to represent numbers (e.g., $8 \times 10^3 = 8000$)
• Uses correct terminology for powers
• Compares numbers written exponentially
• Applies rules for multiplying and dividing powers

Students:

RIT 221-230:
• Writes a power as a product of multiplied numbers and vice versa (e.g., $2^4 = 2 \times 2 \times 2 \times 2$)
• Uses powers to represent 10, 100, 1000, 10,000, and 100,000
• Uses powers of 10 to represent numbers (e.g., $8 \times 10^3 = 8000$)
• Compares numbers written exponentially

Students:

RIT 211-220:
• Writes a power as a product of multiplied numbers and vice versa (e.g., $2^4 = 2 \times 2 \times 2 \times 2$)
• Uses powers to represent 10, 100, 1000, 10,000, and 100,000

Students:

RIT 201-210:
• Models square numbers

Students:

RIT 191-200:
• *No Skills Listed*

Students:

RIT 181-190:
• *No Skills Listed*

Students:

RIT 171-180:
• *No Skills Listed*

Students:

RIT 161-170:
• *No Skills Listed*

Students:

RIT Below 161:
• *No Skills Listed*