

Radicals and Rational Exponents

1. Cut out the triangles
2. Connect expressions in radical form to the matching exponential form.
3. Tape or paste the rational exponents together and turn in.

The image contains 15 triangles with the following expressions:

- Triangle 1: $1000^{-1/3}$, 27 , -27
- Triangle 2: 256 , 18 , 12
- Triangle 3: 81 , 252 , $(-243)^{1/3}$
- Triangle 4: 5 , $125^{2/3}$, $(-27)^{1/3}$, -2
- Triangle 5: 10 , 3 , $16^{5/4}$
- Triangle 6: 91 , $49^{2/7}$, $(-32)^{1/5}$
- Triangle 7: 32 , 243 , $(-125)^{-1/5}$
- Triangle 8: 625 , -64 , $18^{4/5}$
- Triangle 9: 11 , 8 , $9^{2/3}$
- Triangle 10: 125 , $(-27)^{4/3}$, $125^{3/4}$
- Triangle 11: 49 , 3 , $8^{2/3}$
- Triangle 12: 9 , $36^{-1/2}$, 4
- Triangle 13: 100 , $(-8)^{3/5}$, -5
- Triangle 14: 64 , 52 , $16^{1/4}$
- Triangle 15: 2 , $27^{3/2}$, -57
- Triangle 16: 96 , $4^{2/3}$, 1

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- Triangle 4: 5 , $125^{2/3}$, $5^{1/2}$, $91^{2/3}$, $(-27)^{1/3}$, -2
- Triangle 5: 10 , 3 , $16^{5/4}$, 91
- Triangle 6: 91 , $492^{1/4}$, $(-32)^{1/5}$
- Triangle 7: 32 , 243 , $(-521)^{1/4}$
- Triangle 8: 625 , -64 , $18^{4/5}$
- Triangle 9: 11 , 8 , $9^{2/3}$
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- Triangle 11: 49 , 3 , $8^{2/3}$
- Triangle 12: **nine**, $36^{-1/2}$, 4
- Triangle 13: **six**, $64^{2/3}$, -4
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