SLIDE 14 - Basic real estate math - calculating acreage
As a broker or sales associate there will be times you will have to calculate property dimensions and square footages from the legal description.

In this section we'll wrap up this lesson by covering a couple of easy methods for doing that.

## SLIDE 15

## Section acreage

Remember our quick calculation method.

1. Multiply the denominators of the fractional descriptions together.
2. Divide 640 by the resulting number.

So for this example:
$\mathrm{E}^{1} / 2$ of the $\mathrm{NE}^{1} / 4$ of the $\mathrm{NE}^{1} / 4$ of Section 1
$\frac{640}{(2 \times 4 \times 4)}=20$ acres


## Alternative calculation

Another method would be to multiply 640 acres by the different fractions. So for our previous example.

## $\mathrm{E}^{1} / 2$ of the $\mathrm{NE}^{1 / 4}$ of the $\mathrm{NE}^{1 / 4}$ of Section 1

$640 \times .5=320 \times .25=80 \times .25=20$ acres
Some math constants to remember are:
Area is expressed in feet or yards squared
Area of a rectangle is Area $=$ length $x$ width
Area of a triangle is Area $=1 / 2$ base $\times$ height
1 Acre is 43,560 square feet
So for our sample calculation which told us the subsection was 20 acres, that would work out to be $20 \times 43,560$ or 871,200 sq feet.

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Basic real estate math - calculating acreage
Alternative calculation
Another method would be to multiply }640\mathrm{ acres by
the different fractions. So for our previous example.
E 1/2 of the NE 1/4 of the NE 1/4 of Section 1
640x. }5=320\times.25=80\times.25=20 acres
Area is expressed in feet or yards squared
Area of a rectangle is Area = length }\textrm{x}\mathrm{ width
Area of a triangle is Area = 1/2 base }x\mathrm{ height
1 Acre is 43,560 square feet
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[^0]| Slide 17 | Summary |
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| Slide 20 | Summary |
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[^0]:    Section 10: Legal Descriptions

