

# Math Strategy

## PROPERTIES

- Recognizing number properties will save you time on test day.
- Number properties rules include odds and evens, prime numbers, and the order of operations.
- You can pick numbers to help you remember the rules.



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# Math Strategy

## MATH RELATIONSHIPS

- Know the difference between values, ratios, and percents.
- A ratio is a relationship between numbers.
- Make sure you're able to move easily between percents, fractions, and decimals.



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# Math Strategy

## KNOW YOUR TRIANGLES

- You must know the 30-60-90 and 45-45-90 rules.
- The ACT does not provide this information at the beginning of the math section like the SAT does, so be sure to memorize this information ahead of time.
- Pythagorean triplets (3:4:5 and 5:12:13 and their multiples); will save you time on Test Day!



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# Math Strategy

## COMMON SHAPES

- Find common shapes on the ACT to help you break complex figures into simple polygons.
- Look in particular for triangles; they're full of valuable information.
- Parallel and perpendicular lines give us lots of valuable information as well. If you see line intersections, remember your properties!



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## FAMILIAR MISTAKES

- Be on the lookout for common trap answers on the ACT.
- Watch out for answers to steps along the way to the final answer. Be careful with negative signs!



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