

Name _____

2-3A Lesson Master

Questions on SPUR Objectives
See pages 125–127 for objectives.

USES Objective G

In 1–3, let n be the number used to solve the given puzzle. Use algebra to show how the puzzles work.

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| <p>1. (1) Pick a number. _____</p> <p>(2) Subtract 3. _____</p> <p>(3) Multiply by 6. _____</p> <p>(4) Add 12. _____</p> <p>(5) Divide by 3. _____</p> <p>(6) Add 5. _____</p> <p>(7) Subtract twice your original number. _____</p> | <p>2. (1) Pick a number. _____</p> <p>(2) Multiply by 3. _____</p> <p>(3) Add 5. _____</p> <p>(4) Add 4. _____</p> <p>(5) Divide by 3. _____</p> <p>(6) Subtract 3. _____</p> <p>You will always end up with your original number.</p> |
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You will always end up with 3.

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| <p>3. (1) Pick a number. _____</p> <p>(2) Add 7. _____</p> <p>(3) Multiply by 9. _____</p> <p>(4) Subtract 15. _____</p> <p>(5) Divide by 3. _____</p> <p>(6) Subtract 20. _____</p> <p>(7) Add 4. _____</p> | <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> |
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You will always end up with 3 times your original number.

4. Create a number puzzle that ends with twice your original number.
- _____
- _____
- _____
- _____