1.Multiply. Write your answer in lowest terms.



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| 2. Multiply and simplify:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D7%23%7B%23%2E%2321%3Flufq%3D%7B%3Fpvs%3D1%3F%2Cpvs%3D%23%28%230%23%7B%23%28%231%3F%2Cal%7B%3D%25glw8%3Fal%7B%3D%7B%3Fpvs%3D1%3F%2Cpvs%3D%23%2E%232%3Flufq%3D%7B%23%2E%230%3F%2Cal%7B%3D3. Divide. Write your answer in lowest terms.http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D1%23w%23z%3Flufq%3Dz%3F%2Cal%7B%3D%23%25gju8%23%3Fal%7B%3D%3B%23w%3Flufq%3D6%23z%3F%2Cal%7B%3D4. Simplify.7mn2———9p3 q———28n3———3p4 q2

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| **Question #5/19**Simplify as much as possiblehttp://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%09%3Fal%7B%3Dv%3Flufq%3Dv%23%28%23%3Fal%7B%3D7v%3Flufq%3D6%23%28%09%3Fal%7B%3D2%3Flufq%3Dv%23%28%232%3F%2Cal%7B%3D%3F%2Cal%7B%3D%3F%2Cal%7B%3D%09 . |

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| 6. Subtract. Write your answer in lowest terms.http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%23%3Fal%7B%3D6z%23%28%23%3Bv%3Flufq%3D%3Az%3F%2Cal%7B%3D%23%2E%23%3Fal%7B%3D%3Bz%23%28%235v%3Flufq%3D%3Az%3F%2Cal%7B%3D%09 |

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| **Question #7/19**Express as a single fraction in lowest terms:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%2E%25wkjmps8%3B%23%25wkjmps8%23%28%25ps8%09%3Fal%7B%3D4w%25wkjmps8%2E%25wkjmps8t%3Flufq%3D1w%3F%2Cal%7B%3D%09%25ps8%28%25ps8%09%3Fal%7B%3D1w%25wkjmps8%2E%25wkjmps80t%3Flufq%3D0w%3F%2Cal%7B%3D%09  . |

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| **Question #8/19**Subtract and simplify:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D2%3Flufq%3D%7B%23%2E%232%3F%2Cal%7B%3D%23%2E%23%3Fal%7B%3D1%23%7B%23%28%230%3Flufq%3D%7B%3F%2Cal%7B%3D |

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| 9. Add and simplify:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D0%3Flufq%3D6%23%7B%3Fpvs%3D1%3F%2Cpvs%3D%23%2E%23%7B%23%2E%237%3F%2Cal%7B%3D%23%28%23%3Fal%7B%3D1%3Flufq%3D6%23%7B%3Fpvs%3D1%3F%2Cpvs%3D%23%28%2327%23%7B%23%28%23%3B%3F%2Cal%7B%3D |

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| **Question #10/19**Simplify.http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D0y%3Fpvs%3D1%3F%2Cpvs%3D%23%2E%2321%3Flufq%3Dy%3Fpvs%3D1%3F%2Cpvs%3D%23%28%231y%23%2E%23%3B%3F%2Cal%7B%3D |

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| **Question #11/19**Reduce the following rational expression to its lowest terms:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D5%23z%3Fpvs%3D5%3F%2Cpvs%3D%23y%3Fpvs%3D1%3F%2Cpvs%3D%23%2E%23%3B%23z%3Fpvs%3D5%3F%2Cpvs%3D%3Flufq%3D1%23%7B%3Fpvs%3D1%3F%2Cpvs%3D%23z%3Fpvs%3D0%3F%2Cpvs%3D%3F%2Cal%7B%3D . |

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12.Solve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?v:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%23%3Fal%7B%3D0%3Flufq%3Dv%3F%2Cal%7B%3D%23%3E%23%2E%23%3A .Simplify your answer as much as possible.**Question #13/19**Solve the following equation for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?v:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D2%3Flufq%3Dv%23%2E%236%3F%2Cal%7B%3D%23%3E%23%2E4 .Simplify your answer as much as possible. |
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| **Question #14/19**Solve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?y .http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3A%23%28%23%3Fal%7B%3D1%3Flufq%3Dy%23%2E%232%3F%2Cal%7B%3D%23%3E%23%2E%3Fal%7B%3D7%3Flufq%3Dy%23%2E%231%3F%2Cal%7B%3D(If there is more than one solution, separate them with commas.) |

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| **Question #15/19**Solve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?y .http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3Dy%23%28%230%3Flufq%3Dy%23%28%232%3F%2Cal%7B%3D%23%28%232%23%3E%23%3Fal%7B%3Dy%23%28%231%3Flufq%3Dy%23%28%230%3F%2Cal%7B%3D(If there is more than one solution, separate them with commas.) |

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| **Question #16/19**Solve the following proportion for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?u .

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| http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3Du%3Flufq%3D4%3F%2Cal%7B%3D | http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3E | http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D%3B%3Flufq%3D0%3F%2Cal%7B%3D |

Round your answer to the nearest tenth. |

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| **17. question #17/19**Solve the following proportion for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?v:http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?%3Fal%7B%3D%2E%3B%3Flufq%3Dv%3F%2Cal%7B%3D%3E%3Fal%7B%3D1%3Flufq%3Dv%23%28%236%3F%2Cal%7B%3D . |

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| **Question #18/19**A machine produces http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?2%3A1 bolts in http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?05 minutes. At the same rate, how many minutes would it take to produce http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?165 bolts? |

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| **Question #19/19**There are two machines that produce aluminum cans. The newer machine can produce http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?6733cans in http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?2%3B3 minutes. It takes the older machine http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?143 minutes to produce that many cans. If the two machines work together, how long will it take them to produce http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/NM?6733 cans? |

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