

Basic Math Homework #11

- 1) Simplify: $\sqrt{\frac{64}{81}} + \frac{84}{39} \left(\frac{5}{14} - \frac{1}{21} \right) - \frac{5}{3^2}$
- 2) Simplify: $\sqrt[4]{\frac{162}{512}}$
- 3) If Barbara walks $\frac{7}{8}$ miles on Saturday and $\frac{11}{12}$ miles on Sunday, how far did she walk?
- 4) Simplify: $\frac{84}{98} \div \frac{126}{686} \cdot \frac{96}{144}$
- 5) Simplify: $\frac{11}{72} + \frac{5}{54} - \frac{1}{81}$
- 6) Convert $5\frac{4}{9}$ to an improper fraction.
- 7) Simplify: $5\frac{5}{8} \div 2\frac{11}{12} \cdot 1\frac{1}{6}$
- 8) Simplify: $\sqrt{2\frac{1}{4} \cdot \left(1\frac{1}{3}\right)^2}$
- 9) Simplify: $6\frac{4}{9} + 4\frac{1}{6} - 7\frac{5}{12}$
- 10) Convert $\frac{73}{8}$ to a mixed number.
- 11) Simplify: $3\frac{2}{9} \cdot 1\frac{3}{4} \div 3\frac{4}{18}$

Copyright © 2013 by Dr. Joseph Phillips

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without prior written permission from the author.

Basic Math Homework #11

12) Simplify: $\left(2\frac{1}{2}\right)^3 + \sqrt{7\frac{1}{9}}$

13) Simplify: $3\frac{1}{18} - 2\frac{5}{24} + 5\frac{4}{9}$

14) Convert $12\frac{5}{13}$ to an improper fraction.

15) Simplify: $7\frac{5}{17} \div 5\frac{1}{37} \div 6\frac{9}{17}$

16) Simplify: $\sqrt{3\frac{1}{16}} \div \left(2\frac{5}{8}\right)^2$

17) Simplify: $2\frac{7}{20} - 1\frac{3}{8} + 4\frac{1}{12}$

18) Convert $\frac{287}{12}$ to a mixed number.

19) Simplify: $4\frac{3}{8} \cdot 1\frac{1}{15} \div 24$

20) Simplify: $\left(2\frac{2}{3}\right)^2 - \sqrt{5\frac{16}{36}}$

Copyright © 2013 by Dr. Joseph Phillips

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without prior written permission from the author.