

Name: _____



Factoring Monomials

Directions: Write the prime factorization of each monomial without using exponents.



1. $24v$

9. $18y^2$

2. $35f$

10. $28ab$

3. $55xy$

11. $36b^2$

4. $72k$

12. $53xy$

5. $46h^2$

13. $32p^2$

6. $60a$

14. $57y$

7. $17x^2$

15. $16c^2$

8. $66y^2$

16. $92g$

ANSWER KEY

1. $24v$
 $2 \times 2 \times 2 \times 3 \times v$

2. $35f$
 $5 \times 7 \times f$

3. $55xy$
 $5 \times 11 \times x \times y$

4. $72k$
 $2 \times 2 \times 2 \times 3 \times 3 \times k$

5. $46h^2$
 $2 \times 23 \times h \times h$

6. $60a$
 $2 \times 2 \times 3 \times 5 \times a$

7. $17x^2$
 $17 \times x \times x$

8. $66y^2$
 $2 \times 3 \times 11 \times y \times y$

9. $18y^2$
 $2 \times 3 \times 3 \times y \times y$

10. $28ab$
 $2 \times 2 \times 7 \times a \times b$

11. $36b^2$
 $2 \times 2 \times 3 \times 3 \times b \times b$

12. $53xy$
 $53 \times x \times y$

13. $32p^2$
 $2 \times 2 \times 2 \times 2 \times 2 \times p \times p$

14. $57y$
 $3 \times 19 \times y$

15. $16c^2$
 $2 \times 2 \times 2 \times 2 \times c \times c$

16. $92g$
 $2 \times 2 \times 23 \times g$