

WORKSHEET

Multiplying Exponents

Unsolved with Answer key



WORKSHEET

Multiplying Exponents

Question 1: Multiply $6^2 \times 6^4$.

Question 2: Multiply $5^{3/2} \times 2^{3/5^1}$.

Question 3: Multiply $10^{-2} \times 10^5$.

Question 4: Multiply $(y^3)^4$.

Question 5: Multiply $9^{1/2} \times 9^{3/2}$.

Question 6: Multiply $2^{-2} \times 3^{-3}$.

Question 7: Multiply $(4x^3y^2)^2$.

Question 8: Multiply $7^{-1} \times 7^3$

Question 9: Multiply $5^0 \times 5^4$

Question 10: Multiply $(x^5)^2$

Answer Key

Multiplying Exponents

1. $6^6 = 46656$
2. 50
3. $10^3 = 1000$
4. y^{12}
5. 81
6. $1/10^8$
7. $16x^6y^4$
8. 49
9. $5^4 = 625$
10. x^{10}