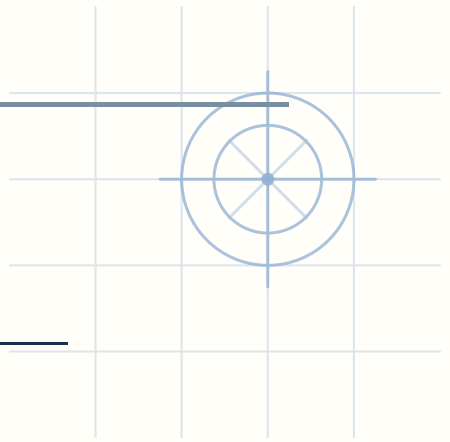


Rational exponents — Mixed

Name: _____

Date: _____

Work out each one. Take the root first, then raise it.



1 $16^{1/4} =$ _____

2 $16^{5/4} =$ _____

3 $8^{4/3} =$ _____

4 $4^{3/2} =$ _____

5 $216^{1/3} =$ _____

6 $125^{1/3} =$ _____

7 $256^{1/4} =$ _____

8 $64^{1/3} =$ _____

9 $16^{1/2} =$ _____

10 $9^{5/2} =$ _____



Rational exponents · Mixed — Answer key

1. $16^{(1/4)} = 2$

2. $16^{(5/4)} = 32$

3. $8^{(4/3)} = 16$

5. $216^{(1/3)} = 6$

6. $125^{(1/3)} = 5$

7. $256^{(1/4)} = 4$

9. $16^{(1/2)} = 4$

10. $9^{(5/2)} = 243$

4. $4^{(3/2)} = 8$

8. $64^{(1/3)} = 4$

