Powers of ten worksheet

5th grade math · Number & Operations in Base Ten · 5.NBT.A.2

Name _____ Date _____

For grown-ups: 12 powers of ten problems, easier ones first. Let your child try each one alone, then check together with the answer key on page 2. A ? marks the missing number or symbol.

1. **960 ÷ 10 = ?**

Answer: _____

2. **8000 ÷ 100 = ?**

Answer: _____

3. **73 × 100 = ?**

Answer: _____

4. **710 ÷ 10 = ?**

Answer: _____

5. **4 ÷ 1000 = ?**

Answer: _____

6. **62 ÷ 10 = ?**

Answer: _____

7. **42 × 10 = ?**

Answer: _____

8. **83 × 10 = ?**

Answer: _____

9. **8.36 × 10 = ?**

Answer: _____

10. **3.28 × 100 = ?**

Answer: _____

11. **9 ÷ 100 = ?**

Answer: _____

12. **90 ÷ 100 = ?**

Answer: _____

Answer key: Powers of ten

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1. **96**
   Dividing by 10 moves the decimal point 1 place left: 96.
2. **80**
   Dividing by 100 moves the decimal point 2 places left: 80.
3. **7300**
   Multiplying by 100 moves the decimal point 2 places right: 7300.
4. **71**
   Dividing by 10 moves the decimal point 1 place left: 71.
5. **0.004**
   Dividing by 1000 moves the decimal point 3 places left: 0.004.
6. **6.2**
   Dividing by 10 moves the decimal point 1 place left: 6.2.
7. **420**
   Multiplying by 10 moves the decimal point 1 place right: 420.
8. **830**
   Multiplying by 10 moves the decimal point 1 place right: 830.
9. **83.6**
   Multiplying by 10 moves the decimal point 1 place right: 83.6.
10. **328**
    Multiplying by 100 moves the decimal point 2 places right: 328.
11. **0.09**
    Dividing by 100 moves the decimal point 2 places left: 0.09.
12. **0.9**
    Dividing by 100 moves the decimal point 2 places left: 0.9.