


Checking Answers with Approximations - Review

$$98.23 \times 8.77 = 8614.771 \quad \times$$

Using approximations

$$100 \times 9 = 900$$

This shows that the answer is too large and must be wrong

Use approximations to show that these calculations are incorrect in a similar way to this 

1. $245 + 1876 = 4326 \quad \times$

2. $9456 - 129 = 8166 \quad \times$

3. $87 \times 23 = 201 \quad \times$

4. $236 \div 4 = 5975 \quad \times$

5. $2.345 + 1.876 = 21.105 \quad \times$

6. $9.345 - 0.876 = 0.585 \quad \times$

7. $32.4 \times 19.7 = 6382.8 \quad \times$

8. $53.7 \div 12.3 = 43.65 \quad \times$


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Use approximations to show that these calculations are incorrect in a similar way to this 

1. $245 + 1876 = 4326 \quad \times$

Using approximations $200 + 2000 = 2200$. This shows the answer of 4326 is too large and must be wrong.

2. $9456 - 129 = 8166 \quad \times$

Using approximations $9500 - 100 = 9400$ shows the answer of 8166 is too small and must be wrong.

3. $87 \times 23 = 201 \quad \times$

Using approximations $100 \times 20 = 2000$ shows the answer of 201 is too small and must be wrong.

4. $236 \div 4 = 5975 \quad \times$

Using approximations $200 \div 4 = 50$ shows answer of 5975 is too large and must be wrong.

5. $2.345 + 1.876 = 21.105 \quad \times$

Using approximations $2 + 2 = 4$ shows answer of 21.105 is too large and must be wrong.

6. $9.345 - 0.876 = 0.585 \quad \times$

Using approximations $9 - 1 = 8$ shows answer of 0,585 is too small and must be wrong.

7. $32.4 \times 19.7 = 6382.8 \quad \times$

Using approximations $30 \times 20 = 600$ shows answer of 6382.8 is too large and must be wrong.

8. $53.7 \div 12.3 = 43.65 \quad \times$

Using approximations $50 \div 10 = 5$ shows answer of 43.65 is too large and must be wrong.