

Name: _____ Date: _____

FOXY FIVES Sheet 1

Directions:

- Use each number once (and only once) to make the given total.
- Write out your combinations, being sure to include parentheses where needed to show the order of operations.

Example:

7 8 1 9 9 total: 16 $(9 \div 9) \times (7 + 8 + 1) = 16$

1) 1 5 3 6 10 total: 5 _____

2) 8 11 9 1 8 total: 2 _____

3) 11 10 15 20 3 total: 6 _____

4) 12 18 3 11 12 total: 8 _____

5) 4 16 10 24 25 total: 1 _____

6) 17 14 7 17 13 total: 7 _____

7) 2 9 5 9 4 total: 22 _____

8) 3 6 10 5 7 total: 2 _____

9) 8 6 10 5 21 total: 7 _____

10) 6 1 2 2 17 total: 8 _____

11) 10 4 1 11 9 total: 5 _____

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FOXY FIVES
Sheet 2

Directions:

- Use these five numbers: **11, 14, 3, 19, 9.**
- Using the five numbers, make the totals from 1 to 11. Write each combination as an equation. Be careful of the order of operations! (Totals 1, 6, and 11 are done for you already.)

1) $(11 + 14 - 19 + 3) \div 9 = 1$

2) _____

3) _____

4) _____

5) _____

6) $11 - [(19 + 9) \div 14 + 3] = 6$

7) _____

8) _____

9) _____

10) _____

11) $[9 - (19 - 14) - 3] \times 11 = 11$

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FOXY FIVES
Sheet 3

Directions:

- Use these five numbers: **2, 3, 5, 7, 11**. (Notice these are the first five prime numbers!)
- Using all five numbers (each exactly once), make the totals indicated in each problem. Write each combination as an equation. Be careful of the order of operations!

1. Find the smallest whole number. But you must use each arithmetic operation exactly once.

2. Find the smallest odd prime number. No restrictions on the operations.

3. Find the smallest odd natural number. No restrictions on the operations.

4. Find the smallest prime number. No restrictions on the operations.

5. Find the smallest composite natural number. No restrictions on the operations.

6. Find the largest composite natural number. No restrictions on the operations.

7. Find the largest odd natural number. No restrictions on the operations.

8. Find the largest even natural number. But like #1, you may use each operation only once.

9. Find a natural number using only subtraction.

10. Find the largest prime number. No restrictions on the operations.
