

Warmup 1

Match each number with its type

Place the best letter in the space before each number.

- | | | |
|-----|------------------|------------------------|
| ___ | 1. 5.2 | a. Integer |
| ___ | 2. 0 | b. Decimal or Fraction |
| ___ | 3. -5 | |
| ___ | 4. $\frac{1}{2}$ | |

Match each data set with its type

Place all appropriate letters in the space before each data set.

- | | | |
|-----|---|----------------|
| ___ | 5. Body temperatures of elderly people during a heat wave | a. Nominal |
| ___ | 6. Letter grades: A, B, C, D, F | b. Ordinal |
| ___ | 7. Outcome of a test for HIV (positive or negative) | c. Dichotomous |
| ___ | 8. Number of traffic accidents at an intersection | d. Ranked |
| | | e. Discrete |
| | | f. Continuous |

Solve

9. $\frac{3}{7} + \frac{1}{8} =$
10. $\frac{3}{7} - \frac{1}{8} =$
11. $\frac{3}{7} * \frac{1}{8} =$
12. $7 * 7 * (-2) =$

Round

Round the number **642.53** to the nearest...

- ___ 13. Tens
___ 14. Tenths
___ 15. Integer

Convert to standard notation (no exponents):

16. $1.46 \times 10^{-3} =$
17. $5.45 \times 10^4 =$

Simplify the following expressions:

18. $\left[22 + \frac{(4-7^2)}{3}\right]^2 =$

19. $4ab - 6bc + 3bc - 2ab =$

Simplify:

20. $4^2 =$

21. $4^{-2} =$

22. $4^{\frac{1}{2}} =$