Move It Around: Worked Answers

Each problem solved the way the lesson does it.

Name: _____ Date: _____

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1. **−2.5 + 7.3 + 2.5**
   - Move it: −2.5 + 2.5 + 7.3.
   - Friends make zero: 0 + 7.3.

   Answer: 7.3

2. **5 1/4 − 9 + (−1/4)**
   - Change: 5 1/4 + (−9) + (−1/4).
   - Move it: 5 1/4 + (−1/4) + (−9).
   - Friends make a whole number: 5 + (−9).

   Answer: −4

3. **0.8 − 6.1 − 0.8**
   - Change: 0.8 + (−6.1) + (−0.8).
   - Move it: 0.8 + (−0.8) + (−6.1).
   - Friends make zero: 0 + (−6.1).

   Answer: −6.1

4. **−3 2/5 + 4.5 − (−2/5)**
   - Change: −3 2/5 + 4.5 + 2/5.
   - Move it: −3 2/5 + 2/5 + 4.5.
   - Friends make a whole number: −3 + 4.5.

   Answer: 1.5

5. **0.75 − 8 1/4 + 2.25**
   - One form and change: 0.75 + (−8.25) + 2.25.
   - Move it: 0.75 + 2.25 + (−8.25).
   - Friends make 3: 3 + (−8.25).

   Answer: −5.25

6 **−1 1/2 − (−4 1/3)**

- Change: −1 1/2 + 4 1/3.
- Split, keep the signs: −1 + 4 + (−1/2) + 1/3.
- Whole parts: 3. Fraction parts, common denominator: (−3/6) + 2/6 = −1/6.
- 3 + (−1/6).

Answer: 2 5/6

7 **6.2 + (−9.9) + (−6.2) + 9.9**

- Move it: 6.2 + (−6.2) + (−9.9) + 9.9.
- Both pairs make zero.

Answer: 0

8 **−2 1/4 + 7 + (−3 3/4)**

- Split, keep the signs: −2 + 7 + (−3) + (−1/4) + (−3/4).
- Whole parts: 2. Fraction parts: −1/4 + (−3/4) = −1.
- 2 + (−1).

Answer: 1