Add 'Em Up

Put students in groups of 3-4 students.

Have each student in the group start with a card for set 1 (1A, 1B, 1C, 1D). If you have a group of 3 have them only use 1A, 1B, and 1C.

Each student in the group solves their card (1 card per set). Once all of the students in the group have their answers, the entire group adds up their answers together and writes it down. This is what you check.

If the group has the number that matches your answer key, they can move on to set 2. If the answer doesn't match your answer key, the students need to work together to find the mistake in the group.

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 + 20X + 100 = 4$$

1A

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 - 6X - 24 = -8$$

1B

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 - 18X + 11 = -6$$

1C

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 - 12X + 33 = -2$$

1D

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 + 8X + 7 = 0$$

2A

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 + 14X + 13 = 0$$

2B

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 + 6X - 27 = 0$$

2C

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$X^2 + 4X - 60 = 0$$

2D

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$x^2 - 13x = -7 - 5x$$

3A

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$x^2 + 11x - 13 = -x$$

3B

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$7x^2 - 9 = 18x + 10 + 6x^2$$

3C

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$x^2 + 13x - 28 = x$$

3D

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$2X^2 + 4X - 72 = -2$$

4A

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$10X^2 + 20X - 34 = -4$$

4B

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$3X^2 + 12X - 66 = -3$$

4C

Solve the quadratic equation using the
COMPLETING THE SQUARE METHOD

$$9X^2 + 18X - 79 = -7$$

4D

ADD EM UP

#1 Solutions

3 people (A, B, C) = 4
4 people (A-D) = 16

Answers: 1A: -8, -12
      1B: 8, -2
      1C: 17, 1
      1D: 7, 5

ADD EM UP

#2 Solutions

3 people (A, B, C) = -28
4 people (A-D) = -32

Answers: 2A: -1, -7
      2B: -1, -13
      2C: 3, -9
      2D: 6, -10

ADD EM UP

#3 Solutions

3 people (A, B, C) = 14
4 people (A-D) = 2

Answers: 3A: 7, 1
      3B: 1, -13
      3C: 19, -1
      3D: 2, -14

ADD EM UP

#4 Solutions

3 people (A, B, C) = -8
4 people (A-D) = 2

Answers: 4A: 5, -7
      4B: 1, -3
      4C: 3, -7
      4D: 2, -4