Name: _____ Date _____

Topic : Open Ended Integer Problems- Worksheet 1

Solve the following:

1 There are two ways to get from 4 and 10 using addition or its inverse.

What are they?

2 There are two ways to get from 5 and 14 using addition or its inverse.

What are they?

3 Give 2 integers whose product is less than zero and whose sum is -44.

4 There are two ways to get from 6 and 16 using addition or its inverse.

What are they?

5 There are two ways to get from 12 to 24 using addition or its inverse.

What are they?

6 Give 2 integers whose product is less than zero and whose sum is -40.

7 Give 2 integers whose product is less than zero and whose sum is -33.

8 There are two ways to get from 2 and 12 using addition or its inverse.

What are they?

9 There are two ways to get from 7 and 11 using addition or its inverse.

What are they?

10 There are two ways to get from 4 and 13 using addition or its inverse.

What are they?

Name: _____ Date _____

Topic : Open Ended Integer Problems- Worksheet 1- **ANSWERS**

Solve the following:

1 There are two ways to get from 4 and 10 using addition or its inverse.

4 + 6 =10
10 –6 =4

2 There are two ways to get from 5 and 14 using addition or its inverse.

5 + 9 =14
14 –9 =5

3 Give 2 integers whose product is less than zero and whose sum is -44.

(-70) + 26 =-44

4 There are two ways to get from 6 and 16 using addition or its inverse.

6 + 10 =16
16 –10 = 6

5 There are two ways to get from 12 to 24 using addition or its inverse.

12 + 12 =24
24 –12 =12

6 Give 2 integers whose product is less than zero and whose sum is -40.

(-20) +(-20) =-40

7 Give 2 integers whose product is less than zero and whose sum is -33.

(-46) +13 =-33

8 There are two ways to get from 2 and 12 using addition or its inverse.

2 + 10 =12
12 –10 =2

9 There are two ways to get from 7 and 11 using addition or its inverse.

7 + 4 =11
11 –4 =7

10 There are two ways to get from 4 and 13 using addition or its inverse.

4 + 9 =13
13 –9 =4

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 2

Solve the following:

1 There are two ways to get from 3 and 14 using addition or its inverse.

What are they?

2 There are two ways to get from 2 and 11 using addition or its inverse.

What are they?

3 Give 3 integers whose product is less than zero and whose sum is -42.

4 There are two ways to get from 4 and 12 using addition or its inverse.

What are they?

5 There are two ways to get from 14 to 41 using addition or its inverse.

What are they?

6 Give 2 integers whose product is less than zero and whose sum is -32.

7 Give 2 integers whose product is less than zero and whose sum is -23.

8 There are two ways to get from 4 and 15 using addition or its inverse.

What are they?

9 There are two ways to get from 2 and 13 using addition or its inverse.

What are they?

10 There are two ways to get from 3 and 12 using addition or its inverse.

What are they?

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Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 2 **ANSWERS**

Solve the following:

1 There are two ways to get from 3 and 14 using addition or its inverse.

3 + 11 =14
14 –11 =3

2 There are two ways to get from 2 and 11 using addition or its inverse.

2 + 9 =11
11 –9 =2

3 Give 3 integers whose product is less than zero and whose sum is -42.

11 + (– 32) + (- 21) =-42

4 There are two ways to get from 4 and 12 using addition or its inverse.

4 + 8 =12
12 – 8 =4

5 There are two ways to get from 14 to 41 using addition or its inverse.

14 + 27 =41
41 – 27 =14

6 Give 2 integers whose product is less than zero and whose sum is -32.

14 + (- 46) =-32

7 Give 2 integers whose product is less than zero and whose sum is -23.

11 + (- 34) =-23

8 There are two ways to get from 4 and 15 using addition or its inverse.

4 + 11 =15
15 – 11 = 4

9 There are two ways to get from 2 and 13 using addition or its inverse.

2 + 11 =13
13 –11 =2

10 There are two ways to get from 3 and 12 using addition or its inverse.

3 + 9 =12
12 –9 =3

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Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 3

Solve the following:

1 There are two ways to get from 2 and 11 using addition or its inverse.

What are they?

2 There are two ways to get from 3 and 26 using addition or its inverse.

What are they?

3 Give 2 integers whose product is less than zero and whose sum is -22.

4 There are two ways to get from 2 and 13 using addition or its inverse.

What are they?

5 There are two ways to get from 12 to 44 using addition or its inverse.

What are they?

6 Give 2 integers whose product is less than zero and whose sum is -16.

7 Give 2 integers whose product is less than zero and whose sum is -34.

8 There are two ways to get from 2 and 11 using addition or its inverse.

What are they?

9 There are two ways to get from 24 and 42 using addition or its inverse.

What are they?

10 There are two ways to get from 3 and 9 using addition or its inverse.

What are they?

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 3 **ANSWERS**

Solve the following:

1 There are two ways to get from 2 and 11 using addition or its inverse.

2 + 9 =11
11 –9 =2

2 There are two ways to get from 3 and 26 using addition or its inverse.

3 + 23 =26
26 –23 =3

3 Give 2 integers whose product is less than zero and whose sum is -22.

(-45) + 23 = -22

4 There are two ways to get from 2 and 13 using addition or its inverse.

2 + 11 = 13
13 – 11 = 2

5 There are two ways to get from 12 to 44 using addition or its inverse.

12 + 32 =44
44 – 32 = 12

6 Give 2 integers whose product is less than zero and whose sum is -16.

16 + (-32) =-16

7 Give 2 integers whose product is less than zero and whose sum is -34.

(-68) + 34 =-34

8 There are two ways to get from 2 and 11 using addition or its inverse.

2 + 9 =11
11 –9 =2

9 There are two ways to get from 24 and 42 using addition or its inverse.

24 + 18 =42
42 – 24 =18

10 There are two ways to get from 3 and 9 using addition or its inverse.

3 + 6 =9
9 –6 =3

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 4

Solve the following:

1 There are two ways to get from 3 and 12 using addition or its inverse.

What are they?

2 There are two ways to get from 4 and 13 using addition or its inverse.

What are they?

3 Give 2 integers whose product is less than zero and whose sum is -42.

4 There are two ways to get from 3 and 12 using addition or its inverse.

What are they?

5 There are two ways to get from 12 to 54 using addition or its inverse.

What are they?

6 Give 2 integers whose product is less than zero and whose sum is -11.

7 Give 2 integers whose product is less than zero and whose sum is -40.

8 There are two ways to get from 2 and 11 using addition or its inverse.

What are they?

9 There are two ways to get from 41 and 54 using addition or its inverse.

What are they?

10 There are two ways to get from 2 and 13 using addition or its inverse.

What are they?

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 4 **ANSWERS**

Solve the following:

1 There are two ways to get from 3 and 12 using addition or its inverse.

3 + 9 =12
12 – 9 =3

2 There are two ways to get from 4 and 13 using addition or its inverse.

4 + 9 =13
13 – 9 =4

3 Give 2 integers whose product is less than zero and whose sum is -42.

(-62) + 20 = -42

4 There are two ways to get from 3 and 12 using addition or its inverse.

3 + 9 =12
12 –9 =3

5 There are two ways to get from 12 to 54 using addition or its inverse.

12 + 42 =54
54 -42 =12

6 Give 2 integers whose product is less than zero and whose sum is -11.

(-12) + 1 = -11

7 Give 2 integers whose product is less than zero and whose sum is -40.

(-60) + 20 = -40

8 There are two ways to get from 2 and 11 using addition or its inverse.

2 + 9 =11
11 –9 =2

9 There are two ways to get from 41 and 54 using addition or its inverse.

41 + 13 =54
54 – 13 =41

10 There are two ways to get from 2 and 13 using addition or its inverse.

2 + 11 =13
13 – 11 =2

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 5

Solve the following:

1 There are two ways to get from 5 and 22 using addition or its inverse.

What are they?

2 There are two ways to get from 6 and 18 using addition or its inverse.

What are they?

3 Give 2 integers whose product is less than zero and whose sum is -16.

4 There are two ways to get from 2 and 17 using addition or its inverse.

What are they?

5 There are two ways to get from 14 to 52 using addition or its inverse.

What are they?

6 Give 2 integers whose product is less than zero and whose sum is -24.

7 Give 2 integers whose product is less than zero and whose sum is -42.

8 There are two ways to get from 2 and 15 using addition or its inverse.

What are they?

9 There are two ways to get from 15 and 26 using addition or its inverse.

What are they?

10 There are two ways to get from 2 and 14 using addition or its inverse.

What are they?

Name: _____ Date _____

Topic: Open Ended Integer Problems- Worksheet 5 **ANSWERS**

Solve the following:

1 There are two ways to get from 5 and 22 using addition or its inverse.

5 + 17 =22
22 –17 =5

2 There are two ways to get from 6 and 18 using addition or its inverse.

6 + 12 =18
18 –12 =6

3 Give 2 integers whose product is less than zero and whose sum is -16.

(-24) + 8 =-16

4 There are two ways to get from 2 and 17 using addition or its inverse.

2 + 15 =17
17 –15 =2

5 There are two ways to get from 14 to 52 using addition or its inverse.

14 +38 =52
52 - 38 =14

6 Give 2 integers whose product is less than zero and whose sum is -24.

12 + (-36) = -24

7 Give 2 integers whose product is less than zero and whose sum is -42.

-84 + 42 = -42

8 There are two ways to get from 2 and 15 using addition or its inverse.

2 + 13 =15
15 -13 =2

9 There are two ways to get from 15 and 26 using addition or its inverse.

15 + 11 =26
26 –11 =15

10 There are two ways to get from 2 and 14 using addition or its inverse.

2 + 12 =14
14 –12 =2

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