Fill in the blanks

(1) Find the sum of the following integers:

A) -79120 and -96264 =
B) -75753 and -31419 =
C) -22515 and -54531 =
D) -10318 and -56067 =
E) -72991 and -32021 =
F) -68617 and -34041 =
G) -39475 and -58313 =
H) -41445 and -57387 =
I) -96110 and -68755 =
J) -10318 and -56067 =
K) -75753 and -31419 =
L) -22515 and -54531 =
M) -19382 and -3794 =
N) -81032 and -63947 =
O) -95274 and -27060 =

(2) Find the successor of each of the following integers:

A) -87 =
B) -74 =
C) -23 =
D) -62 =
E) -5 =
F) -45 =
G) -17 =
H) -16 =
I) -1 =
J) -90 =
K) -48 =
L) -70 =
M) -24 =
N) -87 =
O) -28 =

(3) Find the predecessor of each of the following integers:

A) -65 =
B) -45 =
C) -24 =
D) -34 =
E) -20 =
F) -91 =
G) -85 = _____  
H) -72 = _____  
I) -8 = _____  
J) 0 = _____  
K) -92 = _____  
L) -11 = _____  
M) -81 = _____  
N) -56 = _____  
O) -7 = _____
Answers

1. A) -175384
   Sum of -79120 and -96264 = -79120 + (-96264) = -79120 - 96264 = -175384

B) -107172
   Sum of -75753 and -31419 = -75753 + (-31419) = -75753 - 31419 = -107172

C) -77046
   Sum of -22515 and -54531 = -22515 + (-54531) = -22515 - 54531 = -77046

D) -66385
   Sum of -10318 and -56067 = -10318 + (-56067) = -10318 - 56067 = -66385

E) -105012
   Sum of -72991 and -32021 = -72991 + (-32021) = -72991 - 32021 = -105012

F) -102658
   Sum of -68617 and -34041 = -68617 + (-34041) = -68617 - 34041 = -102658

G) -97788
   Sum of -39475 and -58313 = -39475 + (-58313) = -39475 - 58313 = -97788

H) -98832
   Sum of -41445 and -57387 = -41445 + (-57387) = -41445 - 57387 = -98832

I) -164865
   Sum of -96110 and -68755 = -96110 + (-68755) = -96110 - 68755 = -164865
Step 1
All positive numbers, negative numbers and zero are integer, accept fractions. We can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ...}

Step 2
The successor of -87 is \(-87 + 1 = -86\).
B) -73

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -74 is = -74 + 1 = -73.

C) -22

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -23 is = -23 + 1 = -22.

D) -61

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -62 is = -62 + 1 = -61.

E) -4

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -5 is = -5 + 1 = -4.
Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -45 is = -45 + 1 = -44.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -17 is = -17 + 1 = -16.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -16 is = -16 + 1 = -15.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -1 is = -1 + 1 = 0.
J) \(-89\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The successor of \(-90\) is \(-90 + 1 = -89\).

K) \(-47\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The successor of \(-48\) is \(-48 + 1 = -47\).

L) \(-69\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The successor of \(-70\) is \(-70 + 1 = -69\).

M) \(-23\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The successor of \(-24\) is \(-24 + 1 = -23\).
Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -87 is = -87 + 1 = -86.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The successor of -28 is = -28 + 1 = -27.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The predecessor of -65 is = -65 - 1 = -66.

Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The predecessor of -45 is = -45 - 1 = -46.
C) \(-25\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The predecessor of -24 is = -24 - 1 = -25.

D) \(-35\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The predecessor of -34 is = -34 - 1 = -35.

E) \(-21\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The predecessor of -20 is = -20 - 1 = -21.

F) \(-92\)

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions. we can write all integers in increasing order as:
Integers = \{..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... \}

**Step 2**
The predecessor of -91 is = -91 - 1 = -92.
**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -85 is = -85 - 1 = -86.

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -72 is = -72 - 1 = -73.

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -8 is = -8 - 1 = -9.

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of 0 is = 0 - 1 = -1.
**K)**

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -92 is = -92 - 1 = -93.

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**L)**

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -11 is = -11 - 1 = -12.

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**M)**

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -81 is = -81 - 1 = -82.

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**N)**

**Step 1**
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

**Step 2**
The predecessor of -56 is = -56 - 1 = -57.
Step 1
All positive numbers, negative numbers and zero are integer, accept fractions.
we can write all integers in increasing order as:
Integers = {..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ... }

Step 2
The predecessor of -7 is = -7 - 1 = -8.