A DEFINITION

A.1 COUNTING POSITIVE AND NEGATIVE NUMBERS

Ex 1:



Answer:

- There are 2 positive units.
- + + = +2

Ex 2:



Answer:

- $\bullet\,$ There are 3 negative units.

Ex 3:



Answer:

- There are 5 negative units.
- $\bullet \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc = -5$

Ex 4:



Answer:

- There are 3 positive units.
- + + + = +3

Ex 5:

$$left$$
 = $left$ -1

Answer:

- There is 1 negative unit.
- \bullet = -1

A.2 WRITING INTEGERS FROM WORDS

Ex 6: Positive two is $\boxed{+2}$.

Answer:

• Positive two is +2 = +

Ex 7: Negative three is $\boxed{-3}$.

Answer:

• Negative three is $-3 = \bigcirc \bigcirc$

Ex 8: Negative four is -4

Answer:

- Negative four is $-4 = \bigcirc \bigcirc \bigcirc$
- **Ex 9:** Positive five is $\boxed{+5}$

Answer:

Ex 10: Negative two is -2.

Answer:

• Negative two is $-2 = \bigcirc$

A.3 FINDING THE OPPOSITE

Ex 11: The opposite of -4 is $\boxed{+4}$.

Answer:

- . - + + + + + =
- $\bullet \ (-4) + (+4) = 0$
- The opposite of -4 is +4.

Ex 12: The opposite of -3 is $\boxed{+3}$.

Answer:

- ++++=
- \bullet (-3) + (+3) = 0
- The opposite of -3 is +3.

Ex 13: The opposite of +5 is -5.

Answer:

- . + + + + + - - - -
- \bullet (+5) + (-5) = 0
- The opposite of +5 is -5.

Ex 14: The opposite of +1 is -1.



$$\bullet$$
 (+1) + (-1) = 0

• The opposite of +1 is -1.

Ex 15: The opposite of 0 is $\boxed{0}$.

Answer:



- 0 + 0 = 0
- The opposite of 0 is 0.

A.4 FINDING THE OPPOSITE FOR DECIMAL NUMBERS

Ex 16: The opposite of -4.1 is $\boxed{+4.1}$.

Answer:

- \bullet (-4.1) + (+4.1) = 0
- The opposite of -4,1 is +4,1.

Ex 17: The opposite of -0.5 is $\boxed{+0.5}$.

Answer:

- \bullet (-0.5) + (+0.5) = 0
- The opposite of -0.5 is +0.5.

Ex 18: The opposite of +3.5 is |-3.5|.

Answer:

- \bullet (+3.5) + (-3.5) = 0
- The opposite of +3.5 is -3.5.

Ex 19: The opposite of +99.5 is |-99.5|

Answer:

- \bullet 99.5 = +99.5
- \bullet (+99.5) + (-99.5) = 0
- The opposite of +99.5 is -99.5.

A.5 ADDING SMALL INTEGERS

Ex 20: (+1) + (-2) = -1

Answer:

•



 \bullet (+1) + (-2) = -1

Ex 21: (+3) + (-1) = +2

Answer:

= + +

$$\bullet$$
 (+3) + (-1) = +2

Ex 22:
$$(+2) + (-3) = \boxed{-1}$$

Answer:

_

$$\bullet$$
 (+2) + (-3) = -1

Ex 23:
$$(-2) + (-1) = \boxed{-3}$$

Answer:

$$(-2) + (-1) = -3$$

Ex 24:
$$(-1) + (+3) = +2$$

Answer:

•

$$\bullet$$
 $(-1) + (+3) = +2$

Ex 25:
$$(+2) + (+3) = +5$$

Answer:

$$\bullet$$
 (+2) + (+3) = +5

A.6 FINDING MISSING NUMBERS IN ADDITION

Ex 26:
$$(+3) + (-2) = +1$$

Answer:

•

$$\bullet$$
 (+3) + (-2) = +1

Ex 27:
$$(-4) + (+2) = -2$$

Answer:

_

$$\bullet$$
 $(-4) + (+2) = -2$

Ex 28:
$$(-3) + (+2) = -1$$



•



$$\bullet$$
 $(-3) + (+2) = -1$

Ex 29:
$$(-2) + (-3) = -5$$

Answer:

$$\bullet$$
 $(-2) + (-3) = -5$

Ex 30:
$$(+2) + (+1) = +3$$

Answer.

•
$$(+2) + (+1) = +3$$

Ex 31:
$$(+2) + (-5) = -3$$

Answer:



(+2) + (-5) = -3

A.7 FINDING THE ABSOLUTE VALUE

Ex 32: The absolute value of +2 is $\boxed{2}$.

Answer: The absolute value of $+2 = \bigcirc \bigcirc$ is 2.

Ex 33: The absolute value of -3 is 3.

Answer: The absolute value of $-3 = \bigcirc \bigcirc \bigcirc$ is 3.

Ex 34: The absolute value of +5 is |5|.

Ex 35: The absolute value of -4 is $\boxed{4}$.

Answer: The absolute value of $-4 = \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ is 4.

Ex 36: The absolute value of -9 is $\boxed{9}$.

A.8 FINDING THE ABSOLUTE VALUE FOR DECIMAL NUMBERS

Ex 37: The absolute value of -2.1 is 2.1

Answer: The absolute value of -2.1 is 2.1

Ex 38: The absolute value of -5.4 is $\boxed{5.4}$

Answer: The absolute value of -5.4 is 5.4.

Ex 39: The absolute value of 3.7 is $\boxed{3.7}$.

Answer: The absolute value of 3.7 is 3.7.

Ex 40: The absolute value of 0 is $\boxed{0}$.

Answer: The absolute value of 0 is 0.

B RULES OF ADDITION

B.1 ADDING INTEGERS

Ex 41:
$$(+6) + (-4) = +2$$

Answer:

- When the signs are opposite, subtract the absolute values (6-4=2), and take the sign of the larger number: 6>4, so the result is +.
- \bullet (+6) + (-4) = +2

● = ● €

Ex 42:
$$(+4) + (+7) = \boxed{+11}$$

Answer:

- When the signs are the same, add the absolute values (4 + 7 = 11), and keep the positive sign.
- \bullet (+4) + (+7) = +11
- **•••••+•••••••••••••••••••••••**

Ex 43:
$$(-5) + (+8) = +3$$

Answer:

- When the signs are opposite, subtract the absolute values (8-5=3), and take the sign of the larger number: 8>5, so the result is +.
- \bullet (-5) + (+8) = +3

Ex 44:
$$(+6) + (-4) = +2$$

Answer:

- When the signs are opposite, subtract the absolute values (6-4=2), and take the sign of the larger number: 6>4, so the result is +.
- \bullet (+6) + (-4) = +2

Ex 45:
$$(-5) + (-4) = \boxed{-9}$$

- When the signs are the same, add the absolute values (5 + 4 = 9), and keep the negative sign.
- (-5) + (-4) = -9
- _ 0000+000-0000000

B.2 ADDING INTEGERS WITHOUT EXPLICIT SIGNS

Ex 46: $6 + (-4) = \boxed{+2}$

Answer:

- 6 + (-4) = (+6) + (-4)
- When the signs are opposite, subtract the absolute values (6-4=2), and take the sign of the larger number: 6>4, so the result is +.
- \bullet (+6) + (-4) = +2

• = •

Ex 47: $-5 + 8 = \boxed{+3}$

Answer:

- -5+8=(-5)+(+8)
- When the signs are opposite, subtract the absolute values (8-5=3), and take the sign of the larger number: 8>5, so the result is +.
- \bullet (-5) + (+8) = +3

=⊙⊙

Ex 48:
$$-2 + (-3) = 5$$

Answer:

- \bullet -2 + (-3) = (-2) + (-3)
- When the signs are the same, add the absolute values (2 + 3 = 5), and keep the negative sign.
- \bullet (-2) + (-3) = -5
- . 00+000 0000

Ex 49: -6+0= 6

Answer:

- \bullet -6+0=(-6)+0
- Adding zero to any number does not change the value, so the result is -6.
- \bullet (-6) + 0 = -6

B.3 ADDING SIGNED DECIMAL NUMBERS

Ex 50: -5 + 8.1 = +3.1

Answer:

- \bullet -5 + 8.1 = (-5) + (+8.1)
- When the signs are opposite, subtract the absolute values (8.1 5 = 3.1), and take the sign of the larger number: 8.1 > 5, so the result is +.
- \bullet (-5) + (+8.1) = +3.1

Ex 51:
$$-3 + (-2.5) = \boxed{-5.5}$$

Answer:

- -3 + (-2.5) = (-3) + (-2.5)
- When the signs are the same, add the absolute values (3 + 2.5 = 5.5), and keep the negative sign.
- \bullet (-3) + (-2.5) = -5.5

Ex 52: $-1.6 + (+2.6) = \boxed{+1}$

Answer:

- \bullet -1.6 + (+2.6) = (-1.6) + (+2.6)
- When the signs are opposite, subtract the absolute values (2.6-1.6=1.0), and take the sign of the larger number: 2.6 > 1.6, so the result is +.
- \bullet (-1.6) + (+2.6) = +1.0

Ex 53: $-3.5 + (+1.5) = \boxed{-2}$

Answer:

- \bullet -3.5 + (+1.5) = (-3.5) + (+1.5)
- When the signs are opposite, subtract the absolute values (3.5 1.5 = 2.0), and take the sign of the larger number: 3.5 > 1.5, so the result is -.
- \bullet (-3.5) + (+1.5) = -2.0

B.4 ADDING MULTIPLE INTEGERS

Ex 54: Calculate:

$$(+3) + (-7) + (-5) = \boxed{-9}$$

Answer:

$$(+3) + (-7) + (-5) = (-4) + (-5)$$
 $((+3)+(-7)=(-4))$
= (-9) $((-4)+(-5)=(-9))$

Ex 55: Calculate:

$$(-2) + (-4) + (+7) = +1$$

Answer:

$$(-2) + (-4) + (+7) = (-6) + (+7)$$
 $((-2) + (-4) = (-6))$
= +1 $((-6) + (+7) = +1)$

Ex 56: Calculate:

$$(-2) + (+4) + (-2) = 0$$

Answer:

$$(-2) + (+4) + (-2) = (+2) + (-2)$$
 $((-2)+(+4)=+2)$
= 0 $((+2)+(-2)=0)$

Ex 57: Calculate:

$$(-10) + (+3) + (-7) = \boxed{-14}$$

$$(-10) + (+3) + (-7) = (-7) + (-7)$$
 $((-10) + (+3) = -7)$
= -14 $((-7) + (-7) = -14)$



B.5 ADDING INTEGERS IN REAL-WORLD PROBLEMS

Ex 58: During a hike, the hiker experiences altitude changes as follows. Positive numbers indicate climbing (gaining altitude), while negative numbers indicate descending (losing altitude):

- The hiker starts at an altitude of +300 meters.
- They climb +150 meters in the morning.
- In the afternoon, they descend by -200 meters.

What is the hiker's final altitude at the end of the day?

250 meters

Answer:

$$(+300) + (+150) + (-200) = (+450) + (-200)$$
 $((+300) + (+150) = +450)$
= $+250$ $((+450) + (-200) = +250)$

Ex 59: A person keeps track of their bank account balance as follows. Positive numbers indicate deposits (money added), while negative numbers indicate withdrawals (money taken out):

- The person starts with +50 dollars in their account.
- They deposit +30 dollars.
- Later, they withdraw -40 dollars.

What is the person's final balance?

40 dollars

Answer:

$$(+50) + (+30) + (-40) = (+80) + (-40)$$
 $((+50) + (+30) = +80)$
= $+40$ $((+80) + (-40) = +40)$

Ex 60: In a round of golf, each hole has a "par" score, and a player's score is based on how many strokes they take compared to par. A score of 0 means the player made par, a positive number means they took extra strokes (over par), and a negative number means they made fewer strokes (under par).

- Hole 1: Par 3, player scored -1 (under par)
- Hole 2: Par 4, player scored +2 (over par)
- Hole 3: Par 5, player scored 0 (made par)
- Hole 4: Par 3, player scored +1 (over par)
- Hole 5: Par 4, player scored -2 (under par)

What is the player's total score?

0

Answer:

$$\begin{aligned} (-1) + (+2) + (0) + (+1) + (-2) \\ &= (+1) + (0) + (+1) + (-2) \quad ((-1) + (+2) = (+1)) \\ &= (+1) + (+1) + (-2) \quad ((+1) + (0) = (+1)) \\ &= (+2) + (-2) \quad ((+1) + (+1) = (+2)) \\ &= 0 \quad ((+2) + (-2) = 0) \end{aligned}$$

Ex 61: Throughout the day, the temperature in a city changes as follows. Positive numbers indicate a rise in temperature, while negative numbers indicate a drop in temperature:

- In the morning, the temperature started at $+5^{\circ}$ C and dropped by -3° C.
- In the afternoon, the temperature rose by $+4^{\circ}$ C.
- In the evening, the temperature dropped again by -6° C.
- At night, it dropped further by -1° C.

What is the temperature at the end of the day?

-1°C

Answer:

C SUBTRACTION

C.1 CONVERTING SUBTRACTION TO ADDITION

Ex 62: Convert the subtracting in addition:

$$(+4) - (+2) = (+4) + (-2)$$

Answer:

$$\bullet \ (+4) - (+2) = (+4) + (-2)$$

Ex 63: Convert the subtraction into addition:

$$(-5) - (-3) = (-5) + (+3)$$

Answer:

$$\bullet$$
 $(-5) - (-3) = (-5) + (+3)$

Ex 64: Convert the subtraction into addition:

$$(+4) - (-2) = (+4) + (+2)$$

Answer:

$$\bullet$$
 $(+4) - (-2) = (+4) + (+2)$

Ex 65: Convert the subtraction into addition:

$$(-1) - (+2) = (-1) + (-2)$$

$$\bullet$$
 $(-1) - (+2) = (-1) + (-2)$

C.2 SUBTRACTING INTEGERS STEP BY STEP

Ex 66: Calculate:

$$(+4) - (+2) = (+4) + (-2)$$

= 2

Answer:

•
$$(+4) - (+2) = (+4) + (-2)$$

= $(+2)$

Ex 67: Calculate:

$$(-2) - (-3) = (\boxed{-2}) + (\boxed{+3})$$
$$= \boxed{+1}$$

Answer:

•
$$(-2) - (-3) = (-2) + (+3)$$

= $(+1)$

Ex 68: Calculate:

$$(-4) - (+2) = (-4) + (-2)$$

= -6

Answer:

•
$$(-4) - (+2) = (-4) + (-2)$$

= (-6)

Ex 69: Calculate:

$$(+3) - (-2) = (+3) + (+2)$$

= +5

Answer:

•
$$(+3) - (-2) = (+3) + (+2)$$

= $(+5)$

C.3 SUBTRACTING INTEGERS

Ex 70: Calculate:

$$(+4) - (+2) = 2$$

Answer:

•
$$(+4) - (+2) = (+4) + (-2)$$

= $(+2)$

Ex 71: Calculate:

$$(-2) - (-4) = \boxed{+2}$$

Answer:

•
$$(-2) - (-4) = (-2) + (+4)$$

= $(+2)$

Ex 72: Calculate:

$$(+2) - (-3) = \boxed{+5}$$

Answer:

•
$$(+2) - (-3) = (+2) + (+3)$$

= $(+5)$

Ex 73: Calculate:

$$(-3) - (+4) = \boxed{-7}$$

Answer:

•
$$(-3) - (+4) = (-3) + (-4)$$

= (-7)

C.4 SUBTRACTING INTEGERS WITHOUT EXPLICIT SIGNS

Ex 74: Calculate:

$$3 - (-2) = 5$$

•
$$3 - (-2) = (+3) - (-2)$$

= $(+3) + (+2)$
= $(+5)$

Ex 75: Calculate:

$$(-2) - 3 = \boxed{-5}$$

Answer:

•
$$(-2) - 3 = (-2) - (+3)$$

= $(-2) + (-3)$
= (-5)

Ex 76: Calculate:

$$(-3) - (-5) = \boxed{+2}$$

Answer:

•
$$(-3) - (-5) = (-3) - (-5)$$

= $(-3) + (+5)$
= $(+2)$

Ex 77: Calculate:

$$3-5 = \boxed{-2}$$

Answer:

•
$$3-5 = (+3) - (+5)$$

= $(+3) + (-5)$
= (-2)

C.5 ADDING/SUBTRACTING MULTIPLE INTEGERS

Ex 78: Calculate:

$$(+3) - (-7) - (+5) = +5$$

Answer:

$$(+3) - (-7) - (-5) = (+3) + (+7) + (-5)$$
 (subtraction to addition)
= $(+10) + (-5)$ ((+3)+(+7)=(+10))
= $(+5)$ ((+10)+(-5)=(+5))

Ex 79: Calculate:

$$(-2) - (-3) + (-2) = \boxed{-1}$$

Answer:

$$(-2) - (-3) + (-2) = (-2) + (+3) + (-2)$$
 (subtraction to addition)
= $(+1) + (-2)$ ((-2)+(+3)=(+1))
= (-1) ((+1)+(-2)=(-1))

Ex 80: Calculate:

$$(-5) - (-4) + (-3) = \boxed{-4}$$

Answer:

$$(-5) - (-4) + (-3) = (-5) + (+4) + (-3)$$
 (subtraction to addition)
= $(-1) + (-3)$ ((-5)+(+4)=(-1))
= (-4) ((-1)+(-3)=(-4))

Ex 81: Calculate:

$$(+6) - (-3) + (-4) = +5$$

Answer:

$$(+6) - (-3) + (-4) = (+6) + (+3) + (-4)$$
 (subtraction to addition)
= $(+9) + (-4)$ ((+6)+(+3)=(+9))
= $(+5)$ ((+9)+(-4)=(+5))

C.6 SUBTRACTING INTEGERS IN REAL-WORLD PROBLEMS

Ex 82: In the morning, the temperature was -7° C, and by the evening, the temperature was -2° C. Find the variation of temperature.

$$5$$
 $^{\circ}$ C

Answer:

Temperature variation = Final Temperature - Initial Temperature =
$$(-2) - (-7)$$
 = $(-2) + (+7)$ (subtraction to addition) = $+5$ C°

Ex 83: In the morning, your bank account balance was -50 dollars, and by the evening, it was +30 dollars. Find the change in your bank account balance.

Answer:

Change in Balance = Final Balance - Initial Balance
=
$$30 - (-50)$$

= $30 + 50$ (subtraction to addition)
= 80 dollars

Ex 84: A lift starts at the 5th floor and descends to the -2nd floor (below ground level).

Find the change in the lift's position.

$$\boxed{-7}$$
 floors

Answer:

Change in Position = Final Floor - Initial Floor
$$= (-2) - 5$$

$$= (-2) + (-5) \quad \text{(subtraction to addition)}$$

$$= -7 \text{ floors}$$

Ex 85: he GDP (Gross Domestic Product) growth rate of a country was -2% in 2024. It was +3% in 2025. Find the variation in the GDP growth rate.



Answer:

 $\label{eq:GDP} \text{GDP Variation} = \text{Final GDP} - \text{Initial GDP}$

Variation du PIB = Taux de croissance final du PIB - Taux de croissance initial du PIB

$$=(+3)-(-2)$$

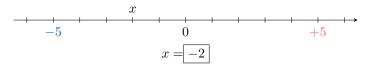
$$=(+3)+(+2)$$
 (subtraction to addition)

$$= +5\%$$

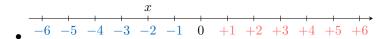
D ON THE NUMBER LINE

D.1 FINDING X ON THE NUMBER LINE

Ex 86: Find the value of x.

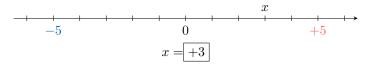


Answer.

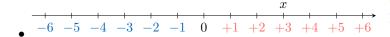


• r = -2

Ex 87: Find the value of x.

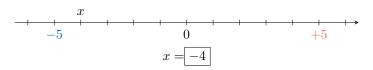


Answer:

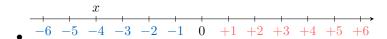


• x = +3

Ex 88: Find the value of x.

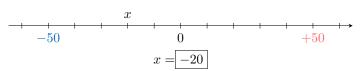


Answer



• x = -4.

Ex 89: Find the value of x.

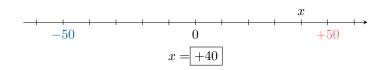


Answer:

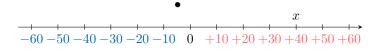


• x = -20.

Ex 90: Find the value of x.

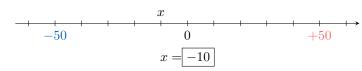


Answer:

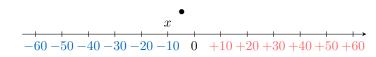


• x = +40.

Ex 91: Find the value of x.



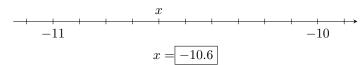
Answer:



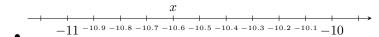
• x = -10.

D.2 FINDING DECIMAL NUMBERS ON THE NUMBER LINE

Ex 92: Find the value of x.

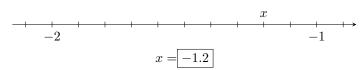


Answer:



• x = -10.6.

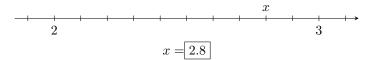
Ex 93: Find the value of x.



Answer:

• x = -1.2.

Ex 94: Find the value of x.

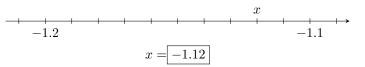


Answer:

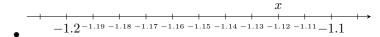


• x = 2.8.

Ex 95: Find the value of x.



Answer:



• x = -1.12.

E ORDERING

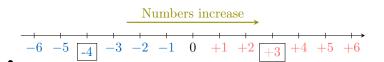
E.1 COMPARING SMALL INTEGERS

Ex 96: Compare the numbers: -4 < +3

Answer:

• +3 is positive, and -4 is negative. A positive number is always greater than a negative number:

$$-4 < +3$$

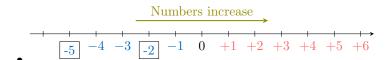


Ex 97: Compare the numbers: -2 > -5

Answer:

Both numbers are negative, but −2 is closer to zero than −5. Therefore, −2 is greater than −5:

$$-2 > -5$$

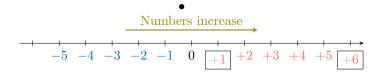


Ex 98: Compare the numbers: +6 > +1

Answer:

Both numbers are positive, but +6 is farther from zero than +1. Therefore, +6 is greater than +1:

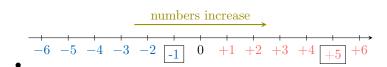
$$+6 > +1$$



Ex 99: Compare: -1 < +5

Answer:

• As +5 is positive and -1 is negative, the positive number is greater than the negative number:-1 < +5

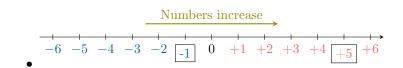


Ex 100: Compare the numbers: -1 < +5

Answer:

• +5 is positive and -1 is negative. A positive number is always greater than a negative number:

$$-1 < +5$$

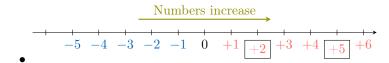


Ex 101: Compare the numbers: +2 < +5

Answer:

• Both numbers are positive, but +5 is farther from zero than +2:

$$+2 < +5$$

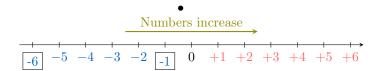


Ex 102: Compare the numbers: -6 < -1

Answer:

• Both numbers are negative, but -1 is closer to zero than -6:

$$-6 < -1$$



E.2 COMPARING INTEGERS

Ex 103: Compare the numbers: -20 < 1

Answer:

• 1 is positive and -20 is negative. A positive number is always greater than a negative number:

$$-20 < +1$$

Ex 104: Compare the numbers: -99 > -100

Answer:

• Both numbers are negative, but -99 is closer to zero than -100:

$$-99 > -100$$

Ex 105: Compare the numbers: 234 > -1200

Answer:

• +234 is positive and -1200 is negative. A positive number is always greater than a negative number:

$$+234 > -1200$$

Ex 106: Compare the numbers: -18 < -3

Answer:

• Both numbers are negative, but -3 is closer to zero than -18.

$$-18 < -3$$

Ex 107: Compare the numbers: 230 > 200

Answer:

• Both numbers are positive, but +230 is farther from zero than +200:

$$+230 > +200$$

Ex 108: Compare the numbers: 99 > -100

Answer:

• +99 is positive and -100 is negative. A positive number is always greater than a negative number:

$$+99 > -100$$

E.3 COMPARING INTEGERS IN REAL-WORLD PROBLEMS

MCQ 109: During a golf tournament, the scores relative to par for five different holes were:

$$-2, -1, 0, +1, -3$$

Order these scores from the best performance (most under par) to the worst performance (above par).

Choose one answer:

$$\Box 0 < +1 < -1 < -2 < -3$$

$$\boxtimes -3 < -2 < -1 < 0 < +1$$

$$\Box +1 > 0 > -1 > -2 > -3$$

$$\Box$$
 -1 < -2 < -3 < 0 < +1

Answer:

• From the best performance to the worst: -3 < -2 < -1 < 0 < +1

MCQ 110: Given the depths of various lakes below sea level:

Lake	Depth below sea level
Lake Assal, Djibouti	-155 m
Death Valley, USA	-86 m
Caspian Sea, Central Asia	−28 m
Sea of Galilee, Israel	-214 m

Which lake is the deepest below sea level?

Choose one answer:

- □ Lake Assal, Djibouti
- ☐ Death Valley, USA
- □ Caspian Sea, Central Asia
- ⊠ Sea of Galilee, Israel

Answer: The lake that is the deepest below sea level is the Sea of Galilee, Israel, with a depth of -214 m.

 \mathbf{MCQ} 111: The recorded temperatures in a particular week were:

$$-2.5^{\circ}\text{C}, 1.2^{\circ}\text{C}, -0.8^{\circ}\text{C}, 0.5^{\circ}\text{C}, -3.2^{\circ}\text{C}$$

Order these temperatures from coldest to warmest.

Choose one answer:

$$\Box 1.2^{\circ}C < 0.5^{\circ}C < -0.8^{\circ}C < -2.5^{\circ}C$$

$$\boxtimes -3.2^{\circ}\text{C} < -2.5^{\circ}\text{C} < -0.8^{\circ}\text{C} < 0.5^{\circ}\text{C} < 1.2^{\circ}\text{C}$$

$$\Box 1.2^{\circ}C > 0.5^{\circ}C > -0.8^{\circ}C > -3.2^{\circ}C$$

$$\Box -0.8^{\circ}\text{C} < -2.5^{\circ}\text{C} < -3.2^{\circ}\text{C} < 0.5^{\circ}\text{C} < 1.2^{\circ}\text{C}$$

Answer:

 From coldest to warmest: $-3.2^{\circ}\mathrm{C} < -2.5^{\circ}\mathrm{C} < -0.8^{\circ}\mathrm{C} < 0.5^{\circ}\mathrm{C} < 1.2^{\circ}\mathrm{C}$

MCQ 112: Given the years of significant events in Ancient Roman history:

Event	Year
Founding of Rome	-753
End of the Roman Republic	-27
Sacking of Rome by the Gauls	-390
Julius Caesar's assassination	-44

Which event happened the earliest?

Choose one answer:

- □ Founding of Rome
- ☐ End of the Roman Republic
- \square Sacking of Rome by the Gauls
- ☐ Julius Caesar's assassination

Answer: The event that happened the earliest was the Founding of Rome in -753.