INTEGERS

WORD PROBLEMS

TASK CARDS

- Absolute Value and Opposites
- Adding, Subtracting, Multiplying, and Dividing
- Finding the Average

1. **Integers Task Card #5**
   - Tanya's baked goods took in $175 to help raise money for the Chorus Club. Tanya need to spend $32 for baking supplies. How much profit did Tanya make?

2. **Integers Task Card #34**
   - The eighth-graders had a carnival to raise money for a field trip. The table shows the income and expenses for the fair. How much was raised?

<table>
<thead>
<tr>
<th>Income</th>
<th>Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Games</td>
<td>$650</td>
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<tr>
<td>Tables</td>
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</tr>
<tr>
<td>Decorations</td>
<td>$30</td>
</tr>
<tr>
<td>Prizes</td>
<td>-$400</td>
</tr>
</tbody>
</table>

3. **Integers Task Card #23**
   - Emily hiked down the North Rim of the Grand Canyon until she was at an elevation of 1,245 meters below sea level. She stopped to rest and then hiked down 475 meters. How far did she hike up?
Integers Task Card # 1

One spring, the temperature rose from $-5^\circ \text{C}$ to $12^\circ \text{C}$ in 24 hours. How much did the temperature rise in 24 hours?

Integers Task Card # 2

An elevator starts on the ground floor. It goes up 7 floors and then down 9 floors. What floor is it on?

Integers Task Card # 3

Richard is $15$ overdrawn on his checking account. He writes a check for $7$. What is the balance in his checking account now?

Integers Task Card # 4

The enrollment at Temple Junior High School has a change of $-60$ over a 3 year period. What is the average change per year?
Integers Task Card # 5
Tanya’s baked goods took in $175 to help raise money for the Chorus Club. Tanya need to spend $32 for baking supplies. Write and evaluate an addition expression to find how much profit Tanya’s baked goods make?

Integers Task Card # 6
Jeff saw 7 identical withdrawals on his bank statement that came to a total of $315. By how much did each withdrawal change Jeff’s account?

Integers Task Card # 7
When Alex went to work the temperature was $-2^\circ F$. When he got home from work the temperature raised $14^\circ$. What was the actual temperature when he got home from work?

Integers Task Card # 8
Antwon records the outside temperature at 8:00 A.M. and at noon every day. Today the 8:00 A.M. temperature was $-3^\circ F$ and the noon temperature was $1^\circ F$. What was the change in the temperature from 8:00 A.M to noon today?
Integers Task Card # 9

A hot air balloon is at an elevation of 425 feet. It descends 110 feet. What is the elevation of the balloon? Use an addition equation to solve this problem.

Integers Task Card # 10

A seagull is gliding 53 feet above the surfaces of the water. It then dives 70 feet to catch a fish. How many feet below the surface of the water does the seagull dive?

Integers Task Card # 11

Sophia’s bank account statement said she had −$25. She deposited $47 into her account. What is Sophia’s balance after she made the deposit?

Integers Task Card # 12

A stock falls 7 points each day for 2 days. What integer represents the change in stock price for the 2 days?
**Integers Task Card # 13**

Sasha is playing miniature golf. She records her scores as above or below par, the number of expected strokes for a given hole. She scores 3 below par on the first hole and 1 below par on the second hole. What is her combined score after the first two holes?

**Integers Task Card # 14**

The ratings for a TV show drop a total of 10 points in 2 weeks. What integer represents the average change in points per week?

**Integers Task Card # 15**

After finishing his workout, Justin’s heart rate decreased 3 beats per minute for each of the next 4 minutes. What was the change in Justin’s heart rate after 4 minutes?

**Integers Task Card # 16**

The stock price for BB Plastics started at 33 points on May 1. The stock fell all month, dropping a total of 19 points. In June the stock gained 24 points. What was the net gain or loss for BB Plastics during this entire period?
Integers Task Card # 17
The treasury for the Tahoe Middle School Art Club took in $502 from selling their art work. A major company also donated $630 to the club. The club spent $1105 on its annual trip to the Art Convention. Write and evaluate an addition expression to find how much money was in the treasury after the convention?

Integers Task Card # 18
The temperature drops 2 degrees each hour for 5 hours. What integer represents the change in temperature over those 5 hours?

Integers Task Card # 19
Richard and Carlos played miniature golf. If Richard scored a -3 and Carlos scored -1, what was the difference of their scores?

Integers Task Card # 20
Patrick bought a stock for $6 a share. The first month the stock lost $12. The next month the stock gained $4. How much is his stock worth now?
Integers Task Card # 21

Steven is playing an online video game. At the beginning of his turn, he has a score of $-150$ points. At the end of his turn, he has $-50$ points. How many points did Steven gain or lose during his turn?

Integers Task Card # 22

The number of students in the seventh-grade class has decreased by 13 students each of the last three years. By the end of the third year, how many fewer students are in the seventh-grade.

Integers Task Card # 23

Judy hiked down the North Rim of the Grand Canyon until she was at an elevation of $1,245$ meters below sea level. She stopped to rest, and then hiked down $475$ meters more. What elevation is she at if she hiked $544$ meters up?

Integers Task Card # 24

Each month Shirley has $55$ deducted from her bank account for her cell phone bill. What integer represents the deduction for the year?
Integers Task Card # 25
An elevator takes its passengers two flights down from the lobby to the parking garage. What integer represents this distance? What is the absolute value of the distance?

Integers Task Card # 26
A hiker begins at 3,000 feet above sea level and takes a break at 2,200 feet above sea level. What is the hiker’s change in elevation?

Integers Task Card # 27
An airplane descends at an average speed of 215 feet per second for 7 seconds. What is the plane’s change in altitude during those 7 seconds?

Integers Task Card # 28
Lionel went scuba diving in the ocean. He dove to 65 feet below sea level to explore a cave, Then he climbed 18 feet to take pictures of some jellyfish. Where is Lionel in relation to sea level?
Integers Task Card # 29

The temperature in three cities in New York was taken. In Buffalo, the temperature was $-5^\circ F$. In Rochester, the temperature was $5^\circ F$. In New York City, the temperature was $0^\circ F$. What was the lowest temperature?

Integers Task Card # 30

The water in Todd’s fish tank drains our at a rate of 325 milliliters per minute. What’s the change in the volume of the water after 6 minute?

Integers Task Card # 31

On a marathon course, Amanda is 2 miles behind Beverley, and Chad is 1 mile ahead of Beverley. How far apart are Amanda and Chad?

Integers Task Card # 32

What is the difference in elevation between 3 feet above sea level and 20 feet below sea level?
Integers Task Card # 33

A climber descends 345 feet per hour. What is the change in altitude after 3 hours?

Integers Task Card # 34

The eighth-graders had a carnival to raise money for a field trip. The table shows the income and expenses for the fair. How much was raised?

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Integers Task Card # 35

A football team gained 6 yards on the first play, lost 8 yards on the second play, and gained 5 yards on the third play. To get a first down, They must gain 10 yards in 4 plays. How many yards must they gain on the fourth play to get a first down?

Integers Task Card # 36

Audrey and Jennifer are playing a game. Audrey has −2 points. Jennifer has −11 points. How many more points does Audrey have than Jennifer?
Integers Task Card # 37

One elevator is 6 floors above the ground floor and the other elevator is two floors below the ground floor. How many floors apart are the two elevators?

Integers Task Card # 38

The temperature at dawn was –4°F. By noon the temperature had risen 20°F. What was the temperature at noon?

Integers Task Card # 39

The FunWorld Obstacle Course is scored by awarding 10 points for every activity that is passed and by deducting 5 points for every activity that is failed. Bob passed 4 activities and failed 3 activities. Tom passed 7 activities and failed 4 activities. Who got a higher score?

Integers Task Card # 40

A whale that is 460 feet below sea level rises up and breaches out of the water to a height of 27 feet above sea level. What is the vertical distance the whale travels?
<table>
<thead>
<tr>
<th>Name __________________________</th>
<th>Task Card Recording Sheet</th>
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<tbody>
<tr>
<td>1.</td>
<td>2.</td>
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<td>9.</td>
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<td>33.</td>
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<td>38.</td>
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<tr>
<td>ANSWER KEY</td>
<td>INTEGERS TASK CARDS</td>
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<tr>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>1. 17°</td>
<td>2. – 2</td>
</tr>
<tr>
<td>5. $143</td>
<td>6. – $45</td>
</tr>
<tr>
<td>9. 315 feet</td>
<td>10. 17 feet</td>
</tr>
<tr>
<td>13. – 4</td>
<td>14. –5 points</td>
</tr>
<tr>
<td>17. $27</td>
<td>18. – 10</td>
</tr>
<tr>
<td>21. 100 points</td>
<td>22. 39 students</td>
</tr>
<tr>
<td>25. – 2, 2</td>
<td>26. –800 feet</td>
</tr>
<tr>
<td>29. –5°F</td>
<td>30. – 1950 milliliters</td>
</tr>
<tr>
<td>33. – 1035 feet</td>
<td>34. $715</td>
</tr>
<tr>
<td>37. 8 floors</td>
<td>38. 16°F</td>
</tr>
<tr>
<td>40. 487 feet</td>
<td>39. Tom</td>
</tr>
</tbody>
</table>
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