Integer word problems worksheet – Grade 5

Grade 5 · Mixed level · 20 questions · **Version X4159**

Name: _____ Date: _____ Score: ___ / 20

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1. A cliff top is 10 m above sea level. A cave entrance is 32 m below sea level. How far is it from the cliff top down to the cave entrance? (m)

   Answer: _____ m

2. It was −15°C at sunrise. The temperature rose 8 degrees by noon, then fell 10 degrees by evening. What was the evening temperature? (°C)

   Answer: _____ °C

3. One day the low was −24°C and the high was 10°C. What was the temperature range (high − low)? (degrees)

   Answer: _____ °

4. Ethan takes the elevator from parking level −3 up 15 floors. Which floor does Ethan arrive at? (The ground floor is 0.)

   Answer: _____

5. In golf, below par is negative and above par is positive. Chloe's scores on four holes were −1, −3, −1 and 3. What is the total compared with par?

   Answer: _____

6. A bank account balance is 4 dollars. Lucas deposits 55 dollars and then withdraws 32 dollars. What is the balance now? (dollars; negative means overdrawn)

   Answer: _____

7. One day the low was −21°C and the high was −1°C. What was the temperature range (high − low)? (degrees)

   Answer: _____ °

8. Night temperatures: the North Station −15°C, the Mountain Camp −20°C, the Lake Hut −5°C. What is the difference between the warmest and the coldest place?

   A. 17 degrees **B.** 20 degrees **C.** 25 degrees **D.** 15 degrees

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9. A cold front arrives. It is −6°C, and the temperature falls 5 degrees each hour for 9 hours. What is the temperature at the end? (°C)

   Answer: _____ °C

10. The low temperatures for five days were −6, −8, −1, −6, 1 (°C). What was the mean (average) low temperature? (°C)

    Answer: _____ °C

11. A school club's money changed by +1 dollars on Monday, −6 dollars on Tuesday, −4 dollars on Wednesday, +4 dollars on Thursday. What was the total change over the four days? (dollars)

    Answer: $_____

12. A school club's money changed by −2 dollars on Monday, +5 dollars on Tuesday, −5 dollars on Wednesday, +6 dollars on Thursday. What was the total change over the four days? (dollars)

    Answer: $_____

13. A submarine is at −119 m. It rises 6 m every minute. Where is it after 9 minutes? (m)

    Answer: _____ m

14. In a quiz, each right answer is worth +10 points and each wrong answer is worth −5 points. Ava gets 5 right and 4 wrong. What is Ava's score?

    Answer: _____

15. Diver A is at −24 m and Diver B is at −60 m. A camera is exactly halfway between them. What is the camera's depth? (m)

    Answer: _____ m

16. At 6 a.m. it was −15°C. The temperature rose by the same amount every hour, and 4 hours later it was 1°C. By how many degrees did it rise each hour?

    Answer: _____ °

17. A plane flies at 598 m above sea level. Directly below, a submarine is at −190 m. How far apart are they vertically? (m)

    Answer: _____ m

18. In a quiz, right answers earn 4 points and wrong answers lose 1. Omar has 6 right and 4 wrong so far. How many more points does Omar need to reach 22 points?

    Answer: _____

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19. The temperature fell 5 degrees every hour for 4 hours and ended at −11°C. What was the temperature at the start? (°C)

    Answer: _____ °C

20. Ravi's account is at −40 dollars. Each week Ravi adds 10 dollars but spends 2 dollars. What is the balance after 4 weeks? (dollars)

    Answer: $_____

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Answer key · Version X4159

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1. **42**
2. **-17**
3. **34**
4. **12**
5. **-2**
6. **27**
7. **20**
8. **D (15 degrees)**
9. **-51**
10. **-4**
11. **-5**
12. **4**
13. **-65**
14. **30**
15. **-42**
16. **4**
17. **788**
18. **2**
19. **9**
20. **-8**

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