Negative Numbers & Integers: Hard Practice Paper 1

Q1. What is $-6 \times (-4)$?

A. −24 B. −10 C. 10 D. 24 E. 64

Q2. What is $-36 \div (-9)$?

A. −45 B. −4 C. 4 D. 27 E. 45

Q3. What is $-5 + 3 \times (-4)$?

A. −32 B. −17 C. −7 D. 7 E. 17

Q4. At midnight the temperature is −9°C and it rises 2 degrees every hour. At what time will it first be above 0°C?

A. 3 am B. 4 am C. 5 am D. 6 am E. 9 am

Q5. What is the mean of −6, −2, 4 and −8?

A. −5 B. −3 C. −2 D. 2 E. 3

Q6. A sequence starts at 9 and 7 is subtracted each time. What is the 5th term?

A. −26 B. −19 C. −12 D. −5 E. 19

Q7. If $a = -3$ and $b = 5$, what is the value of $2a + b$?

A. −11 B. −1 C. 1 D. 8 E. 11

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Q8. In an experiment the temperature is −13°C and it must be raised to 21°C. By how many degrees must it be raised?

A. 8 B. 21 C. 32 D. 34 E. 36

Q9. What is (−8) − (−15) + (−4)?

A. −27 B. −3 C. 3 D. 11 E. 27

Q10. A diver at −8 m descends at 3 m every minute. Where is she after 6 minutes?

A. −34 m B. −26 m C. −18 m D. 10 m E. 26 m

Q11. Which of these calculations has the greatest value?

A. −3 × (−5) B. −20 + 4 C. −36 ÷ 3 D. 7 − 20 E. −2 × 9

Q12. The temperatures on five days were −4°C, 1°C, −7°C, −2°C and 2°C. What was the mean temperature?

A. −4 B. −2 C. −1 D. 1 E. 2

Q13. Three numbers have a total of −6. Two of them are −5 and 4. What is the third number?

A. −9 B. −5 C. −3 D. 3 E. 5

Q14. Solve for x.

$$x + 12 = 5$$

A. −17 B. −7 C. 7 D. 17 E. 60

Q15. The highest and lowest temperatures recorded on a planet are 27°C and −53°C. What is the difference between them?

A. 26 B. 36 C. 70 D. 80 E. 90

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