Negative Numbers & Integers: Hard Practice Paper 2

Q1. What is $-7 \times (-8)$?

A. −56 B. −15 C. 15 D. 49 E. 56

Q2. What is $-54 \div 6$?

A. −60 B. −9 C. −8 D. 9 E. 60

Q3. What is $12 - 4 \times (-3)$?

A. −24 B. 0 C. 6 D. 24 E. 36

Q4. The temperature starts at 4°C and falls 3 degrees every hour. After how many hours is it −11°C?

A. 3 B. 4 C. 5 D. 6 E. 7

Q5. What is the mean of −11, −4, 0 and 3?

A. −6 B. −4 C. −3 D. −2 E. 3

Q6. What number comes next in this sequence?

1, −4, −9, −14, ?

A. −24 B. −19 C. −18 D. −9 E. 19

Q7. If $p = -4$ and $q = 6$, what is the value of $q - 3p$?

A. −18 B. −6 C. 6 D. 18 E. 24

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Q8. A shop's account is −£340. The shop pays in £85 every day. After how many days will the balance be exactly zero?

A. 3 B. 4 C. 5 D. 6 E. 8

Q9. What is (−15) + (−9) − (−20)?

A. −44 B. −24 C. −4 D. 4 E. 14

Q10. Point A is at −7 on a number line and point B is at 9. Point C is exactly halfway between A and B. What number is C?

A. −1 B. 0 C. 1 D. 2 E. 8

Q11. Which of these calculations gives the smallest answer?

A. −6 × 4 B. −30 ÷ 2 C. −9 − 8 D. −5 × (−5) E. 3 − 22

Q12. A freezer must stay between −22°C and −16°C. Which reading shows the freezer is outside this range?

A. −22°C B. −20°C C. −18°C D. −16°C E. −14°C

Q13. Solve for x.

$$3x = -21$$

A. −63 B. −18 C. −7 D. 7 E. 18

Q14. At 5 pm the temperature was −2°C. Overnight it fell 11 degrees, and by noon the next day it had risen 16 degrees. What was the temperature at noon?

A. −13°C B. −9°C C. 3°C D. 5°C E. 9°C

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Q15. The bottom of a mine is 320 m below sea level and the top of a nearby hill is 145 m above sea level. What is the vertical distance between them?

A. 175 m B. 275 m C. 445 m D. 465 m E. 475 m

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