

140. Multiplying and Dividing with Negative Numbers

Practice Questions

1. Calculate: -3×4
2. Calculate: $-5 \times (-6)$
3. Calculate: $12 \div (-3)$
4. Calculate: $-20 \div (-4)$
5. Calculate: -7×8
6. Calculate: $-18 \div 3$
7. Calculate: $-9 \times (-5)$
8. Calculate: $24 \div (-6)$
9. Calculate: $-15 \div (-5)$
10. Calculate: $-4 \times (-7)$

Scenario Questions

1. The temperature was -5°C and it rose by 8°C . What is the new temperature?
2. A submarine is at -120 meters below sea level. It ascends 45 meters. What is its new depth?
3. Sarah has a debt of $\pounds 50$. She pays back $\pounds 20$. How much does she still owe?
4. A football team loses 3 yards on the first play and then gains 7 yards on the second play. What is their net gain or loss?
5. The temperature in a freezer is -18°C . It warms up by 5°C . What is the new temperature?
6. A bank account has a balance of $-\pounds 100$. A deposit of $\pounds 150$ is made. What is the new balance?
7. A hiker is at an altitude of -200 meters. She climbs 300 meters. What is her new altitude?
8. A company's profit was $-\pounds 5000$ last month. This month they make a profit of $\pounds 3000$. What is their net profit over the two months?
9. The temperature drops from 5°C to -3°C . By how many degrees did the temperature drop?
10. A diver is at -30 meters. She dives down another 10 meters. What is her new depth?

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Practice Questions

1. $-3 \times 4 = -12$
2. $-5 \times (-6) = 30$
3. $12 \div (-3) = -4$
4. $-20 \div (-4) = 5$
5. $-7 \times 8 = -56$
6. $-18 \div 3 = -6$
7. $-9 \times (-5) = 45$
8. $24 \div (-6) = -4$
9. $-15 \div (-5) = 3$
10. $-4 \times (-7) = 28$

Scenario Questions

1. $-5 \times 6 = -30$ (They lose £30 in 6 hours)
2. $-3 \times 5 = -15$ (The temperature drops by 15°C)
3. $-2 \times 10 = -20$ (She descends 20 meters)
4. $-15 \times 4 = -60$ (It can travel 60 miles)
5. $-20 \times 7 = -140$ (They lose £140 in 7 days)
6. $-100 \times 3 = -300$ (Their total profit is -£300)
7. $4 \times 6 = 24$ (The temperature increases by 24°C)
8. $5 \times 8 = 40$ (It ascends 40 meters)
9. $-3 \times 10 = -30$ (The total loss is £30)
10. $(12 - 5) \times 6 = 42$ (Their net earnings are £42)

A large black circle containing the word 'Answers' in white text.

Answers