Name: Due Date: Teacher: Parent Sign:

Questions

1. -6×7

2. 8×-3

3. $(-5) \times (-4)$

4. $-12 \div 3$

5. $12 \div -3$

6. $-24 \div -6$

7. $(-3) \times (-9)$

8. $0 \times (-5)$

9. $(-1) \times 7$

10. $15 \times (-2)$

11. $(-14) \div 7$

12. $49 \div (-7)$

13. $(-8) \times 0$

14. $(-4) \times 6 \times (-2)$

15. $(-2) \times (-3) \times (-4)$

16. $(-36) \div (-3)$

17. $27 \div (-9)$

18. $(-7) \times (-7)$

19. $(-21) \div 3$

20. $14 \div (-2)$

21. $(-100) \div (-25)$

22. $(-5) \times 13$

23. $(-10) \times (-10)$

24. $0 \div (-8)$

25. $(-81) \div 9$

Word problems

26. The temperature is 3°F. It drops 5°F every hour for 4 hours. What is the temperature after 4 hours?

27. A submarine is at -150 meters. It dives 10 meters deeper each minute for 3 minutes. How deep is it after 3 minutes?

28. A hiker is at elevation 200 m. She descends 15 m each minute for 6 minutes. What is her elevation after 6 minutes?

29. A bank account balance is $50. The account decreases by $12 each day for 5 days. What is the balance after 5 days?

30. Each damaged item causes an $8 loss. If 7 items are damaged, what is the total loss?

31. You owe $20. Each week you borrow another $5. After 2 weeks, what is your balance?

32. A climber is at -50 m (below sea level). He climbs up 12 m each hour for 4 hours. What is his elevation after 4 hours?

33. An elevator goes down 3 floors per minute for 6 minutes. If it starts on floor 10, what floor is it on after 6 minutes?

34. Each of your 3 shares loses $6 per day for 5 days. What is the total change in value of your shares?

35. The temperature decreases by 2°F each hour for 6 hours. What is the total change in temperature?

36. West is negative. A car travels west at 30 miles per hour for 3 hours. What is its displacement?

37. A debt of $45 is split equally among 3 friends. How much does each friend owe?

38. An army retreats a total of 72 miles over 8 days. Retreating is negative. What is the average retreat per day?

39. The temperature dropped from 5°C to -15°C over 4 hours. What was the average temperature change per hour?

40. A company reports a total loss of $90 over 3 months. What is the average loss per month?

41. In a game, a wrong answer gives a penalty of -4 points. If a player answers 3 questions wrong, how many points do they lose?

42. Your score is -6. Then two penalty cancellations (each cancellation removes a penalty) are applied (so you remove two negative penalties). Compute (-6) × (-2) and state the new effect on the score.

43. A company has a loss of $60. Each month the loss is reduced by $15 for 4 months. What is the company's loss after 4 months?

44. Station A is at -20 m (below ground). A train goes down 5 m at each of 3 stops. What is the depth of the final station?

45. The temperature is -18°C at midnight. It rises 6°C per hour for 3 hours. What is the temperature after 3 hours?

46. A total temperature drop of -45°C is divided into 9 equal parts. What is the value of each part?

47. A debt of $120 is shared equally by 4 people. How much does each person owe?

48. A bank charges a fee of $3 per day. Over 10 days, what is the total fee? (Treat fees as negative change.)

49. Compute (-2) × (-8). Give a short interpretation of what multiplying two negatives might mean (one sentence).

50. Compute (-72) ÷ (-9). Give a short interpretation in one sentence (what each "part" represents).