Name: Due Date: Teacher: Parent Sign:

Questions

1. $\left(-\frac{2}{3}\right) \times \left(\frac{3}{5}\right)$

2. $\left(\frac{4}{7}\right) \times \left(-\frac{1}{2}\right)$

3. $\left(-\frac{5}{6}\right) \times \left(-\frac{3}{4}\right)$

4. $\left(-\frac{1}{3}\right) \times \left(\frac{9}{10}\right)$

5. $\left(\frac{7}{8}\right) \times \left(-\frac{2}{5}\right)$

6. $\left(-\frac{3}{7}\right) \times \left(-\frac{14}{9}\right)$

7. $\left(-2\frac{1}{2}\right) \times \left(\frac{3}{4}\right)$

8. $\left(1\frac{1}{3}\right) \times \left(-\frac{3}{5}\right)$

9. $\left(-\frac{7}{9}\right) \times \left(\frac{9}{14}\right)$

10. $\left(\frac{5}{6}\right) \times \left(-\frac{12}{25}\right)$

11. $\left(-\frac{4}{5}\right) \times \left(-\frac{5}{8}\right)$

12. $\left(-\frac{3}{10}\right) \times \left(\frac{20}{9}\right)$

13. $\left(\frac{2}{3}\right) \times \left(-\frac{3}{2}\right)$

14. $\left(-\frac{8}{9}\right) \times \left(-\frac{3}{16}\right)$

15. $\left(-\frac{11}{12}\right) \times \left(\frac{6}{11}\right)$

16. $\left(-\frac{3}{4}\right) \div \left(\frac{1}{2}\right)$

17. $\left(\frac{5}{6}\right) \div \left(-\frac{5}{12}\right)$

18. $\left(-\frac{7}{8}\right) \div \left(-\frac{1}{4}\right)$

19. $\left(-\frac{2}{5}\right) \div \left(\frac{3}{10}\right)$

20. $\left(\frac{3}{4}\right) \div \left(-\frac{9}{16}\right)$

21. $\left(-\frac{5}{9}\right) \div \left(-\frac{10}{27}\right)$

22. $\left(-\frac{6}{7}\right) \div \left(\frac{2}{3}\right)$

23. $\left(\frac{4}{5}\right) \div \left(-\frac{2}{15}\right)$

24. $\left(-\frac{1}{2}\right) \div \left(-\frac{3}{8}\right)$

25. $\left(-\frac{9}{10}\right) \div \left(\frac{3}{5}\right)$

26. $\left(-2\frac{1}{3}\right) \div \left(\frac{1}{3}\right)$

27. $\left(3\frac{1}{2}\right) \div \left(-\frac{1}{4}\right)$

28. $\left(-4\frac{2}{5}\right) \div \left(\frac{2}{3}\right)$

29. $\left(5\frac{1}{3}\right) \div \left(-\frac{2}{7}\right)$

30. $\left(-1\frac{3}{4}\right) \div \left(-\frac{1}{2}\right)$

31. $\left(-3\frac{1}{5}\right) \times \left(\frac{2}{7}\right)$

32. $(2 \frac{2}{3}) \times (-\frac{3}{4})$

33. $(-1 \frac{1}{6}) \times (-\frac{2}{3})$

34. $(4 \frac{1}{2}) \times (-\frac{2}{9})$

35. $(-5 \frac{3}{4}) \times (-\frac{4}{5})$

Word problems (use multiplication or division of negative fractions)

36. A submarine is at $-\frac{3}{4}$ km below sea level. It descends another $\frac{2}{3}$ of that depth. How much deeper did it go?

37. A company had a loss of $-\frac{5}{6}$ million dollars last quarter. This quarter the loss is $\frac{2}{5}$ of last quarter's loss. What is the current loss (in millions)?

38. The temperature is $-\frac{8}{9}$ °C. Over the next hour it drops by $\frac{3}{4}$ of that amount. How much colder (in °C) does it get?

39. Jamie owes $\$\frac{3}{4}$. She pays back $\frac{1}{3}$ of the debt. How much money did she pay?

40. A diver is $\frac{6}{5}$ meters below the surface. He goes down an additional $\frac{1}{2}$ of that distance. How much deeper (in meters) is he now?

41. A bank account is overdrawn by $-2 \frac{1}{2}$ dollars. The bank charges a fee equal to $\frac{3}{4}$ of the overdraft. How much is the fee?

42. Sofia is at $-\frac{3}{8}$ km below sea level. She travels $\frac{4}{5}$ of that distance further below. How much further below (in km) is she?

43. A company's loss was $-\frac{2}{3}$ million. This quarter the loss is reduced to $\frac{1}{4}$ of that previous loss. What is the loss now (in millions)?

44. The temperature is $-5 \frac{1}{2}$ °C and it gets colder by $\frac{2}{3}$ of that amount. How many degrees colder is it?

45. A diver at $-4 \frac{1}{4}$ m goes down an additional $\frac{1}{2}$ of that depth. How many meters deeper did the diver go?

46. A debt of $-\frac{5}{6}$ of a dollar is shared equally among 3 people. How much does each person owe?

47. The normal flow through a pipe is 60 L/min. A clog reduces the flow by $\frac{3}{5}$ of the normal flow. How many liters per minute does the clog reduce (use negative to show reduction)?

48. A recipe needs $\frac{2}{3}$ cup of sugar but a cook removes $\frac{1}{4}$ of that amount by mistake. How much sugar (in cups) was removed?

49. A cliff point is at $-3 \frac{1}{2}$ meters relative to a reference. A storm erodes $\frac{2}{7}$ of that cliff downward. How many meters did it erode?

50. A student's points drop by $\frac{2}{5}$ of the current score. If the score was 80 points, by how many points did it drop?