Multiply and Divide Positive and Negative Numbers

Multiplying and Dividing Rules	1. $(4)(5) = 20$
➕ and ➕ = ➕	$\frac{1}{4} \div 2 = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$
➖ and ➖ = ➕	2. $(-4)(-5) = 20$
➕ and ➖ = ➖	$(-36) \div (-4) = 9$
➖ and ➕ = ➖	3. $(4)(-5) = -20$
	$36 \div (-4) = -9$
Same Signs = Positive Different Signs = Negative	4. $(-4)(5) = -20$
	$(-36) \div 4 = -9$

Fractions- when dividing don't ask why, _flip_ the 2nd and <u>multiply</u>.

Decimal- divisor needs to be a whole number (1st number is the dividend, 2nd the divisor)   1. $4 \div .7$

$$7 \overline{)14}^{\,2}$$

move decimal to make the divisor a whole number

DO NOT USE A CALCULATOR TO COMPLETE THIS REMEDIATION.

Try These

1. $(-2)(-7) =$

2. $(8)(-11) =$

3. $(12)(-7) =$

4. $(-3)(-13) =$

5. $(-25)(-12) =$

6. $(-5)(50) =$

7. $(-12)(5) =$

8. $(-9)(0) =$

9. $(-11)(-1) =$

10. $(-1.2)(-2.5) =$

11. $(3.8)(-0.1) =$

12. $(-1.2)(12) =$

13. $(-6) \div (-2) =$

14. $(15) \div (-3) =$

15. $(12) \div (-3) =$

16. $(-48) \div (-4) =$

17. $(-75) \div \left(-\frac{3}{5}\right) =$

18. $(-150) \div (50) =$

19. $(-12.8) \div (-0.4) =$

20. $(0) \div (-8) =$

21. $(-1.8) \div (-12) =$

22. $(-18) \div \left(-\frac{2}{3}\right) =$

23. $\left(\frac{7}{8}\right) \div \left(-\frac{7}{16}\right) =$

24. $\left(-\frac{2}{3}\right) \div \left(\frac{3}{4}\right) =$

Find each product.

1. $3(-7)$

2. $-2(8)$

3. $4(5)$

4. $-7(-7)$

5. $-9(3)$

6. $8(-6)$

7. $6(2)$

8. $-5(-7)$

9. $2(-8)$

10. $-10(-2)$

11. $9(-8)$

12. $12(0)$

13. $-4(-4)(2)$

14. $7(-9)(-1)$

15. $-3(5)(2)$

16. $3(-4)(-2)(2)$

17. $6(-1)(2)(1)$

18. $-5(-3)(-2)(-1)$

Find each quotient.

1. $28 \div 7$

2. $-33 \div 3$

3. $42 \div (-6)$

4. $-81 \div (-9)$

5. $12 \div 4$

6. $72 \div (-9)$

7. $15 \div 15$

8. $-30 \div 5$

9. $-40 \div (-8)$

10. $56 \div (-7)$

11. $-21 \div (-3)$

12. $-64 \div 8$

13. $-8 \div 8$

14. $-22 \div (-2)$

15. $32 \div (-8)$

16. $-54 \div (-9)$

17. $60 \div (-6)$

18. $63 \div 9$

19. $-45 \div (-9)$

20. $-60 \div 5$

21. $24 \div (-3)$

22. $\frac{-12}{6}$

23. $\frac{40}{-10}$

24. $\frac{-45}{-9}$