

**Do Now:** Find the product or quotient.

- $14(12)$     168
- $7(19)$     133
- $108 \div 4$     27
- $111 \div 3$     37

Sep 18-7:07 AM

29, 46

$m - 3 - 10$ ,  $m = -6$

$-6 - 3 - 10$   
 $-9 - 10$   
 (-19)

$x - y - z$   
 $-5 - 14 - (-7)$   
 $-19 - (-7)$   
 $-19 + 7$   
 (-12)

Sep 18-8:01 AM

(40)  $-402 + 74 - 281$

$-328 - 281$   
 (-609)

$3402$   
 $- 74$   
 328

$1328$   
 $+ 281$   
 609

Sep 18-8:03 AM

**Do Now:** Multiplication Challenge

Add 20 seconds to time  
 (Clock was broken)

Sep 16-7:41 AM

**1.7 Multiplying and Dividing Integers**

7.NS.2.abc

- SWBAT multiply and divide integers.
- SWBAT understand numbers and understand how operations are related.

Calculators: No

Sep 16-7:47 AM

**Multiplying Integers and Dividing Integers**

Same sign

- the product or quotient is positive

Example:  $2(4) = 8$        $-2(-4) = 8$

$8 \div 4 = 2$        $-8 \div (-4) = 2$

Sep 16-7:49 AM

**Different sign**  
 • the product or quotient is **negative**

Example:  $2(-4) = -8$        $-2(4) = -8$   
 $-8 \div 4 = -2$        $8 \div (-4) = -2$

Sep 12-11:09 AM

Find the product.

- $-2(-1) = \underline{2}$
- $-3(5) = \underline{-15}$
- $12(10) = \underline{120}$
- $3(-7) = \underline{-21}$
- $4(-10)(-12) = \underline{480}$   
 $4(120) = 480$        $\begin{array}{r} 120 \\ \times 4 \\ \hline 480 \end{array}$

Sep 16-8:20 AM

**Try This:** Find the product.

- $15(-4) = \underline{\text{Neg.}}$
- $11(13) = \underline{\text{Pos.}}$
- $-19(0) = \underline{0}$
- $-4(-17) = \underline{\text{Pos.}}$
- $(-6)(-12)(-3) = \underline{\text{Neg.}}$   
 $\begin{array}{l} \text{Pos (Neg)} \\ \text{Neg} \end{array}$

Sep 16-8:20 AM

Divide the integers.

- $-48 \div (-6) = \underline{8}$
- $56 \div (-8) = \underline{-7}$
- $0 \div 9 = \underline{0}$
- $-23 \div 0 = \underline{\text{undefined}}$   
 $\begin{array}{r} 9 \overline{) 0} \\ \underline{0} \\ 0 \end{array}$        $\begin{array}{r} 9 \overline{) 0} \\ \underline{0} \\ 0 \end{array}$   
 Numerator
- $720 \div (-72) \div (-5) = \underline{2}$   
 $-10 \div (-5) = 2$   
 $\begin{array}{r} 0 \overline{) -23} \\ \underline{-0} \\ -23 \end{array}$        $\begin{array}{r} 0 \overline{) -23} \\ \underline{-0} \\ -23 \end{array}$   
 Denominator      (und.)

Sep 21-7:47 AM

**Try This:**

- $-60 \div (-12) = \underline{\text{Pos.}}$
- $-77 \div 7 = \underline{\text{Neg.}}$
- $72 \div 0 = \underline{\text{undefined}}$
- $0 \div (-10) = \underline{0}$
- $-36 \div 4 \div 3 = \underline{\text{Neg.}}$

Sep 21-7:47 AM

Herbie recorded turtles at the following depths (in feet) while snorkeling. Find the mean of the depths.

$-10, -15, -12, -20, -8$

$-10 + (-15) + (-12) + (-20) + (-8) = -65$

$\frac{-65}{5} = \underline{-13 \text{ ft}}$

Sep 21-7:44 AM

**Exit Pass 1.7**

1. If  $a$  and  $b$  are integers and the expression  $a(b)$  is positive, what do you know about the signs of  $a$  and  $b$ ?



$a \cdot b =$  positive answer

Both are negative:  $-a \cdot (-b)$

Both are positive:  $a \cdot b$

Sep 12-11:16 AM

"If you cannot catch a fish, do not blame the sea."

Working individually or with a partner, complete the classwork.

pg. 45 #12-24 evens

pg. 46 #29-34 all



Sep 21-8:50 AM

**Reflection of Today's Lesson****1.7 Multiplying and Dividing Integers**

7.NS.2.abc

SWBAT multiply and divide integers ✓

SWBAT understand numbers and understand how operations are related. ✓

Sep 16-10:45 AM

**Homework**

- Finish classwork  
(pg. 45 #12-24 evens)  
(pg. 46 #29-34 all)
- Test on Tuesday!



Sep 12-11:15 AM