## Unit 5 Lesson 10 Cumulative Practice Problems

1. Evaluate each expression:
	1. $-12⋅\frac{1}{3}$
	2. $-12⋅-\frac{1}{3}$
	3. $12⋅\left(-\frac{5}{4}\right)$
	4. $-12⋅\left(-\frac{5}{4}\right)$
2. Evaluate each expression:
	1. $-1⋅2⋅3$
	2. $-1⋅(-2)⋅3$
	3. $-1⋅(-2)⋅(-3)$
3. Order each set of numbers from least to greatest.
	1. 4, 8, -2, -6, 0
	2. -5, -5.2, 5.5, $-5\frac{1}{2}$, $\frac{-5}{2}$
* (From Unit 5, Lesson 1.)
1. $30+-30=0$.
	1. Write another sum of two numbers that equals 0.
	2. Write a sum of three numbers that equals 0.
	3. Write a sum of four numbers that equals 0, none of which are opposites.
* (From Unit 5, Lesson 3.)
1. A submarine is searching for underwater features. It is accompanied by a small aircraft and an underwater robotic vehicle.
* At one time the aircraft is 200 m above the surface, the submarine is 55 m below the surface, and the underwater robotic vehicle is 227 m below the surface.
	1. What is the difference in height between the submarine and the aircraft?
	2. What is the distance between the underwater robotic vehicle and the submarine?
* (From Unit 5, Lesson 6.)
	1. Clare is cycling at a speed of 12 miles per hour. If she starts at a position chosen as zero, what will her position be after 45 minutes?
	2. Han is cycling at a speed of -8 miles per hour; if he starts at the same zero point, what will his position be after 45 minutes?
	3. What will the distance between them be after 45 minutes?
* (From Unit 5, Lesson 8.)
1. Fill in the missing numbers in these equations
	1. $(-7)⋅?=-14$
	2. $?⋅3=-15$
	3. $?⋅4=32$
	4. $-49⋅3=?$
* (From Unit 5, Lesson 9.)



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