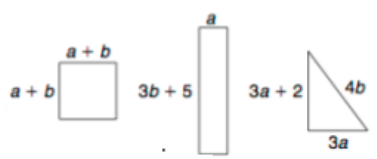Week 10

1. The expression $\$1.25p + \$3.50$ can be used to calculate the total charge for faxing p pages at a business service store. How much would it cost to fax 8 pages? A. $12.50 B. $4.75 C. $13.50 D. $10.00 *MS7 1-7*	6. $54 - 6 \bullet 3 + 4^2 =$ A. 160 B. 88 C. 52 D. 44 *MS7 1-5*
2. Choose $<, >, =, \neq$ $$|-79| \quad |65|$$ A. $<$ B. $>$ C. $=$ D. $\geq$ *MS7 2-1*	7. Use $<$ to order each set of integers from least to greatest. $$-4, -40, 4, -14$$ A. $-4 < -40 < 4 < -14$ B. $-40 < -14 < 4 < -4$ C. $4 < -4 < -14 < -40$ D. $-40 < -14 < -4 < 4$ *MS7 2-1*
3. Simplify the expression $4 + 24 \div 2^3$ A. 8 B. 7 C. 1 D. 0 *MS7 1-5*	8. Rosemary runs 16 miles on Friday, 8 miles on Saturday, and 14 miles on Sunday. How many miles does she run in all? A. 22 mi B. 24 mi C. 30 mi D. 38 mi *MS7 1-6*
4. Maxine works 8 hours at a rate of $16 per hour. Which expression could NOT be used to find her total earnings in dollars? A. $8 \bullet (10 \bullet 6)$ B. $8 \bullet (20 - 4)$ C. $8 \bullet (10 + 6)$ D. $8 \bullet (8 + 8)$ *MS7 1-8*	9. In Indianapolis, Indiana, the coldest recorded temperature was $-23°F$. The hottest recorded temperature was $127°F$ higher. What was the hottest temperature in Indianapolis? A. 150°F B. 127°F C. 104°F D. $-150°F$ *MS7 2-2*
5. Which of the following shows how the Distributive Property could be used to simplify 7(28)? A. $7 \bullet 2 \bullet 8$ B. $7 \bullet (20 \bullet 8)$ C. $7 \bullet (20 + 8)$ D. $(7 \bullet 20) + 8$ *MS7 1-6*	10. Which of the following represents the Identity Property? A. $(8 \bullet 4) \bullet 3 = 8 \bullet (4 \bullet 3)$ B. $16 \times 0 = 0$ C. $25 \bullet 1 = 25$ D. $6(26) = 6(20) + 6(6)$ *MS7 1-6*

Week 10

11. On Wednesday night in St. Petersburg, Russia, the temperature is $-11°C$. On the same night in Bombay, India, the temperature is $17°C$. What is the difference in temperature? A. $-6°C$ B. $50°C$ C. $-187°C$ D. $28°C$ *MS7 2-3*	16. A small company had a profit of -$528 in January. If it continues to have the same profit each month for 4 months, what will be the company's total profit for 4 months? A. $-\$132$ B. $\$132$ C. $-\$2,112$ D. $\$2,112$ *MS7 2-4*
12. Randi runs 48 miles each week. She runs the same distance daily and runs each day of the week. How many miles does she run each day? Write your answer as a mixed number. A. $6\frac{6}{7}$ B. $6\frac{5}{6}$ C. $6\frac{7}{48}$ D. $7\frac{1}{7}$ *MS7 3-11*	17. At Kareem's school, 81 students are going to a concert. They are going by van, 9 students per van. Each van will pay $5.50 in tolls. What is the total amount in tolls for all vans taking students to the concert? A. $\$49.50$ B. $\$48.50$ C. $\$47.00$ D. $\$46.50$ *MS7 2-4*
13. Sam is 5 ft. tall. The expression $0.5m + 60$ can be used to calculate his height in inches if he grows an average of 0.5 inches each month. How tall will Sam be in 6 months? A. 56 inches B. 5 feet 6 inches C. 63 inches D. 53 inches *MS7 1-7*	18. Given $a = 2$ and $b = 4$, which shape has the largest perimeter? A. rectangle B. square C. triangle D. The rectangle and triangle are equal *MS7 1-7*
14. Solve. $$856 - (-856) =$$ A. 0 B. -856 C. 1712 D. -1712 *MS7 2-3*	19. We have learned that "subtraction is adding the additive inverse" (opposite). Think about what this really means. Part I: Demonstrate how you can "add the opposite" to compute the following problem. (2 points) 5 – 10 = -5
15. Solve $$-35.46 \cdot -23.8 =$$ A. 843 B. -843.948 C. -843 D. 843.948 *MS7 3-3*	Part II: Create your own subtraction problem using at least one negative number, and use the idea of "adding the additive inverse" to find the answer. Show your work. (4 points) Part III: Explain in words the process you used in Part II. (4 points)