

Week 8

1. The chart shows the temperature at noon in Portland, Maine, and the change from the previous day. Between which two days was the temperature change the greatest?

Day	1	2	3	4	5
Temp	2°	6°	-3°	0°	-8°

- A. Days 1 and 2
- B. Days 2 and 3
- C. Days 3 and 4
- D. Days 4 and 5

MS7 2-3

6. Divers discovered a shipwreck lying 54 feet below sea level. The crane they rented to hoist up process of the wreck stood 87 feet above sea level. What is the distance between the level of the wreck and the level of the crane?

- A. 33 feet
- B. 141 feet
- C. 131 feet
- D. 151 feet

MS7 2-3

2. Add.

$$5,643 + (-984) =$$

- A. -4,659
- B. -3,321
- C. 4,659
- D. 5,319

MS7 2-2

7. Subtract.

$$-906 - 583 =$$

- A. -1,489
- B. -323
- C. 323
- D. 1,489

MS7 2-3

3. Which of the following shows the mixed numbers in order from least to greatest?

- A. $2\frac{3}{4}$, $2\frac{5}{8}$, $2\frac{4}{7}$, $2\frac{7}{10}$
- B. $2\frac{4}{7}$, $2\frac{5}{8}$, $2\frac{7}{10}$, $2\frac{3}{4}$
- C. $2\frac{3}{4}$, $2\frac{4}{7}$, $2\frac{5}{8}$, $2\frac{7}{10}$
- D. $2\frac{4}{7}$, $2\frac{7}{10}$, $2\frac{3}{4}$, $2\frac{5}{8}$

MS7 2-11

8. Which of the following shows the decimals in order from greatest to least?

- A. 0.2, -0.21, 0.25, -0.22
- B. 0.25, 0.2, -0.21, -0.22
- C. -0.22, -0.21, 0.2, 0.25
- D. -0.21, 0.25, 0.2, -0.22

MS7 2-11

4. Multiply. Show your answer in simplest form.

$$2\frac{5}{12} \times 3\frac{1}{8} =$$

- A. $\frac{725}{96}$
- B. $7\frac{53}{96}$
- C. $6\frac{5}{96}$
- D. $\frac{581}{96}$

MS7 3-10

9. Multiply.

$$8.326 \times 8.49 =$$

- A. 70.68
- B. 70.687
- C. 70.6877
- D. 70.68774

MS7 3-3

5. What is the value of $2x + 6y$ when $x = 7.1$ and $y = 8.4$?

- A. 22.6
- B. 57.5
- C. 59.4
- D. 64.6

MS7 3-2, 3-3 and 1-7

10. Add.

$$42.35 + 4.368 =$$

- A. 0.08603
- B. 86.03
- C. 46.718
- D. 0.46718

MS7 3-2

Week 8

11. The data below are the numbers of words per minute a student typed in six different typing tests.

47, 48, 45, 52, 56, 47

Which of the following sets of data has the same median?

- A. 38, 44, 47, 47, 49, 50
- B. 40, 41, 47, 48, 48, 51
- C. 39, 45, 48, 48, 50, 51
- D. 42, 47, 48, 49, 49, 50

MS7 7-2

16. Evaluate.

$$-4\frac{3}{4} \div 2\frac{1}{4} =$$

- A. $2\frac{1}{9}$
- B. $-2\frac{1}{9}$
- C. $42\frac{3}{4}$
- D. $-42\frac{3}{4}$

MS7 3-11

12. Which of the following correctly uses the order of operations?

- A. $6 + 6^2 \cdot 3 - 4 = 144$
- B. $12 \div 8 \cdot 30 - 10 = 35$
- C. $1 + 6 \cdot 3^3 - 18 = 171$
- D. $(5 - 3)^2 - 3^2 + 5^2 = 36$

MS7 1-5

17. Evaluate.

$$-36.36 \div -4 =$$

- A. 0.11
- B. -0.11
- C. 9.09
- D. -9.09

MS7 3-4

13. Find the product.

$$\frac{7}{8} \times 4\frac{5}{6} =$$

- A. $-4\frac{11}{48}$
- B. 203
- C. -203
- D. $4\frac{11}{48}$

MS7 3-10

18. A recipe for muffins needs three-fourths of a cup of milk. You are making half of the recipe. How much milk should you use?

- A. $\frac{2}{3}$ cup
- B. $\frac{3}{8}$ cup
- C. $\frac{4}{5}$ cup
- D. $\frac{4}{7}$ cup

MS7 3-10

14. Solve.

$$18.234 \times (-6.3) =$$

- A. 114.8742
- B. 24.534
- C. -114.8742
- D. -24.534

MS7 3-3

19. A cookie recipe calls for $3\frac{1}{2}$ cups of flour, $\frac{1}{4}$ cup of peanut butter, and $\frac{3}{4}$ cup of sugar. How many cups of ingredients do you need to use in simplest form?

- A. $4\frac{2}{4}$ cups
- B. $18\frac{1}{4}$ cups
- C. $4\frac{1}{2}$ cups
- D. 4 cups

MS7 3-8 and 3-9

15. Charles' bank statement is shown below. If his beginning balance was \$32, what is his ending balance?

Date	Transaction	Amount	Balance
Jan. 3	Deposit	\$432.00	
Jan. 8	Deposit	\$102.00	
Jan. 22	Withdrawal	\$387.56	
Feb. 6	Withdrawal	\$18.98	
Feb. 18	Deposit	\$321.00	

- A. \$480.46
- B. \$450.46
- C. \$482.54
- D. \$1,292.00

MS7 3-2

20. A team of scientists in the Arctic recorded the following daily high temperatures at their base camp.

Day 1	Day 2	Day 3	Day 4
-34°	-24°	-29°	-36°

Which day was the warmest day?

- A. Day 1
- B. Day 2
- C. Day 3
- D. Day 4

MS7 2-1