

Answers to the midterm

1. Write 12,362,104,004 in words.

Answer. Twelve billion, three hundred sixty-two million, one hundred four thousand four.

2. Write “twelve million, thirteen” in numerals.

Answer. 12,000,013

3. A square has side $2\frac{1}{4}$ inches find

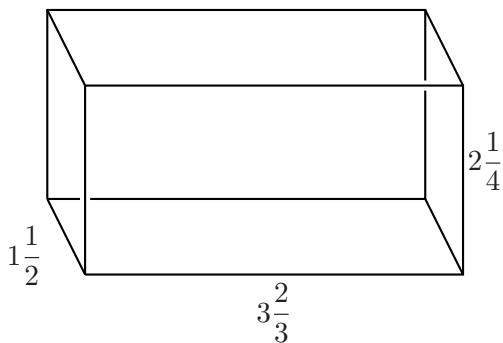
(a) its perimeter

Answer. 9 inches

(b) its area

Answer. $5\frac{1}{16}$ square inches.

4. Find the volume of the following rectangular prism:



Answer. $12\frac{3}{8}$ cubic units.

5. Change 2.88 into a mixed number.

Answer. $2\frac{22}{25}$

6. Find the prime factorization of 2520.

Answer. $2520 = 2^3 \cdot 3^2 \cdot 5 \cdot 7$.

7. Add: $2\frac{2}{5} + 3\frac{3}{4}$. Give your answer as a mixed number.

Answer. $6\frac{3}{20}$

8. Divide: $1\frac{2}{5} \div 4\frac{3}{10}$. Give your answer as a mixed number.

Answer. $\frac{14}{43}$

9. The temperatures for four consecutive days were 53° , 43° , 65° , and 39° . What was the average temperature?

Answer. 50°

10. Which one is larger: $\frac{4}{9}$ or $\frac{5}{12}$?

Answer. $\frac{4}{9}$

11. Find $\frac{4}{5}$ of 65.

Answer. 52.

12. A class has 24 students. If $\frac{2}{3}$ of the class passed an exam how many students failed the exam?

Answer. 8 students failed the exam.