

5. Which equations with exponential expressions are true?

Select **all** that apply.

A.  $3^3 = 3 \cdot 3$

B.  $5^2 = 5 \cdot 5$

C.  $5^4 = 4 \cdot 4 \cdot 4 \cdot 4$

D.  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 = 6^7$

E.  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 = 7^6$

F.  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 = 7^7$

6. Enter your answer in the box.

$$34,992 \div 81 =$$

7. These five rational numbers are plotted on a horizontal number line.

$$-\frac{2}{3}, \frac{7}{8}, -\frac{4}{5}, \frac{7}{10}, -\frac{4}{3}$$

Which statement about the locations on the number line of the rational numbers is true?

A.  $-\frac{2}{3}$  is farthest to the left, and  $\frac{7}{8}$  is farthest to the right.

B.  $-\frac{4}{3}$  is farthest to the left, and  $\frac{7}{8}$  is farthest to the right.

C.  $-\frac{2}{3}$  is farthest to the left, and  $\frac{7}{10}$  is farthest to the right.

D.  $-\frac{4}{3}$  is farthest to the left, and  $\frac{7}{10}$  is farthest to the right.

8. What is the greatest common factor of 16 and 48?

Enter your answer in the box.

9. Select each expression that is equivalent to  $3(n + 6)$ .

Select **all** that apply.

A.  $3n + 6$

B.  $3n + 18$

C.  $2n + 2 + n + 4$

D.  $2(n + 6) + (n + 6)$

E.  $2(n + 6) + n$

10. What is the sum of 74.835 and 2.67?

Enter your answer in the box.