Math Boxes

1 Solve.

a. $(3 \times 4) + (18 \div 3) =$ 18

b. $[7 \times (2 + 3)] - 20 =$ 15

c. $2 \times \{(81 \div 9) \div (9 \div 3)\} =$ 6

SRB

2 Write a 5-digit number with
6 in the ones place,
3 in the thousands place,
1 in the hundreds place,
8 in the ten-thousands place,
and 0 in the tens place.

8 3 1 0 6

SRB

3 Which expressions show 3,248 in expanded form?

Fill in the circle next to all that apply.

Ⓐ $32 \times 1{,}000 + 4 \times 10 + 8 \times 1$

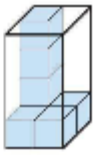
Ⓑ 3 [1,000s] + 2 [100s] + 4 [10s] + 8 [1s]

Ⓒ $3 \times 1{,}000 + 2 \times 100 + 4 \times 10 + 8 \times 1$

Ⓓ $3 \times 10^3 + 2 \times 10^2 + 4 \times 10^1 + 8 \times 10^0$

SRB

4 Find the volume of the prism.
Use the formula $V = l \times w \times h$.



Volume = 2 × 2 × 4 = 16 units^3

SRB

5 Write in exponential notation.

a. $10 \times 10 \times 10 \times 10$ 10^4

b. $10 \times 10 \times 10$ 10^3

c. $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$ 10^{11}

SRB

6 Asher used 5 apples to make an apple pie. To make a jar of applesauce he needed twice as many apples as he needed for the pie plus two more. Write an expression that models how many apples Asher needed for the applesauce.

Sample answer:
$(5 \times 2) + 2$

SRB