

Mark the best answer.

- 1** Mr. Levine bought 6 boxes of nails. Each box has 123 nails. Which number sentence shows the best way to use rounding to estimate the total number of nails? (4-3)

A $6 \times 100 = 600$
 B $6 + 200 = 206$
 C $6 \times 200 = 1200$
 D $6 + 100 = 106$

- 2** Part of the calculation for 7×38 is shown below. What partial product should replace ? (4-4)

	38
×	7
<input type="text"/> <input type="text"/>	
	+ 210
266	

A 21
 B 56
 C 66
 D 210

- 3** What is $3 \times 5,039$? (4-7)

A 15,117
 B 15,107
 C 15,039
 D 8,342

- 4** Maria has 60 cherries. She wants to make fruit cups, each with the same number of cherries. If Maria uses all of the cherries, which arrangement is NOT possible? (4-5)

A 6 fruit cups with 10 cherries
 B 10 fruit cups with 6 cherries
 C 15 fruit cups with 4 cherries
 D 3 fruit cups with 18 cherries

- 5** A one pound bag of soil will cover about 200 square inches of garden space. How many square inches of garden space will 4 pounds cover? (4-1)

A 80
 B 800
 C 4,000
 D 8,000

6 Tommy picked up after gym class. He put 8 basketballs in each of 11 bags. Which is a way to find 8×11 ? (4-2)

- A $(4 \times 11) + (8 \times 11)$
- B $(8 \times 6) + (8 \times 5)$
- C $(8 \times 4) + (8 \times 4)$
- D $(4 \times 6) + (4 \times 5)$

7 A bridge had 978 cars cross it last week. At this rate how many cars would cross the bridge in 3 weeks? (4-6)

- A 975
- B 981
- C 1,956
- D 2,934

8 A binder can hold 146 sheets of paper. Tony has 6 full binders. Which number sentence shows the best way to use compatible numbers to estimate the total number of sheets of paper Tony has? (4-3)

- A $6 \times 150 = 900$
- B $876 \div 6 = 146$
- C $6 \times 200 = 1200$
- D $900 \div 3 = 300$

9 Devon completed 17 science questions in 4 minutes. At this rate, about how many science questions will he finish in 12 minutes? (4-3)

- A 25
- B 40
- C 60
- D 90

- 10** Charlie's backyard has 6 gardens. There are 38 plants in each garden. Which is a reasonable number of plants in Charlie's backyard? (4-8)

A 200, because $5 \times 40 = 200$
B 150, because $5 \times 30 = 150$
C 180, because $6 \times 30 = 180$
D 240, because $6 \times 40 = 240$

- 11** On average each hour of television contains 12 minutes of commercials. How many minutes of commercials would be shown in 6 hours? Use mental math to solve. (4-2)

A 72
B 70
C 60
D 12

- 12** A recycling center processes 62,740 cans every week. How many cans will the center process in 3 weeks? (4-7)

A 187,220
B 188,200
C 188,220
D 189,220

- 13** Which number sentence does 8 make true? (4-6)

A $154 \times \square = 1,234$
B $238 \times \square = 1,804$
C $324 \times \square = 2,594$
D $428 \times \square = 3,424$

- 14** What is 3×91 ? (4-5)

A 30
B 88
C 94
D 273

- 15** Sara can write 50 thank-you cards using 1 package of paper. If she uses 5 packages of paper, how many thank-you cards can she write? (4-1)

A 60
B 250
C 300
D 1,125