

Choose the correct answer.

- 1 The largest number in the fact family below is 143.

11, ■, 143

What number sentence is **not** a member of the fact family that includes the numbers above?

- A. $11 \times 12 = 143$
- B. $11 \times 13 = 143$
- C. $143 \div 11 = 13$
- D. $143 \div 13 = 11$

For 2–3, use this multiplication puzzle.

×	40	3	43
10	400	30	430
7	280	21	301
17	A	51	B

- 2 What partial product should replace A?
 - A. 280
 - C. 680
 - B. 400
 - D. 720
- 3 Which number sentence is **not** represented by the multiplication puzzle?
 - A. $43 \times 17 = B$
 - B. $430 + 301 = A + 51$
 - C. $430 + 301 = B$
 - D. $430 + 301 + A + 51 = B$

- 4 Which is the only number sentence that **cannot** be used to complete the empty column in the table?

×	1	2	3	4		6
18	18	36	54	72		108

- A. $(1 \times 18) + (4 \times 18) = 90$
- B. $(2 \times 18) + (3 \times 18) = 90$
- C. $(4 \times 18) + (2 \times 18) = 90$
- D. $(6 \times 18) - (1 \times 18) = 90$

For 5–6, use the pattern to help you choose the missing product.

- 5
 - $60 \times 7 = 420$
 - $60 \times 70 = 4,200$
 - $600 \times 7 = 4,200$
 - $600 \times 70 = \blacksquare$
 - A. 420
 - B. 4,200
 - C. 42,000
 - D. 420,000
- 6
 - $8 \times 40 = 320$
 - $8 \times 400 = 3,200$
 - $80 \times 40 = \blacksquare$
 - $80 \times 400 = 32,000$
 - A. 320
 - B. 3,200
 - C. 32,000
 - D. 320,000

- 7 Which expression shows a way to find the product 27×29 ?
- A. $(28 \times 28) + 1$
B. $(28 \times 28) - 1$
C. $(26 \times 30) - 4$
D. $(26 \times 30) - 1$
- 8 Which expression shows a way to find the product 39×43 ?
- A. $(41 \times 41) - 4$
B. $(41 \times 41) - 2$
C. (41×41)
D. $(41 \times 41) - 9$
- 9 Which set of numbers is ordered from least to greatest?
- A. 9,921,938 9,992,056 9,977,912
B. 4,030,102 4,030,021 4,302,300
C. 2,304,521 2,340,125 2,341,002
D. 1,809,201 1,898,102 1,810,992
- 10 The numbers below are listed in order from least to greatest.
19,983,071 19,990,005 19,991,025
- Which number is less than the greatest number and greater than the least number in the list?
- A. 20,001,006
B. 19,992,000
C. 19,986,432
D. 19,979,998
- 11 Which is the closest estimate to the actual product?
 26×49
- A. 800
B. 1,250
C. 1,500
D. 2,000
- 12 Chad needs to take enough money to the store to buy apples for his soccer team. The team has 19 players and each apple costs 29¢. Estimate how much money Chad needs to take to the store to buy apples.
- A. \$2.00
B. \$4.00
C. \$6.00
D. \$7.00
- 13 On Tuesday, Carrie counted 137 days until her next birthday. Which sentence about Carrie's birthday is true?
- A. Her birthday will be on a Tuesday.
B. Her birthday will be on a Saturday.
C. Her birthday will be 5 months from when she counted.
D. You cannot tell the day because different months have different numbers of days.