

- 1 The first four numbers in the pattern below were made using a multiplication rule.

2, 8, 32, 128, . . .

If the pattern continues the same way, what will be the next number in the pattern?

- A 256
- B 132
- C 512
- D 129

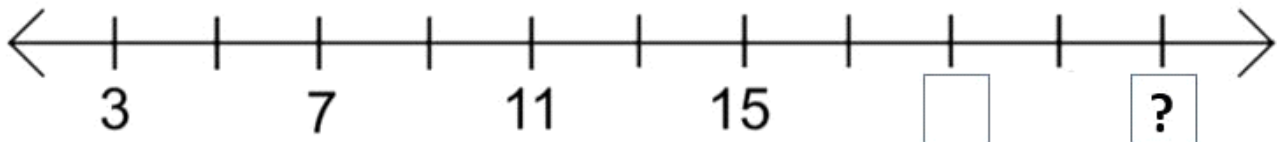
- 2 The first three numbers in the pattern below were made using a multiplication rule.

4, 12, 36, . . .

If the pattern continues the same way, what will be the next three numbers in the pattern?

- F 42, 50, 58
- G 108, 324, 972
- H 100, 200, 300
- J 39, 42, 45

- 3 Jaret made a pattern of numbers on a number line, but he did not finish it.



What would be the 6th number in his pattern?

- A 19
- B 17
- C 23
- D 21

4 Which is true?

F  $6 \times 5 = 2 \times 15$

G  $6 \times 5 = 30 + 5$

H  $6 \times 5 = 11 \times 5$

J  $6 \times 5 = 6 + 5$

5 Which statement is NOT true?

A  $16 \times 2 = 47 - 15$

B  $27 \times 3 = 121 - 40$

C  $9 \times 9 = 115 - 32$

D  $8 \times 4 = 72 - 40$

6 Which fraction below represents a way to write "1 divided by 5"?

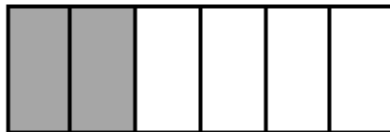
F  $\frac{1}{5}$

G  $1 \frac{1}{5}$

H  $5 \frac{1}{5}$

J  $\frac{5}{1}$

7 A rectangle is  $\frac{2}{6}$  shaded.



Which fraction is equal to  $\frac{2}{6}$  ?

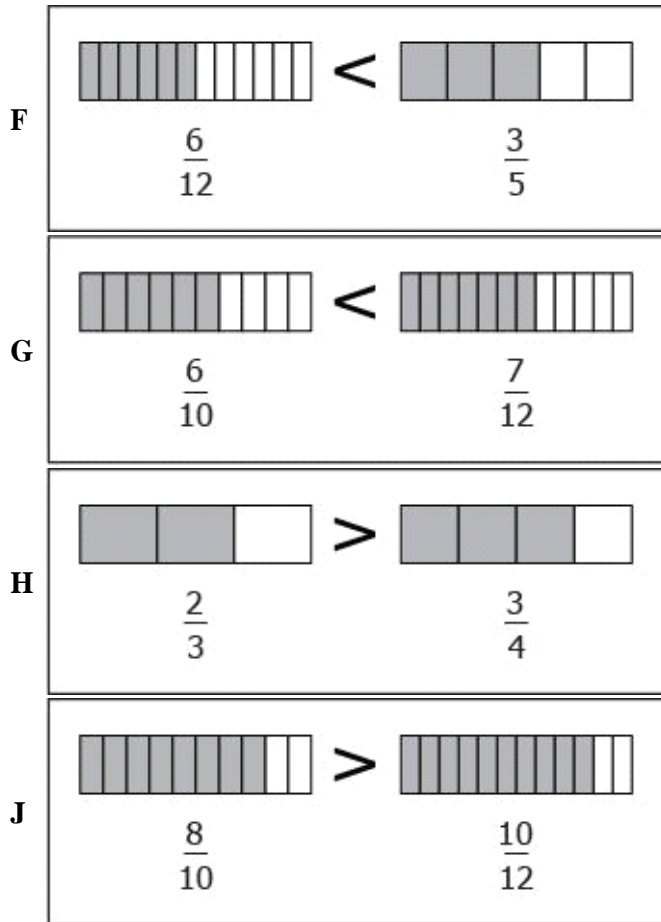
A  $\frac{1}{5}$

C  $\frac{2}{4}$

B  $\frac{1}{3}$

D  $\frac{4}{8}$

8 Which fraction card shows a true statement?



9 Which statement is true?

- A  $1,009,543 < 1,008,543$
- B  $1,009,872 < 1,009,458$
- C  $2,340,678 > 2,350,678$
- D  $2,435,656 > 2,434,652$

10 Eight million, sixty-three thousand, fifty people watched the 2011 Super Bowl. What is "eight million, sixty-three thousand, fifty" written in standard form?

- F 8,063,050
- G 8,630,500
- H 8,630,050
- J 8,063,500