

MCAS Mathematics - Grade 6 - Week of May 4
Question 1: Multiple-Choice
Reporting Category: Number Sense and Operations
Standard: 6.N.1



Which of the following is equivalent to the expression below?

$$5^4$$

- A. 54
 - B. 5×4
 - C. $5 \times 5 \times 5 \times 5$
 - D. $4 \times 4 \times 4 \times 4 \times 4$
-

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Question 2: Multiple-Choice
Reporting Category: Number Sense and Operations
Standard: 6.N.12



Michael has exactly 204 stamps. He has 43 more stamps than Brian. What is the total number of stamps Brian has?

- A. 161
 - B. 167
 - C. 247
 - D. 261
-

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Question 4: Multiple-Choice
Reporting Category: Number Sense and Operations
Standard: 6.N.9



The table below shows the number of points that each player on a basketball

team scored in his last game.

Points Scored

Player	Number of Points Scored
Alex	9
Doug	12
Nick	15
Keith	5
Sam	4

What percent of the total number of points did Alex score?

- A. 9%
- B. 20%
- C. 25%
- D. 45%

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Question 7: Multiple-Choice
Reporting Category: Number Sense and Operations
Standard: 6.N.13



Last year, Jenna's town recycled 9.85 tons of paper. This year, her town recycled 18.5 tons of paper.

How much more paper did the town recycle this year than last year?

- A. 8.00 tons
- B. 8.65 tons
- C. 8.75 tons
- D. 9.35 tons

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Question 8: Multiple-Choice

Reporting Category: Number Sense and Operations

Standard: 6.N.3



Which of the following has the **greatest** value?

- A. $(2 \times 100,000) + (6 \times 100)$
- B. $(2 \times 100,000) + (5 \times 1,000)$
- C. $(3 \times 10,000) + (6 \times 100) + (7 \times 10)$
- D. $(3 \times 10,000) + (5 \times 1,000) + (7 \times 10)$

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Question 11: Short-Answer

Reporting Category: Number Sense and Operations

Standard: 6.N.8



Write 84 as a product of prime numbers.

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Question 14: Multiple-Choice

Reporting Category: Number Sense and Operations

Standard: 6.N.8



Francisco, Leon, and Jack each had the same number of trading cards.

- Francisco put his cards into groups of 3 with none left over.
- Leon put his cards into groups of 4 with none left over.
- Jack put his cards into groups of 9 with none left over.

Which of the following could be the total number of trading cards each person had?

- A. 72
- B. 81
- C. 84
- D. 90

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Question 15: Multiple-Choice
Reporting Category: Number Sense and Operations
Standard: 6.N.14



Ted used the amounts of spices listed below to make a pie.

- $2\frac{3}{4}$ teaspoons of cinnamon
- $\frac{1}{2}$ teaspoon of nutmeg
- $\frac{1}{2}$ teaspoon of cloves

What is the total number of teaspoons of spices that Ted used?

- A. $2\frac{3}{8}$ teaspoons
- B. $2\frac{4}{6}$ teaspoons
- C. $3\frac{1}{4}$ teaspoons
- D. $3\frac{1}{2}$ teaspoons

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Question 19: Multiple-Choice

Reporting Category: Number Sense and Operations

Standard: 6.N.4



Megan bought a box of 30 cookies. She ate $\frac{1}{3}$ of them. What is the total number of cookies that Megan ate?

- A. 27
- B. 10
- C. 9
- D. 3

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Question 22: Multiple-Choice

Reporting Category: Number Sense and Operations

Standard: 6.N.2



At one time, the world population was 6,034,627,105. What digit is in the millions place of 6,034,627,105?

- A. 0
- B. 3
- C. 4
- D. 6

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