$\{x\}$

$x^{\square}$

$\frac{x}{y}$

100 Day Countdown to the 5th Grade Math FSA

(Days 51–100)

Name: _____

Date: _____

Teacher: _____

100 Day Countdown

to the 5th Grade Math FSA

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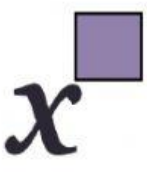


MAFS.5.NF.2.4a

1. An expression is shown.

$$\frac{1}{3} \times \frac{2}{5}$$

What is the value of the expression?

_____

MAFS.5.NF.2.4a

2. On Gavin's math test, $\frac{3}{8}$ of the questions are division problems. Of the division problems, $\frac{4}{9}$ of the problems he got incorrect. What fraction of the division problems did Gavin get incorrect?

_____

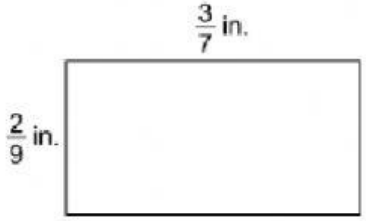
MAFS.5.NF.2.4a

3. A baker has 5 pounds of sugar. She divides them equally into 3 containers. She then uses 1 container to bake pie. Write an expression to show how many pounds of sugar the baker used?

_____

MAFS.5.NF.2.4b

4. A rectangle is shown with dimensions in inches (in.).



What is the area of the rectangle in square inches?

_____ square in.

MAFS.5.NF.2.4b

5. Select all the rectangles that have an area of $\frac{15}{24}$ square inches.

- $\frac{5}{8}$ in. by $\frac{10}{3}$ in.
- $\frac{5}{3}$ in. by $\frac{3}{8}$ in.
- $\frac{8}{6}$ in. by $\frac{7}{4}$ in.
- $\frac{3}{6}$ in. by $\frac{5}{4}$ in.
- $\frac{5}{15}$ in. by $\frac{3}{9}$ in.

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.4a

1. An expression is shown.

$$\frac{8}{3} \text{ X } \frac{5}{12}$$

What is the value of the expression?

_____

MAFS.5.NF.2.4a

2. An expression is shown.

$$\frac{2}{3} \text{ X } \frac{6}{7}$$

What is the value of the expression?

_____

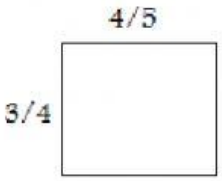
MAFS.5.NF.2.4a, MAFS.5.NF.2.6

3. Val has 3/4 gallon of milk. He gives 1/2 of it to a friend. How many gallons of milk does Val have left?

_____

MAFS.5.NF.2.4b

4. A rectangle is shown with dimensions in inches (in.).



What is the area of the rectangle in square inches?

_____ square in.

MAFS.5.NF.2.4b

5. Select the rectangle that has an area of $\frac{50}{24}$ square inches.

- $\frac{5}{8}$ in. by $\frac{10}{3}$ in.
- $\frac{5}{3}$ in. by $\frac{3}{8}$ in.
- $\frac{8}{6}$ in. by $\frac{7}{4}$ in.
- $\frac{3}{6}$ in. by $\frac{5}{4}$ in.
- $\frac{5}{15}$ in. by $\frac{3}{9}$ in.

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.4a

1. An expression is shown.

$$\frac{7}{4} \times \frac{8}{6}$$

What is the value of the expression?

_____

MAFS.5.NF.2.4a

2. An expression is shown.

$$\frac{1}{2} \times \frac{6}{9}$$

What is the value of the expression?

_____

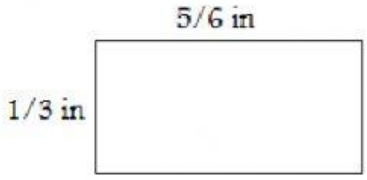
MAFS.5.NF.2.4a, MAFS.5.NF.2.6

3. Amaia likes to take her dog for walks. It is 3/5 mile around her neighborhood. If she walks her dog 8 times, how far did she walk?

_____ mile(s)

MAFS.5.NF.2.4b

4. A rectangle is shown with dimensions in inches (in.).



What is the area of the rectangle in square inches?

_____ square in.

MAFS.5.NF.2.4a

5. Which statement is true? Mark all that apply.

A. 5/8 x 8 is less than 8.

B. 3/6 x 6 is less than 6.

C. 5/4 x 2/4 is greater than 2/4.

D. 1/2 x 1/2 is equal to 1/2.

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.4a

1. An expression is shown.

$$\frac{5}{2} \times \frac{4}{7}$$

What is the value of the expression?

_____

MAFS.5.NF.2.4a

2. Of the flowers in Abigail's garden, $\frac{3}{9}$ are roses. Of the roses, $\frac{4}{6}$ are red. What fraction of the flowers in Abigail's garden are red roses?

_____

MAFS.5.NF.2.4a, MAFS.5.NF.2.6

3. Nicolette likes to take her dog for walks. It is 4/9 mile around her neighborhood. If she walks her dog 9 times, how far did she walk?

_____ mile(s)

MAFS.5.NF.2.4b

4. A rectangle is shown with the area of 15/40 square in.

Label two sides of the rectangle with appropriate fractions that would come up with the area of 15/40 square inches when multiplied together.

MAFS.5.NF.2.4b

5. Quinn wants to put a picture a new frame he received for his birthday. The picture is 4/8 inch long and 1/4 inch wide. What is the area of the picture? Mark all that apply.

A. 4/32 square inch

B. 1/2 square inch

C. 1/8 square inch

D. 4/24 square inch

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.4a

1. An expression is shown.

$$\frac{2}{3} \times 4$$

What is the value of the expression?

_____

MAFS.5.NF.2.4a, MAFS.5.NF.2.6

2. Morris has $2\frac{3}{4}$ gallons of ice tea. He gives 3/7 of it to a friend. How many gallons of ice tea does Morris have left?

_____ gallon(s) of ice tea

MAFS.5.NF.2.4a, MAFS.5.NF.2.6

3. Theodore has 6 gallons of milk. He uses 1/2 of it to make hot chocolate. Then, he uses 2/3 of the milk he has left to make cookies. How many gallons of milk does Theodore have left after making hot chocolate and cookies?

_____ gallon(s) of milk

MAFS.5.NF.2.4b

4. A rectangle is shown with the area of 14/32 square in.

Label two sides of the rectangle with appropriate fractions that would come up with the area of 14/32 square inches when multiplied together.

MAFS.5.NF.2.4b

5. A rectangle is shown with dimensions in inches (in.).

What is the area of the rectangle in square inches?

_____ square in.

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.5a

1. Two newspapers are comparing sales for last year.

- The Post sold 34,859 copies.
- The Tribune sold 34,859 x 1/2 copies.

Which statement compares the numbers of newspapers sold?

A. The Post sold half the number of newspapers that the Tribune sold.
B. The Tribune sold half the number of newspapers that the Post sold.
C. The Tribune sold twice the number of newspapers that the Post sold.
D. The Post sold the same number of newspapers that the Tribune sold.

MAFS.5.NF.2.5b

2. Kamala wrote an expression and realized that the product was equal to one of the factors in the example. Which of the following could be Kamala's expression?

A. $\frac{3}{4} \times \frac{3}{4}$ B. $\frac{3}{4} \times \frac{4}{3}$

C. $\frac{3}{4} \times \frac{7}{10}$ D. $\frac{3}{4} \times \frac{8}{8}$

MAFS.5.NF.2.5a

3. It took Tony 5/6 hour to do his math homework. It took Marge 9/10 of Tony's time to do her math homework. Which statement is true?

A. It took them both the same amount of time.
B. Tony spent less time doing his project than Marge.
C. Tony spent more time doing his project than Marge.

MAFS.5.NF.2.5b

4. Select all the expressions that have a value greater than 1,653.

A. $1{,}653 \times \frac{1}{4}$ B. 1,653 x 4

C. 1,653 x 13 D. $1{,}653 \times \frac{1}{2}$

E. $1{,}653 \times 1\frac{1}{2}$

MAFS.5.NF.2.5b

5. Logan multiplied 54,216 by a number. The product was less than 54,216. Select all the numbers that Logan could have multiplied.

A. $\frac{7}{12}$ B. $\frac{4}{4}$

C. 3 D. $\frac{1}{2}$

E. $1\frac{1}{4}$ F. $\frac{8}{4}$

Name: _____

Score: ____/5

Percentage: ____%

MAFS.5.NF.2.5a

1. How does the product of 1/2 x 6/5 compare to the product of 1/2 x 5/6?

A. The product of 1/2 x 6/5 is greater than the product of 1/2 x 5/6.
B. The product of 1/2 x 6/5 is less than the product of 1/2 x 5/6.
C. The product of 1/2 x 5/6 is equal to the product of 1/2 x 6/5.
D. The product of 1/2 x 5/6 is greater than the product of 1/2 x 6/5.

MAFS.5.NF.2.5a

2. Two newspapers are comparing sales for last year.

- The Post sold 34,859 copies.
- The Tribune sold one–and–a–half times as many copies as the Post.

Which statement compares the numbers of newspapers the Tribune sold?

A. $34{,}859 \times \frac{1}{2}$ B. $34{,}859 \div \frac{1}{2}$

C. $34{,}859 \times 1\frac{1}{2}$ D. $34{,}859 \div 1\frac{1}{2}$

MAFS.5.NF.2.5a

3. Carmen multiplies $1\frac{1}{4}$ by a fraction less than 1.

Which statement is true?

A. The product will be equal to $1\frac{1}{4}$.

B. The product will be greater than $1\frac{1}{4}$.

C. The product will be less than $1\frac{1}{4}$.

MAFS.5.NF.2.5b

4. Select all the expressions that have a value less than 1,653.

A. $1{,}653 \times \frac{1}{4}$ B. 1,653 x 4

C. 1,653 x 13 D. $1{,}653 \times \frac{1}{2}$

E. $1{,}653 \times 1\frac{1}{2}$

MAFS.5.NF.2.5b

5. Logan multiplied 54,216 by a number. The product was greater than 54,216. Select all the numbers that Logan could have multiplied.

A. $\frac{7}{12}$ B. $\frac{4}{4}$

C. 3 D. $\frac{1}{2}$

E. $1\frac{1}{4}$ F. $\frac{8}{4}$

Name: _____

Score: ____/5

Percentage: ____%