

MI1

Choose the answer that makes this statement true.

The product of $\frac{1}{3} \times \frac{4}{5}$ is ...

a) greater than $\frac{1}{3}$

b) less than $\frac{1}{3}$

Explain your answer.

MI2

Choose the answer that makes this statement true.

The product of $3 \times \frac{5}{4}$ is...

- a) greater than 3
- b) less than 3

Explain your answer.

MI3

Is the product of $16 \times \frac{5}{8}$ **greater** than 16 or **less** than 16?

Explain your answer.

MI4

Stephanie and Paige are discussing the answer to $3\frac{2}{7} \times \frac{5}{9}$.

Stephanie said that the answer is greater than $3\frac{2}{7}$.

Paige said the answer is less than $3\frac{2}{7}$.

Who is correct?

Explain your answer.

MI5

Is the product of $2\frac{1}{2} \times 2\frac{2}{5}$ **greater** than 5 or **less** than 5?

Explain your answer.

MI6

Choose the answer that makes this statement true.

The product of $1\frac{1}{2}$ x $2\frac{5}{6}$ is closest to...

a) $2\frac{5}{8}$

b) 5

c) 6

d) $\frac{30}{24}$

Explain your answer.

MI7

Choose the answer that makes this statement true.

The product of $\frac{2}{5} \times \frac{5}{8}$ is closest to...

- a) 0
- b) 1
- c) 10
- d) 40

Explain your answer.

MI8

Choose the answer that makes this statement true.

The product of $\frac{3}{10} \times 12$ is closest to...

- a) 1
- b) 4
- c) 10
- d) 36

Explain your answer.

MI9

Place each expression in the correct box.

$$\frac{11}{6} \times \frac{2}{3}$$

$$\frac{2}{3} \times \frac{9}{10}$$

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

Less than $\frac{2}{3}$	Equal to $\frac{2}{3}$	Greater than $\frac{2}{3}$

Explain your answers.

MI10

Place each expression in the correct box.

$$\frac{2}{3} \times 12$$

$$12 \times \frac{6}{6}$$

$$12 \times \frac{6}{5}$$

Less than 12	Equal to 12	Greater than 12

Explain your answers.

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MI11

Make each statement true using the greater than (>), less than (<), or equal to (=) sign.

$$A) \quad \left(476 \times \frac{3}{3}\right) \square \left(476 \times \frac{1}{3}\right)$$

Explain your answer

$$B) \quad \left(476 \times \frac{5}{3}\right) \square \left(476 \times \frac{2}{3}\right)$$

Explain your answer

MI12

Make each statement true using the greater than (>), less than (<), or equal to (=) sign.

A) $\left(\frac{4}{4} \times 125\right) \square \left(125 \times \frac{4}{3}\right)$

Explain your answer

B) $\left(125 \times \frac{2}{5}\right) \square \left(125 \times \frac{6}{5}\right)$

Explain your answer

MI13

Determine whether each statement is true or false.

Mark the appropriate box in the table. Then, explain your reasoning.

	True	False
1) $\left(250 \times \frac{1}{5}\right)$ is less than 250.		
Explain your reasoning.		
2) $\left(250 \times \frac{1}{5}\right)$ is greater than $\left(250 \times \frac{6}{5}\right)$.		
Explain your reasoning.		

MI14

Determine whether each statement is true or false.

Mark the appropriate box in the table. Then, explain your reasoning.

	True	False
1) $\left(325 \times \frac{3}{4}\right)$ is less than 325.		
Explain your reasoning.		
2) $\left(325 \times \frac{3}{4}\right)$ is greater than $\left(325 \times \frac{6}{5}\right)$.		
Explain your reasoning.		

MI15

Select Yes or No to indicate whether each fraction can be placed in the box to make the statement below true.

$$\frac{2}{5} \times \square < \frac{2}{5}$$

	Yes	No	Explain your answer
$\frac{3}{4}$			
$\frac{4}{3}$			
$\frac{3}{3}$			

MI16

Select Yes or No to indicate whether each fraction can be placed in the box to make the statement below true.

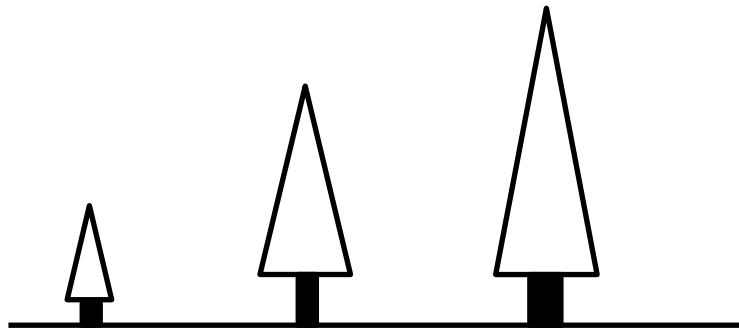
$$\frac{1}{8} \times \square < \frac{1}{8}$$

	Yes	No	Explain your answer
$\frac{9}{4}$			
$\frac{4}{9}$			
$\frac{9}{9}$			

MI17

Anna has a tree in her yard. Joseph has a tree that is $1\frac{1}{3}$ times as tall as Anna's tree. Helen has a tree that is $\frac{1}{2}$ as tall as Anna's tree.

Label each of the trees below to tell which tree belongs to which person.



Explain your choices.

MI18

Three friends each bought a box of chocolates.

Hope's box of chocolates is $\frac{3}{4}$ the length of June's box of chocolates. Erika's box of chocolates is $1\frac{3}{4}$ times the length of Hope's box of chocolates.

Label each box of chocolates with the owner's name.



Explain your choices.

MI19

Place each expression in the correct box.

$$\frac{2}{3} \times \frac{1}{8}$$

$$\frac{2}{3} \times 2\frac{1}{9}$$

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

Less than $\frac{2}{3}$	Equal to $\frac{2}{3}$	Greater than $\frac{2}{3}$

Explain your answers.

MI20

Place each expression in the correct box.

$$\frac{11}{6} \times 12$$

$$12 \times \frac{2}{5}$$

$$12 \times \frac{4}{4}$$

Less than 12	Equal to 12	Greater than 12

Explain your answers.

MI21

Determine whether each statement is true or false.

Mark the appropriate box in the table. Then, explain your reasoning.

	True	False
1) $\left(250 \times \frac{1}{5}\right)$ is greater than $\left(250 \times \frac{3}{5}\right)$.		
Explain your reasoning.		
2) $\left(250 \times \frac{1}{5}\right)$ is less than $\left(125 \times \frac{1}{5}\right)$.		
Explain your reasoning.		

MI22

Determine whether each statement is true or false.

Mark the appropriate box in the table. Then, explain your reasoning.

	True	False
1) $\left(325 \times \frac{3}{4}\right)$ is less than $\left(250 \times \frac{3}{4}\right)$.		
Explain your reasoning.		
2) $\left(325 \times \frac{3}{4}\right)$ is greater than $\left(370 \times \frac{3}{4}\right)$.		
Explain your reasoning.		