

MATH 7

Write your
questions here!

MULTIPLY FRACTIONS

$$\frac{1}{2} \cdot \frac{7}{8}$$

$$\frac{3}{5} \cdot \frac{3}{4}$$

$$\left(\frac{2}{3}\right)\left(\frac{5}{2}\right)$$

$$\left(\frac{2}{7}\right)\left(-\frac{3}{5}\right)$$

MULTIPLY AN INTEGER AND A FRACTION

$$3 \cdot \frac{4}{5}$$

$$6 \cdot \frac{2}{3}$$

$$\frac{3}{4}(-2)$$



DIVIDE FRACTIONS

$$\frac{3}{4} \div \frac{7}{5}$$

$$\frac{1}{5} \div \left(\frac{3}{10}\right)$$

$$\left(-\frac{2}{3}\right) \div \left(-\frac{4}{5}\right)$$

DIVIDE AN INTEGER AND A FRACTION

$$3 \div \frac{4}{9}$$

$$6 \div \frac{3}{7}$$

$$\frac{5}{8} \div (-2)$$

SUMMARY:Now,
summarize
your notes
here!

Multiply. Reduce to simplest form if possible.

1. $\frac{3}{5} \cdot \frac{4}{3} =$

2. $\left(\frac{3}{5}\right)\left(-\frac{1}{4}\right) =$

3. $4 \cdot \frac{2}{3} =$

Divide. Reduce to simplest form if possible.

4. $\frac{3}{5} \div \frac{4}{3} =$

5. $\left(\frac{3}{5}\right) \div \left(-\frac{1}{4}\right) =$

6. $-3 \div \frac{4}{3} =$

Perform the indicated operation. Reduce to simplest form if possible.

7. $\frac{2}{5} \cdot \frac{5}{6} =$

8. $\left(-\frac{2}{5}\right)\left(-\frac{3}{7}\right) =$

9. $\frac{3}{4} \div \frac{5}{8} =$

10. $\left(-\frac{2}{5}\right) \div \left(\frac{7}{9}\right) =$

11. $\left(\frac{3}{4}\right)\left(-\frac{1}{4}\right) =$

12. $\frac{3}{8} \cdot 5 =$

13. $\frac{1}{2} \div \frac{4}{5} =$

14. $6 \div \left(-\frac{1}{4}\right) =$

15. $\frac{4}{5} \cdot \frac{2}{3} =$

16. $6 \cdot \left(-\frac{4}{3}\right) =$

17. $\left(-\frac{7}{8}\right) \div \left(-\frac{5}{4}\right) =$

18. $(-4)\left(\frac{4}{7}\right) =$

Perform the indicated operations. Reduce to simplest form if possible.

19. $\frac{3}{5} \cdot \frac{4}{3} \cdot \frac{4}{3} =$

20. $\left(\frac{3}{5}\right)\left(-\frac{1}{4}\right)(3) =$

21. $\frac{1}{2}(8)(5) =$

Write a multiplication expression for each situation. Answer the question.

22. Mr. Brust loves $\frac{1}{4}$ pound burgers from McDonalds. He eats 6 of these burgers for dinner. How much burger did he eat?

Expression:

Answer:

23. The temperature increased $\frac{4}{5}$ of a degree per hour for six hours. How many degrees did the temperature raise after six hours?

Expression:

Answer:

24. Jim was deep sea diving last week. He descends $\frac{3}{4}$ of a meter every minute. How many meters will he descend in 10 minutes?

Expression:

Answer:

Write a division expression for each situation. Answer the question.

25. Mr. Brust wants to share his $\frac{1}{4}$ burger with 2 of his kids. He cuts the burger into 3 equal parts. How much burger does each person get?

Expression:

Answer:

26. The temperature fell $\frac{3}{4}$ of a degree over $\frac{2}{3}$ of an hour. What was the average change in temperature per hour?

Expression:

Answer:

27. Max lost 24 pounds in $\frac{4}{5}$ of a month on his new weight-loss plan. What was his average change in weight per month?

Expression:

Answer:

1. Perform the indicated operation.

$$\frac{6}{7} \div \frac{5}{2} =$$

2. Perform the indicated operation.

$$(-4) \left(\frac{3}{5} \right) =$$

3. Decide whether the following expressions are equal. Support your answer!

A) $\frac{7}{8} \cdot \frac{1}{3} = \frac{7}{6} \cdot \frac{1}{4}$

B) $6 \cdot \frac{1}{8} = \frac{2}{2} \div \frac{4}{3}$

C) $\frac{1}{2} \div 4 = \frac{1}{3} \cdot 6$

4. Fill in the question mark with an integer to make following expressions equal. Support your answer!

A) $\frac{4}{9} \cdot \frac{?}{3} = \frac{16}{27}$

B) $5 \div \left(\frac{3}{8} \right) = \frac{?}{3}$

C) $\left(-\frac{5}{?} \right) \div \left(\frac{7}{4} \right) = -\frac{20}{21}$

EXIT TICKET –

SPRINT ROUND!!!! How fast are you???

Go to Deltamath.com for some speed rounds. Once finished, show Mr. Brust and he will sign off below.

GOOD LUCK!!!