

DI1

$4 \div \frac{1}{4}$ is closest to?

- A. 10
- B. 1
- C. 0
- D. 15

Show your work.

DI2

$\frac{1}{2} \div \frac{1}{4}$ is closest to?

A. $\frac{1}{8}$

B. 0

C. 1

D. 2

Show your work.

DI3

$\frac{2}{3} \div 2$ is closest to?

A. $\frac{1}{2}$

B. 0

C. 1

D. 6

Show your work.

DI4 (Pilot)

Determine whether each statement is true or false.

Mark the appropriate box in the table. Explain your reasoning.

	True	False
A) $\left(15 \div \frac{1}{3}\right)$ is greater than $\left(15 \div \frac{1}{4}\right)$.		
Explain your reasoning.		
B) $\left(15 \div \frac{1}{4}\right)$ is greater than $\left(15 \times \frac{1}{4}\right)$.		
Explain your reasoning.		

DI5

Determine whether each statement is true or false.

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

	True	False
A) The quotient of $\left(25 \div \frac{3}{4}\right)$ is less than $\left(250 \div \frac{3}{4}\right)$.		
Explain your reasoning.		
B) The quotient of $\left(25 \div \frac{3}{4}\right)$ is greater than $\left(25 \times \frac{3}{4}\right)$.		
Explain your reasoning.		

DI6

Place each expression in the correct box.

$$\frac{1}{3} \div 8$$

$$\frac{1}{3} \div \frac{9}{9}$$

$$7 \div \frac{1}{3}$$

Less than $\frac{1}{3}$	Equal to $\frac{1}{3}$	Greater than $\frac{1}{3}$

Explain your answers.

DI7

Place each expression in the correct box.

$$\frac{2}{5} \div \frac{1}{8}$$

$$\frac{2}{5} \div 2\frac{1}{9}$$

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

Less than $\frac{2}{5}$	Equal to $\frac{2}{5}$	Greater than $\frac{2}{5}$

Explain your answers.

D18

Circle the problem or problems below that can be solved by using the following expression: $\frac{7}{8} \div 8$.

Explain your thinking.

- a) Allyson has 8 feet of ribbon. Seven-eighths of the ribbon is blue. How many feet of ribbon is blue?
- b) Ella has 8 bags to fill with candy for her birthday party. Ella has $\frac{7}{8}$ of a pound of Swedish fish candies. How much candy was in each bag if she put the same amount of candy into each bag?
- c) Traci bought 8 pounds of fudge. She wants to put them into bags that have $\frac{7}{8}$ of a pound in each bag. How many bags of fudge can she make?

DI9

Circle the problem or problems below that can be solved by using the following expression: $8 \div \frac{2}{3}$.

Explain your thinking.

- a) Susan's mother bought 8 pizzas for a pizza party. Each person at the party ate $\frac{2}{3}$ of a pizza. If the pizza was completely gone, how many people must have been at the party?
- b) Jim bought 8 pounds of candy. Two-thirds of the candy was gummy worms. How many pounds of candy were gummy worms?
- c) Maria bought $\frac{2}{3}$ of a yard of lace at the fabric store. She asked for it to be cut in 8 sections. How long was each section of lace?

DI10

Circle the problem or problems below that can be solved by this equation:

$$\frac{7}{8} \div \frac{1}{4} = n$$

Explain your thinking.

- a) Rich and Bob shared a pizza. Rich ate $\frac{1}{4}$ of the pizza. Bob ate $\frac{7}{8}$ of the remaining pizza. How much pizza did they eat together?
- b) At Andy's school $\frac{7}{8}$ of the students take the bus to school. Of those students who take the bus to school, $\frac{1}{4}$ take the bus home. What fraction of the students in Andy's school take the bus both to and from school?
- c) Ezra had $\frac{7}{8}$ of a pizza. He cut pieces that were each $\frac{1}{4}$ of the pizza. How many equal sized pieces of pizza did he have?

DI11

Determine whether each statement is true or false.

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

	True	False
A) $\left(25 \div \frac{3}{4}\right)$ is less than 25.		
Explain your reasoning.		
B) $\left(25 \div \frac{1}{5}\right)$ is greater than $\left(25 \div \frac{7}{8}\right)$.		
Explain your reasoning.		

DI12

Place each expression in the correct box.

$$8 \div \frac{1}{3}$$

$$\frac{3}{3} \div \frac{1}{3}$$

$$\frac{1}{3} \div \frac{3}{3}$$

Less than $\frac{1}{3}$	Equal to $\frac{1}{3}$	Greater than $\frac{1}{3}$

Explain your answers.