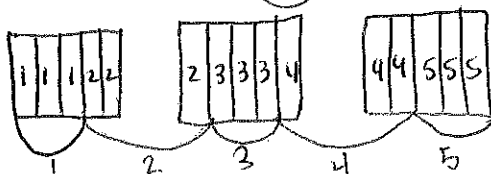


Module 2: Mid-Module Assessment Review

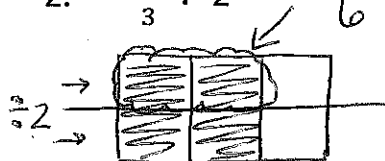
Divide fractions

Draw a model to find the quotient of 1 & 2:

1. $3 \div \frac{3}{5} = 5$



2. $\frac{2}{3} \div 2 = \frac{2}{6} = \frac{1}{3}$



Use the division algorithm to find the quotient of 3 & 4:

3. $2\frac{3}{5} \div 3\frac{1}{2} =$

$$\frac{13}{5} \div \frac{7}{2} = \frac{13}{5} \cdot \frac{2}{7} = \frac{26}{35}$$

4. $5\frac{1}{4} \div \frac{7}{8} =$

$$5\frac{21}{4} \cdot \frac{8^2}{7} = \frac{6}{1} = 6$$

Add decimals

5. $12.3 + 5.78 = 18.08$

$$\begin{array}{r} 12.30 \\ + 5.78 \\ \hline 18.08 \end{array}$$

6. $36 + 8.97 = 44.97$

$$\begin{array}{r} 36.00 \\ + 8.97 \\ \hline 44.97 \end{array}$$

Subtract decimals

7. $35.4 - 4.682 = 30.718$

$$\begin{array}{r} 35.400 \\ - 4.682 \\ \hline 30.718 \end{array}$$

8. $645 - 8.25 = 636.75$

$$\begin{array}{r} 645.00 \\ - 8.25 \\ \hline 636.75 \end{array}$$

Multiply decimals

9. $2.24 \cdot 8.5 = 19.040$

$$\begin{array}{r} 2.24 \\ \times 8.5 \\ \hline 1120 \\ + 17920 \\ \hline 19040 \end{array}$$

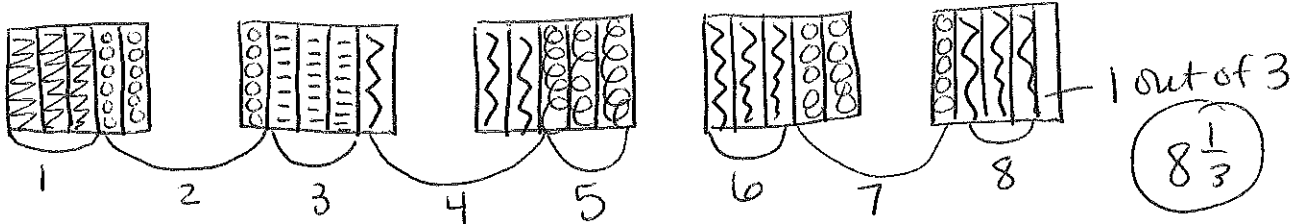
10. $12.4 \cdot 0.35 = 4.34$

$$\begin{array}{r} 12.4 \\ \times 0.35 \\ \hline 620 \\ 3720 \\ \hline 4340 \end{array}$$

Solve with fractions & decimals

11. Erica likes to sell delicious cakes. She decides that each serving should be $\frac{3}{5}$ of a cake. Erica has baked 5 cakes. How many servings does she have to sell?

a. Draw a PICTURE to answer the question. Start with 5 cakes, break 5^{ths}, look for $\frac{3}{5}$

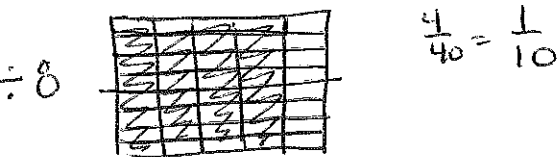


b. Solve the problem by writing a number sentence.

$$5 \div \frac{3}{5} = \frac{5}{1} \cdot \frac{5}{3} = \frac{25}{3} = \left(8 \frac{1}{3}\right) \text{ servings}$$

12. Joey is having an end of the season basketball party with his basketball team. At one table, eight players are sharing four-fifths of a cake. What equal-size portion of the cake will each of the eight players receive?

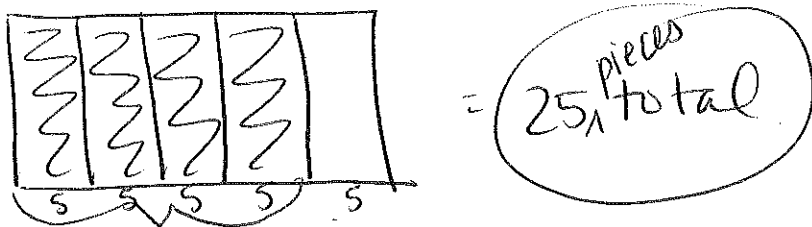
a. Use a model to represent the quotient. Start with $\frac{4}{5}$ cake



b. Write a number sentence to represent the situation.

$$\frac{4}{5} \div 8 = \frac{4}{5} \div \frac{8}{1} = \frac{4}{5} \cdot \frac{1}{8} = \frac{4}{40} = \left(\frac{1}{10}\right) \text{ of a cake}$$

c. If four-fifths of the ~~pizza~~ ^{cake} provided 20 pieces to the table, how many pieces were in the cake when it was full? Support your answer with models.



13. Jake has $3 \frac{3}{5}$ of a pan of brownies. If he splits them among 5 kids evenly, how much of a pan will each kid get? Write a number sentence and solve.

$$3 \frac{3}{5} \div 5 = \frac{18}{5} \div 5 = \left(\frac{18}{25}\right) \text{ of a pan}$$

14. The Student Government is selling drinks and snacks during the 3-on-3 basketball tournament. The group purchased water, juice, and bags of pretzels. They spent \$134.54 on pretzels and \$83 on water. The group also purchased four cases of juice. Each case of juice cost \$12.45. What was the total cost of all the concession items?

Water \$83.00
 Juice 4 cases at \$12.45 per case
 Pretzels \$134.54

$$\begin{array}{r} 134.54 \\ + 83.00 \\ \hline 217.54 \\ + 49.80 \\ \hline 267.34 \end{array}$$

\$267.34
total

$$\begin{array}{r} 12.45 \\ \times 4 \\ \hline 49.80 \end{array}$$

15. LeBron James ran a total of 35.75 miles during his move from Miami to Cleveland. He ran on four different days during the long road trip. The first day he ran 8.6 miles, the second day he jogged a long 12.35 miles, and on the third day he 8.25 miles. How many miles did he run on the fourth day?

$$\begin{array}{r} 8.60 \\ + 12.35 \\ + 8.25 \\ \hline 29.20 \end{array}$$

$$\begin{array}{r} 35.75 \\ - 29.20 \\ \hline 6.55 \end{array}$$

6.55 miles on the fourth day