

1. Draw a model to explain your thinking. Then evaluate. Be sure to circle your answer.

a.  $\frac{3}{8} \times 42 =$

Handwritten work for problem 1a:

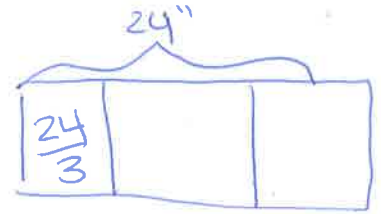
- Method 1:  $42 \times 3 = 126$ ,  $\frac{126}{8} = 15\frac{3}{4}$ . A diagram shows a rectangle divided into 8 equal vertical sections, with a bracket above labeled "42".
- Method 2:  $\frac{3}{8} \times 42 = \frac{3 \times 42}{8} = \frac{126}{8} = 15\frac{3}{4}$ . A diagram shows a rectangle divided into 8 equal vertical sections, with a bracket above labeled "42".
- Method 3:  $42 \div 8 = 5\frac{1}{4}$ ,  $5\frac{1}{4} \times 3 = 15\frac{3}{4}$ . A diagram shows a rectangle divided into 8 equal vertical sections, with a bracket above labeled "42".

b.  $\frac{2}{3}$  of 2 feet = \_\_\_\_\_ inches

①  $\frac{2}{3}$  of  $2\text{ft} =$  \_\_\_\_\_ inch

②  $\frac{2}{3} \times \frac{24}{1} = 16$

16 inches



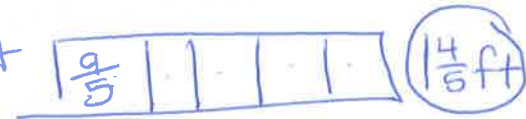
c.  $3\frac{2}{3} \times 21 =$

①  $(3 + \frac{2}{3}) \times 21$     ②  $(3 \times 21) + (\frac{2}{3} \times 21)$     ③  $63 + 14 = 77$

OR  $\frac{11}{3} \times \frac{21}{1} = \frac{11}{3} \times \frac{21}{1} = \frac{77}{1} = 77$

d.  $\frac{1}{5}$  of 3 yards = \_\_\_\_\_ feet

1yd = 3ft  $\frac{1}{5}$  of 9 feet



2. Circle the expression(s) that are equal to  $\frac{2}{7} \times 8$ . Show your work to explain why they're equal.

For those that aren't equal, explain why.

a.  $\frac{2}{1} \times \frac{8}{7} = \frac{16}{7}$

$\frac{2}{7} \times \frac{8}{1} = \frac{16}{7}$

b.  $2 \div (8 \times 7)$

$2 \div 56 = \frac{2}{56}$  Not equal b/c PEMDAS has us do parentheses first

c.  $2 \times 8 \div 7$

$2 \times (8 \div 7) = \frac{2}{1} \times \frac{8}{7} = \frac{16}{7}$

d.  $2 \times 8/7$

$\frac{2}{1} \times \frac{8}{7} = \frac{16}{7}$

3. Write the following as expressions. You do NOT need to solve.

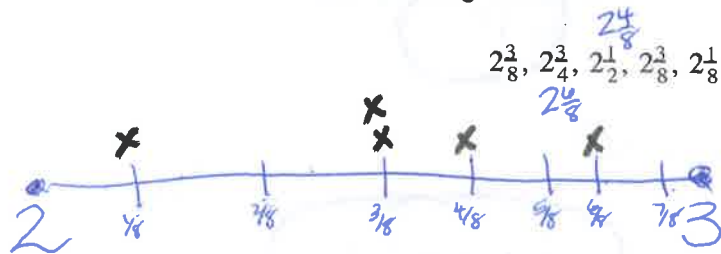
a. One-fourth the sum of 10 and 4

$$\frac{1}{4} \times (10 + 4)$$

b. Two copies of the difference between  $\frac{5}{8}$  and  $\frac{1}{2}$

$$2 \times \left( \frac{5}{8} - \frac{1}{2} \right)$$

4. Draw a line plot that shows the following fractions:



5. Show three ways to write "19 divided by 8."

①  $19 \div 8$

③  $8 \overline{)19}$



④  $\frac{19}{8}$

4. Review word problems from lesson 11 & 12 (Problem sets and HW)