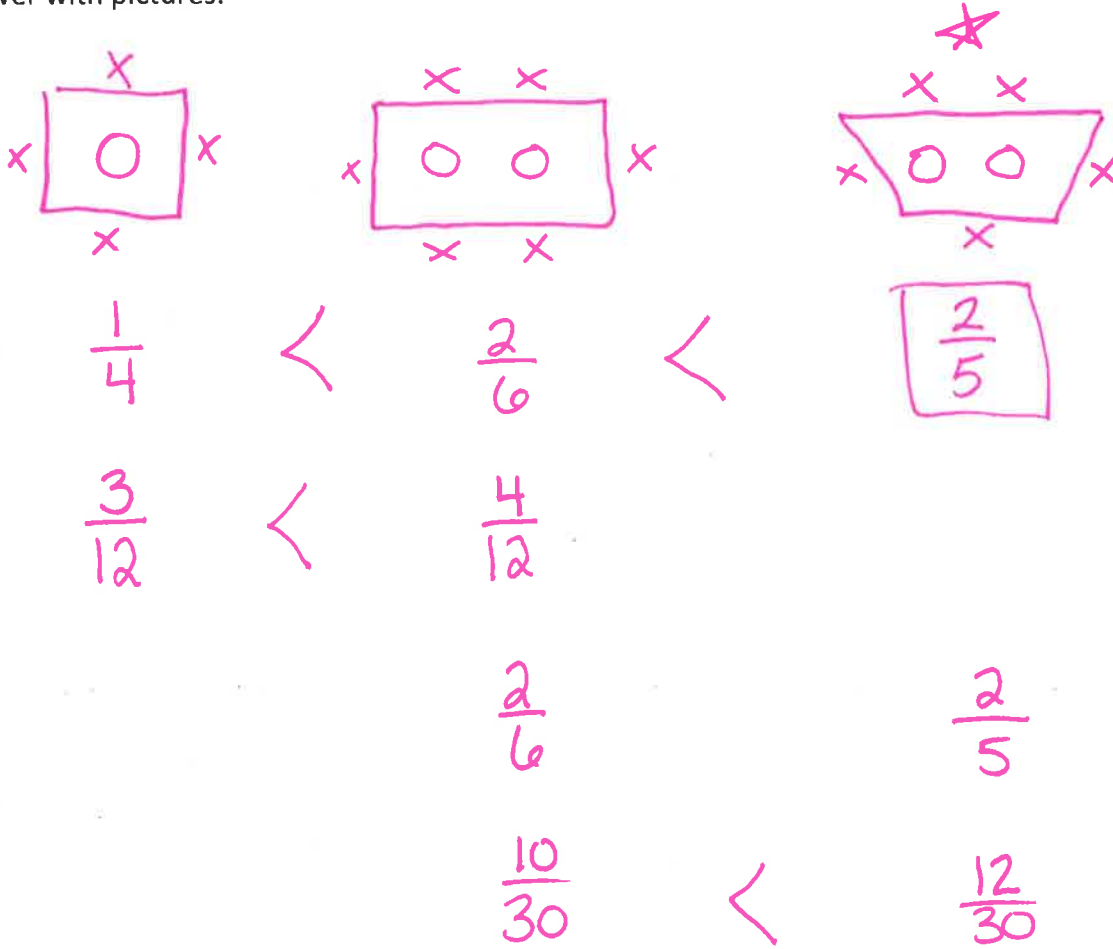


Hudson is choosing a seat in art class. He scans the room and sees a 4-person table with 1 bucket of art supplies, a 6-person table with 2 buckets of supplies, and a 5-person table with 2 buckets of supplies. Which table should Hudson choose if he wants the largest share of art supplies? Support your answer with pictures.



Hudson should sit at the 5^{Person} table with 2 bucket(s).

Read

Draw

Write

M4.L3 ~ Interpret a Fraction as Division

Fluency-

$$1 \div 3 = \frac{1}{3} \quad 1 \div 4 = \frac{1}{4} \quad 2 \div 3 = \frac{2}{3}$$

$$5 \div 2 = \frac{5}{2} = 2\frac{1}{2} \quad 13 \div 5 = \frac{13}{5} = 2\frac{3}{5} \quad 7 \div 6 = \frac{7}{6} = 1\frac{1}{6}$$

$$17 \div 4 = \frac{17}{4} = 4\frac{1}{4} \quad \frac{4}{3} = 4 \div 3 = 1\frac{1}{3} \quad \frac{13}{2} = 13 \div 2 = 6\frac{1}{2}$$

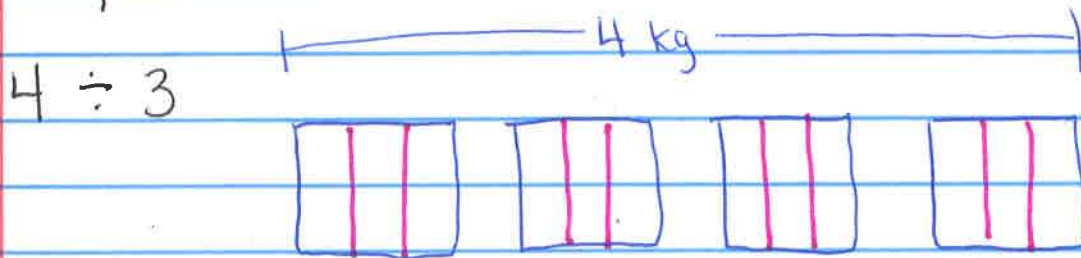
$$\frac{23}{4} = 23 \div 4 = 5\frac{3}{4} \quad \frac{32}{5} = 32 \div 5 = 6\frac{2}{5}$$

$$\frac{1}{10} = 0.1 \quad \frac{2}{10} = 0.2 \quad \frac{3}{10} = 0.3 \quad \frac{7}{10} = 0.7 \quad \frac{5}{10} = 0.5$$

$$0.1 = \frac{1}{10} \quad 0.2 = \frac{2}{10} \quad 0.4 = \frac{4}{10} \quad 0.8 = \frac{8}{10} \quad 0.6 = \frac{6}{10}$$

M4.L3

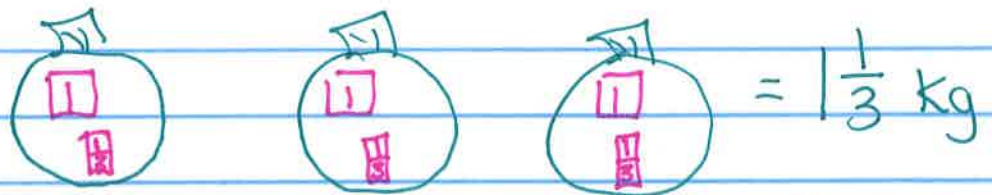
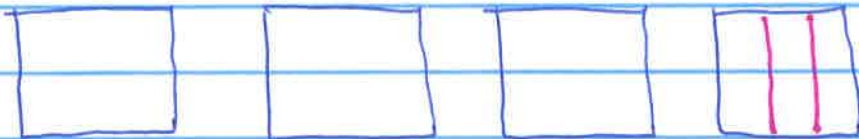
A baker poured 4 kg of oats equally into 3 bags. What is the weight of each bag of oats?



12 thirds $\div 3 = 4$ thirds $\frac{4}{3}$ per bag



$4 \div 3$

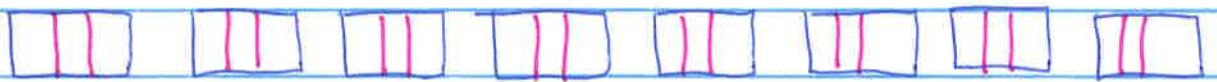


$$\begin{array}{r} 1\frac{1}{3} \\ 3 \overline{) 4} \\ \underline{-3} \\ 1 \end{array}$$

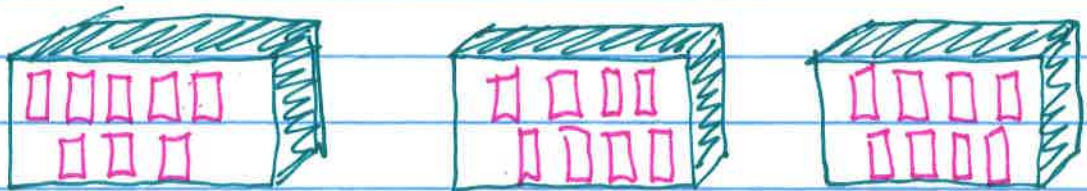
$$\begin{aligned} 3 \times 1\frac{1}{3} &= 1\frac{1}{3} + 1\frac{1}{3} + 1\frac{1}{3} \\ &= 3 + \frac{3}{3} \\ &= 3 + 1 \\ &= 4 \end{aligned}$$

If the baker doubles the number of Kg of oats to be poured equally into 3 bags, what is the weight of each bag of oats?

$$8 \div 3$$

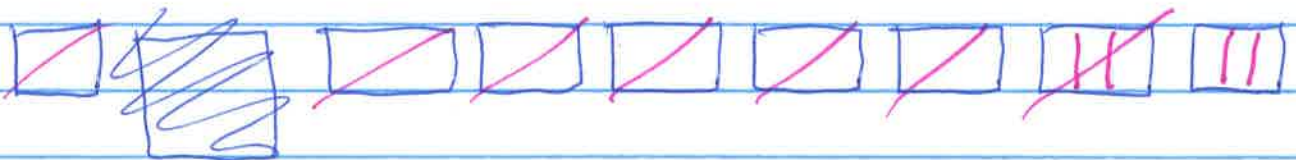
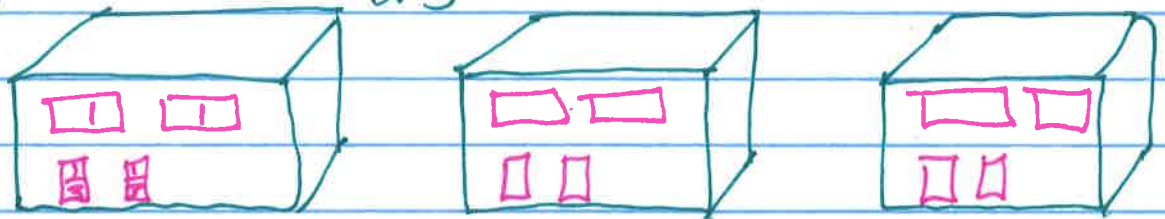


$$24 \text{ thirds} \div 3 = 8 \text{ thirds} = \frac{8}{3}$$



$$8 \div 3 =$$

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



$$\begin{array}{r} 2\frac{2}{3} \\ 3 \overline{) 8} \\ \underline{-6} \\ 2 \end{array}$$

$$\begin{aligned} 3 \times 2\frac{2}{3} &= 2\frac{2}{3} + 2\frac{2}{3} + 2\frac{2}{3} \\ &= 6 + \frac{6}{3} \\ &= 6 + 2 \\ &= 8 \end{aligned}$$

The baker doubles the number of Kg of oats again, and they are poured equally into 3 bags, what is the weight of each bag?

$$16 \div 3$$

$$\begin{array}{r} 5\frac{1}{3} \\ 3 \overline{)16} \\ \underline{-15} \\ 1 \end{array}$$

$$\begin{aligned} 3 \times 5\frac{1}{3} &= 5\frac{1}{3} + 5\frac{1}{3} + 5\frac{1}{3} \\ &= 15 + \frac{3}{3} \\ &= 15 + 1 \\ &= 16 \end{aligned}$$

Name _____

Date _____

1. Fill in the chart. The first one is done for you.

| Division Expression | Unit Forms | Improper Fraction | Mixed Numbers | Standard Algorithm (Write your answer in whole numbers and fractional units. Then check.) |
|-----------------------------|---|-------------------|----------------------------------|---|
| a. $5 \div 4$ | 20 fourths $\div 4$ = 5 fourths | $\frac{5}{4}$ | $1\frac{1}{4}$ | $4 \overline{) 5} \begin{array}{r} 1\frac{1}{4} \\ -4 \\ \hline 1 \end{array}$ <p>Check</p> $4 \times 1\frac{1}{4} = 1\frac{1}{4} + 1\frac{1}{4} + 1\frac{1}{4} + 1\frac{1}{4}$ $= 4 + \frac{4}{4}$ $= 4 + 1$ $= 5$ |
| b. $3 \div 2$ | <u>6</u> halves $\div 2$ = <u>3</u> halves | $\frac{3}{2}$ | $1\frac{1}{2}$ | $2 \overline{) 3} \begin{array}{r} 1\frac{1}{2} \\ -2 \\ \hline 1 \end{array}$ $2 \times 1\frac{1}{2} = 1\frac{1}{2} + 1\frac{1}{2}$ $= 2 + \frac{2}{2}$ $= 2 + 1$ $= 3$ |
| c. <u>6</u> \div <u>4</u> | 24 fourths $\div 4$ = 6 fourths | $\frac{6}{4}$ | $1\frac{2}{4}$ $1\frac{1}{2}$ | $4 \overline{) 6} \begin{array}{r} 1\frac{2}{4} \\ -4 \\ \hline 2 \end{array}$ $\left. \begin{array}{l} 4 \times 1\frac{1}{2} \\ = 1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} \\ = 4 + \frac{4}{2} \\ = 4 + 2 \\ = 6 \end{array} \right\}$ |
| d. $5 \div 2$ | 10 halves $\div 2 =$ 5 halves | $\frac{5}{2}$ | $2\frac{1}{2}$ | $2 \overline{) 5} \begin{array}{r} 2\frac{1}{2} \\ -4 \\ \hline 1 \end{array}$ $2 \times 2\frac{1}{2} = 2\frac{1}{2} + 2\frac{1}{2}$ $= 4 + \frac{2}{2}$ $= 4 + 1$ $= 5$ |