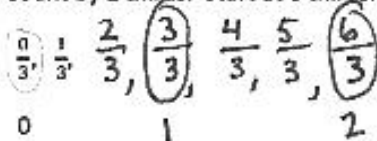


Name Jack

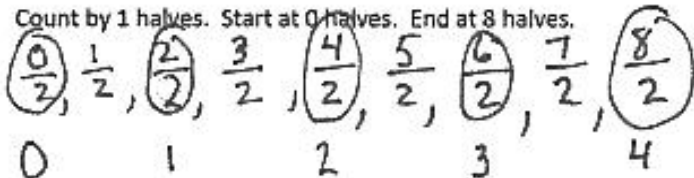
Date _____

1. Circle any fractions that are equivalent to a whole number. Record the whole number below the fraction.

a. Count by 1 thirds. Start at 0 thirds. End at 6 thirds.



b. Count by 1 halves. Start at 0 halves. End at 8 halves.

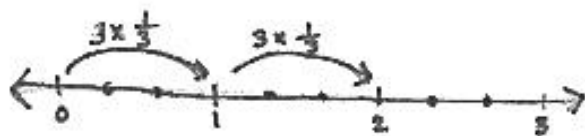


2. Use parentheses to show how to make ones in the following number sentence.

$$\left(\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}\right) + \left(\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}\right) + \left(\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}\right) = 3$$

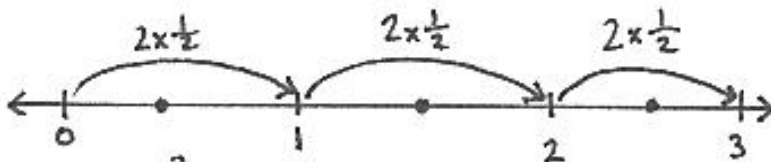
3. Multiply, as shown below. Draw a number line to support your answer.

a. $6 \times \frac{1}{3}$



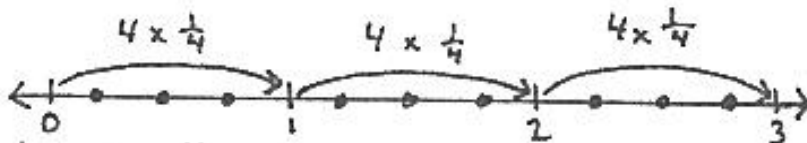
$$6 \times \frac{1}{3} = 2 \times \frac{3}{3} = 2$$

b. $6 \times \frac{1}{2}$



$$6 \times \frac{1}{2} = 3 \times \frac{2}{2} = 3$$

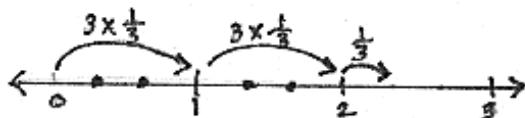
c. $12 \times \frac{1}{4}$



$$12 \times \frac{1}{4} = 3 \times \frac{4}{4} = 3$$

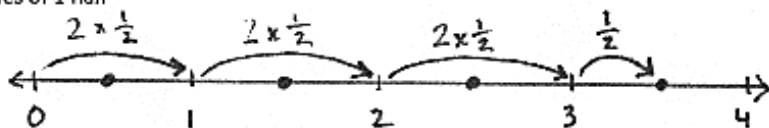
4. Multiply, as shown below. Write the product as a mixed number. Draw a number line to support your answer.

- a. 7 copies of 1 third



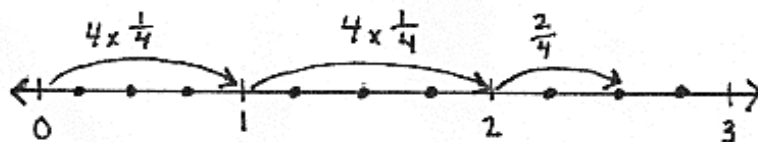
$$7 \times \frac{1}{3} = (2 \times \frac{3}{3}) + \frac{1}{3} = 2 + \frac{1}{3} = 2\frac{1}{3}$$

- b. 7 copies of 1 half



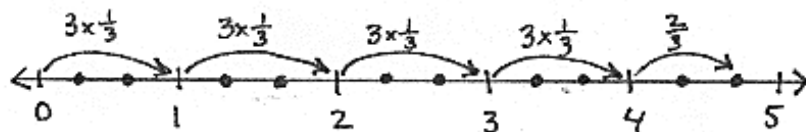
$$7 \times \frac{1}{2} = (3 \times \frac{2}{2}) + \frac{1}{2} = 3 + \frac{1}{2} = 3\frac{1}{2}$$

- c. $10 \times \frac{1}{4}$



$$10 \times \frac{1}{4} = (2 \times \frac{4}{4}) + \frac{2}{4} = 2 + \frac{2}{4} = 2\frac{2}{4}$$

- d. $14 \times \frac{1}{3}$



$$14 \times \frac{1}{3} = (4 \times \frac{3}{3}) + \frac{2}{3} = 4 + \frac{2}{3} = 4\frac{2}{3}$$