

- partition a whole into fractional parts to represent multiplying fractions using an area model.

Example: $\frac{2}{3} \times \frac{3}{4}$

The whole is partitioned into three equal parts. Two of the three parts are shaded to represent $\frac{2}{3}$.

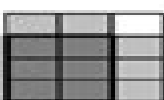


Then the whole is partitioned into four equal parts. Three of the four parts are shaded to represent $\frac{3}{4}$.



The product is the overlapped region.

$$\frac{2}{3} \times \frac{3}{4} = \frac{6}{12}$$

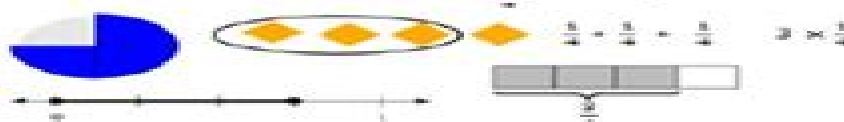


The answer is $\frac{6}{12}$

3rd Quarter



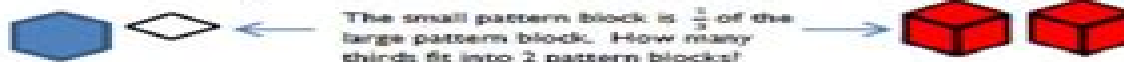
- use a fraction to represent division.
Example: Think about the fraction $\frac{3}{4}$ as $3 \div 4$



- use models to divide a whole number by a unit fraction and to divide a unit fraction by a whole number

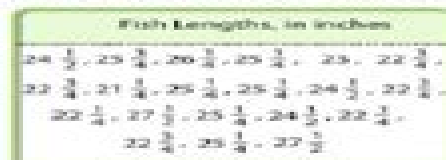
Example: Dr. Smith schedules 2 hours for dentist appointments on Friday.

Each appointment last $\frac{1}{3}$ of an hour. How many appointments can he schedule on Friday?

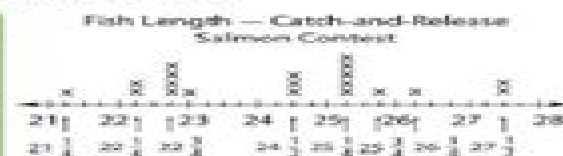


$2 \div \frac{1}{3} = 6$ because 2 hours are being divided into equal groups, each $\frac{1}{3}$ of an hour.

- use a line plot (a graph that shows frequency of data on a number line) to interpret measurement data.



Example:



Mathematically Speaking

C.c. Gaither



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Mathematically Speaking C.C. Gaither, Alma E Cavazos-Gaither, 1998-01-01 For the first time a book has brought together in one easily accessible form the best expressed thoughts that are especially illuminating and pertinent to the discipline of mathematics Mathematically Speaking A Dictionary of Quotations provides profound wise and witty quotes from the most famous to the unknown You may not find all the quoted jewels that exist but you will definitely a great many of them here The extensive author and subject indexes provide you with the perfect tools for locating quotations for practical use or pleasure and you will soon enjoy discovering what others have said on topics ranging from addition to zero This book will be a handy reference for the mathematician or scientific reader and the wider public interested in who has said what on mathematics Economics, Mathematically Speaking Robert C. Bingham, 1972 For students taking a course in principles of economics Presumes some knowledge of college algebra but not calculus Mathematically Speaking C.c. Gaither, 2017-07-13 For the first time a book has brought together in one easily accessible form the best expressed thoughts that are especially illuminating and pertinent to the discipline of mathematics Mathematically Speaking A Dictionary of Quotations provides profound wise and witty quotes from the most famous to the unknown You may not find all the quoted jewels that exist but you will definitely a great many of them here The extensive author and subject indexes provide you with the perfect tools for locating quotations for practical use or pleasure and you will soon enjoy discovering what others have said on topics ranging from addition to zero This book will be a handy reference for the mathematician or scientific reader and the wider public interested in who has said what on mathematics

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