

3.NSO.2.2 - SAMPLE TASKS/ITEMS

A. Owen is building a rectangular tile patio that is 7 tiles wide and 6 tiles long. How many tiles does he need?

B. Multiply by 4 using the doubling strategy. Match the doubling strategy with the product.

4×5	4×6	4×3	4×7	4×4	4×8
2×5 doubled	2×6 doubled	2×3 doubled	2×7 doubled	2×4 doubled	2×8 doubled

24

20

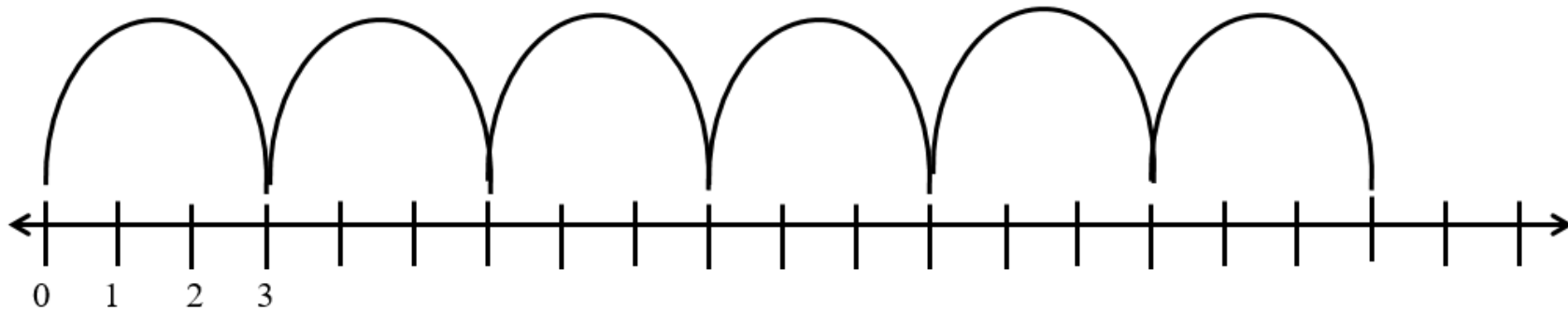
28

16

32

12

C. Emma walks her dog the same number of times every day. Emma decided to calculate the total number of times she walked her dog for the past six days. She used a number line to find the total.



- What is the total number of times that Emma walked her dog during the past six days?
- How many times did Emma walk her dog each day?
- Write an equation that represents the problem that Emma solved using the number line.

6.NSO.2.2 - SAMPLE TASKS/ITEMS

A. Calculate the value of each of the following expressions. Show all of your work and how you found the quotients. Write all final quotients in lowest terms.

1. $\frac{3}{5} \div \frac{5}{8}$

2. $8 \boxtimes \div 4 \frac{1}{5}$

B. Jasmine wants to build a $2 \frac{5}{6}$ meter long garden path paved with square stones that measure $\frac{1}{4}$ meter on each side. There will be no spaces between the stones. Explain how the equation could be used to answer the following question: How many stones are needed for the path?

$$\frac{1}{4} \times \boxed{} = 2 \frac{5}{6}$$

C. Samantha needs to harvest $\frac{3}{5}$ of an acre full of corn. She harvests $\frac{2}{3}$ of the field. What fraction of the acre did she harvest? Estimate first and then solve. How much of the acre does she still need to harvest?