

Lesson 14

1 Solve the word problems:

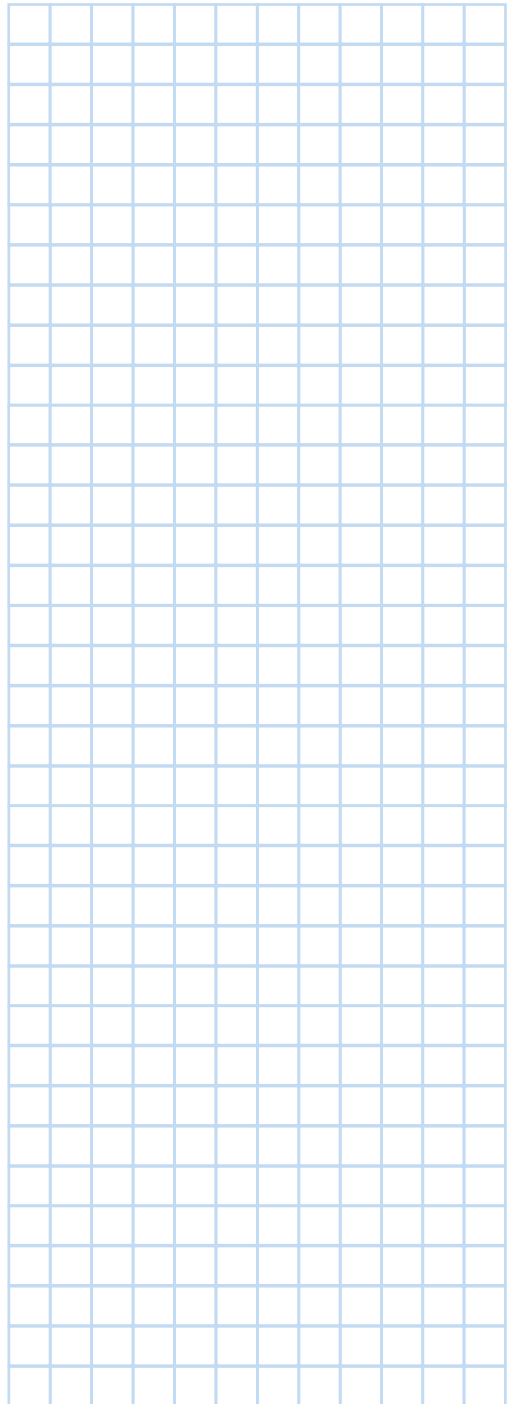
- a) A tourist walked a kilometers in 3 days. He walked b kilometers the first day, and c kilometers the second day. How many kilometers did the tourist walk the third day?

- b) Martha gathered m strawberries in a garden, and Mike gathered n strawberries. Among them, k strawberries were rotten. How many good strawberries did Martha and Mike gather?

- c) There were a passengers on a bus. At a bus stop, x passengers got off the bus and y passengers got onto the bus. How many passengers are on the bus now?

- d) A tailor needs x meters of fabric to make a dress and y meters of fabric to make a skirt. How much fabric does the tailor need to make 2 dresses and 3 skirts?

- e) There are d pencils in a box. In another box there are 5 pencils less. In the third box there are twice as many pencils as in the second box. How many pencils are in all three boxes?



Multi-Digit Multiplication

$$a \times (b + c) = a \times b + a \times c$$

$$37 \times 24 = 37 \times 20 + 37 \times 4$$

$$\begin{array}{r} 37 \\ \times 24 \\ \hline 148 \\ + 74t \\ \hline 888 \end{array} = \begin{array}{r} 12 \\ 37 \\ \times 4 \\ \hline 148 \end{array} + \begin{array}{r} 1 \\ 37 \\ \times 20 \\ \hline 74t \end{array}$$

2 Multiply:

$$\begin{array}{r} 43 \\ \times 38 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 87 \\ \hline \end{array}$$

3 There was a burglary in the Cat Island Cheese Factory again on Monday. Three suspects: PY, LJ, and JTM were caught and questioned.

PY: *LJ did not steal.*

LJ: *That is true.*

JTM: *PY is innocent.*

Later on the police found out the thief did tell the truth. However, at least one of the brothers was lying. Who was the thief this time?



4

Calculate:

$54,000 \div 1000 =$

$2700 \div 10 =$

$860,000 \div 100 =$

$420 \times 100 =$

$5,400 \times 100 =$

$28 \times 1000 =$

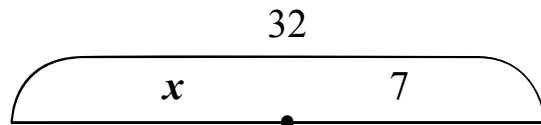
$3400 \div 100 =$

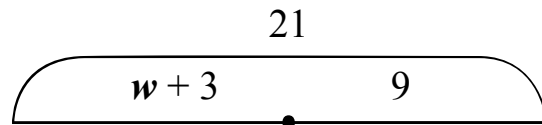
$290,000 \div 1000 =$

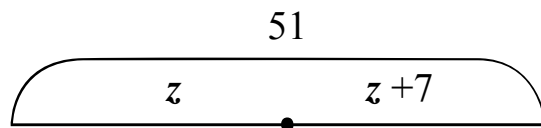
$34,000 \div 1000 =$

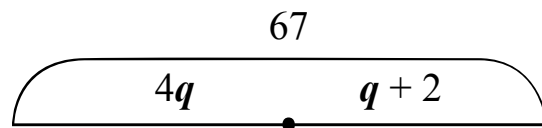
5

Write the equations according to the drawings:









Dividing a Sum

6

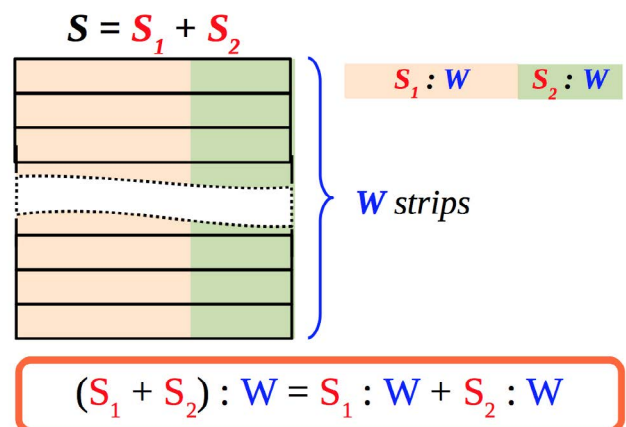
Open parenthesis and find the answer when possible:

$(a + 6) \div 3 =$ _____

$(40 + 64) \div 8 =$ _____

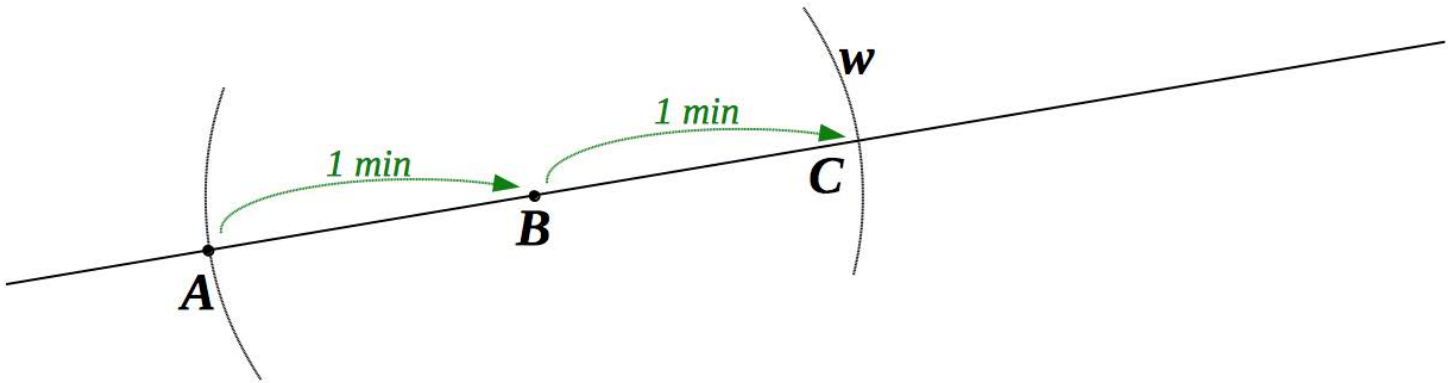
$(7x + 14) \div 7 =$ _____

$(70 + 5) \div 5 =$ _____



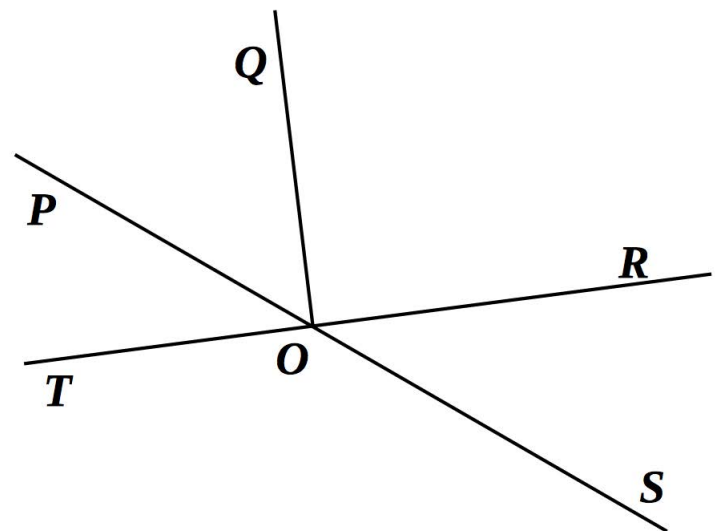
7 A bug is crawling along a straight line. In one minute it moves from point **A** to point **B**. Next minute it moves from point **B** to point **C**. Use compass to find its position at the end of the:

- a) third minute (point **D**);
- b) fourth minute (point **E**);
- c) fifth minute (point **F**).



8 Find all pairs of supplementary angles on the drawing and write them down.

Remember, you may not need all lines or may need some extra lines:



Additional Problems

- 9 Imagine that each shape was cut into two parts according to the drawings. For each shape finish the sketch of each of the two parts:

