

Section 2 Problem Solving Grade 4

TEKS 14A Identify the mathematics in everyday situations

An office supply store sells pens in boxes of 10 for \$4.54 and pencils in boxes of 24 for \$1.31. A school secretary plans to order 9 boxes of pens and some pencils. What question needs to be answered in order to find how many boxes of pencils she will order?

- A What is the total number of pencils she will order?
- B How much does each pencil cost?
- C How much will the office supply store charge for shipping?
- D How many boxes of pens will she order?

Una papelería vende plumas en cajas de 10 por \$4.54 y lápices en cajas de 24 por \$1.31. Una secretaria escolar piensa pedir 9 cajas de plumas y algunos lápices. ¿Qué pregunta se necesita contestar para encontrar cuántas cajas de lápices pedirá?

- A ¿Cuál es el número total de lápices que pedirá?
- B ¿Cuánto cuesta cada lápiz?
- C ¿Cuánto cobrará la papelería por los gastos de envío?
- D ¿Cuántas cajas de plumas pedirá?

TEKS 14B Solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness

Sergio bought tickets at the school festival that were priced at 2 tickets for 30¢. What was the total cost of 5 tickets?

- A 25¢
- B 60¢
- C 70¢
- D 75¢

Sergio compró boletos en la fiesta escolar a un precio de 30¢ por 2 boletos. ¿Cuál fue el costo total de 5 boletos?

- A 25¢
- B 60¢
- C 70¢
- D 75¢

TEKS 14C Select or develop an appropriate problem-solving plan or strategy, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem

A farmer raises ducks, geese, pigs, and cows. There are twice as many ducks as geese. There are 4 more geese than pigs. There are 5 fewer pigs than cows. There are 12 cows. How many ducks does the farmer have?

- F 6
- G 13
- H 22
- J 42

Un granjero cría patos, gansos, cerdos y vacas. Hay el doble de patos que de gansos. Hay 4 gansos más que cerdos. Hay 5 cerdos menos que vacas. Hay 12 vacas. ¿Cuántos patos tiene el granjero?

- F 6
- G 13
- H 22
- J 42

TEKS 15B Relate informal language to mathematical language and symbols

A restaurant manager bought 9 kilograms of steaks for \$5 per kilogram and 7 kilograms of catfish for \$2 per kilogram. Which group of number sentences can be used to find the total amount of money the manager spent?

F $9 + 5 = 14$
 $7 + 2 = 9$
 $14 \times 9 = \square$

G $9 \times 5 = 45$
 $7 \times 2 = 14$
 $45 + 14 = \square$

H $9 + 5 = 14$
 $7 + 2 = 9$
 $14 + 9 = \square$

J $9 \times 5 = 45$
 $7 \times 2 = 14$
 $45 \times 14 = \square$

El gerente de un restaurante compró 9 kilogramos de filete a \$5 el kilogramo y 7 kilogramos de pescado a \$2 el kilogramo. ¿Qué grupo de oraciones numéricas se puede usar para saber la cantidad total de dinero que el gerente gastó?

F $9 + 5 = 14$
 $7 + 2 = 9$
 $14 \times 9 = \square$

G $9 \times 5 = 45$
 $7 \times 2 = 14$
 $45 + 14 = \square$

H $9 + 5 = 14$
 $7 + 2 = 9$
 $14 + 9 = \square$

J $9 \times 5 = 45$
 $7 \times 2 = 14$
 $45 \times 14 = \square$

TEKS 16A Make generalizations from patterns or sets of examples and nonexamples

Which of the following describes the rule for this pattern?

72, 70, 76, 74, 80, 78, 84

- A Add 2, subtract 6
- B Add 6, subtract 2
- C Subtract 2, add 6
- D Subtract 6, add 2

¿Cuál de las siguientes respuestas describe la regla de este patrón?

72, 70, 76, 74, 80, 78, 84

- A Sumar 2 y luego restar 6
- B Sumar 6 y luego restar 2
- C Restar 2 y luego sumar 6
- D Restar 6 y luego sumar 2