4   Word problems

Solve each word problem. Show your thinking.

a. What number am I?
  - I have 6 × 10,000.
  - I have 4 tens and 16 hundreds.
  - I have three hundred thousands.

b. Olivia is using the digits 1, 0, 6, 4, 5, and 7 to write different six-digit numbers. How many numbers could she write using each digit once only in any number?

c. Carmela started with a number and added 10,000 then added 2 hundreds. She then subtracted 100,000 and then subtracted 3 tens. Her new number is now 114,660. What was her starting number?

d. Michael swam 26 laps at training on Wednesday. Camila swam double the amount of laps as Michael did. The pool is 25 m in length. How many laps did Camila swim?

e. Oliver bought 8 bags of marbles. There were 6 green and 6 blue in each bag. How many marbles did he buy in total?

f. Alexis had to write 4 pairs of numbers that each multiply to make a product of 2,800. She wrote 40 × 70, 140 × 20, 700 × 4, and 200 × 14. Was she correct?

070916

4 Word problems

Solve each word problem. Show your thinking.

a. What number am I?
- I have 6 × 10,000.
- I have 4 tens and 16 hundreds.
- I have three hundred thousands.

361,640

b. Olivia is using the digits 1, 0, 6, 4, 5, and 7 to write different six-digit numbers. How many numbers could she write using each digit once only in any number?

600

c. Carmela started with a number and added 10,000 then added 2 hundreds. She then subtracted 100,000 and then subtracted 3 tens. Her new number is now 114,660. What was her starting number?

204,490

d. Michael swam 26 laps at training on Wednesday. Camila swam double the amount of laps as Michael did. The pool is 25 m in length. How many laps did Camila swim?

52 laps

e. Oliver bought 8 bags of marbles. There were 6 green and 6 blue in each bag. How many marbles did he buy in total?

96 marbles

f. Alexis had to write 4 pairs of numbers that each multiply to make a product of 2,800. She wrote 40 × 70, 140 × 20, 700 × 4, and 200 × 14. Was she correct?

Yes

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