

Divide by 100

1. Choose the correct numbers to complete the calculations below.

A. $\div$ 100 = 72

B. 13 = $\div$ 100

7,400

7,200

1,400

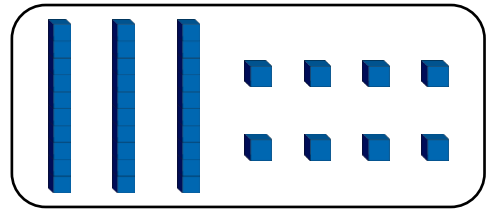
130

1,300

720

VF

4. A number divided by 100 equals:

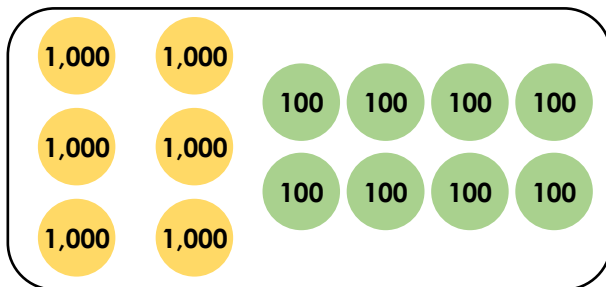


Eugene thinks the calculation must be:
 $3,800 \div 100 = 38$

Is he correct? Prove it.

R

2. Divide the number represented below by 100.



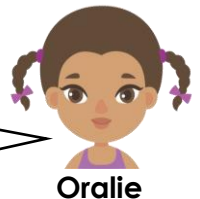
Write the number sentence.

$\div$ =

VF

5. Two friends are discussing divisions.

Both $9,100 \div 100$ and $790 \div 10$ give answers that have 9 tens.



Oralie



Chad

Both $820 \div 10$ and $2,600 \div 100$ give answers with an even number of tens and ones.

Who do you agree with? Explain your reasoning.

R

3. Which calculation is incorrect?

A.

$410 \div 10 = 4,100 \div 100 = 4 \text{ tens and } 1 \text{ one}$

B.

$5,900 \div 10 = 5,900 \div 100 = 5 \text{ hundreds and } 9 \text{ tens}$

C.

$8,300 \div 100 = 830 \div 10 = 8 \text{ tens and } 3 \text{ ones}$

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6. Hallie is thinking of a 4-digit number. She says,

When I divide my number by 100, the answer has a digit sum of 9.



Hallie

What number could Hallie have started with?

Find three possibilities.

PS

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1. $A = 7,200$ and $B = 1,300$
2. $6,800 \div 100 = 68$
3. B as $5,900 \div 10 = 590$ and $5,900 \div 100 = 59$
4. Eugene is correct because the representation shows 3 tens and 8 ones which equals 38 and $3,800 \div 100 = 38$.
5. Chad is correct because $820 \div 10 = 82$ and $2,600 \div 100 = 26$. 82 and 26 are both made up of even digits only. Oralie is incorrect as even though $9,100 \div 100 = 91$ has 9 tens, $790 \div 10 = 79$ which has 7 tens and 9 ones.
6. Various answers, for example: Hallie could have started with 2,700; 6,300 or 8,100.