# Divide Decimals by Integers

## 1a. True or false?

$$6.5 \div 5 = 1.5$$
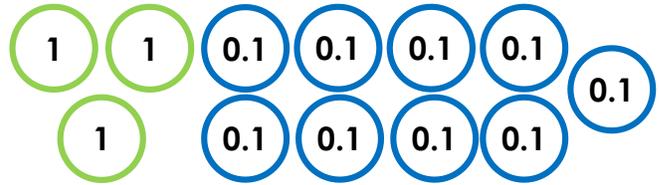


Explain your answer.

⭐ R

## 2a. Calculate the missing digits.

A.

$$4 \overline{)\ 9 \cdot \_\_\_}$$ quotient $2 \cdot 3$

B.

$$3 \overline{)\ \_\_ \cdot 1}$$ quotient $2 \cdot 7$

⭐ PS

## 3a. Jaiden says,

I think that the answers to 2.4 ÷ 2 and 9.6 ÷ 3 are the same

| O | • | t |
|---|---|---|
|   |   |   |
|   |   |   |

Is he correct? Explain how you know.

⭐ R

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# Divide Decimals by Integers

## 1b. True or false?

$$3.9 \div 3 = 3.3$$



Explain your answer.

⭐ R

## 2b. Calculate the missing digits.

A.

$$2 \overline{)\ \_\_ \cdot 2}$$ quotient $3 \cdot 6$

B.

$$5 \overline{)\ 9 \cdot \_\_\_}$$ quotient $1 \cdot 9$

⭐ PS

## 3b. Millie says,

I think that 8.8 ÷ 2 is greater than 4.4 ÷ 4

| O | • | t |
|---|---|---|
|   |   |   |
|   |   |   |

Is she correct? Explain how you know.

⭐ R

Reasoning and Problem Solving – Divide Decimals by Integers – Year 6 Developing

**4a.** True or false?

$$6.84 \div 4 = 1.73$$

| 1 | 1 | 0.1 | 0.1 | | |
| 1 | 1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.01 |
| 1 | 1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.01 |
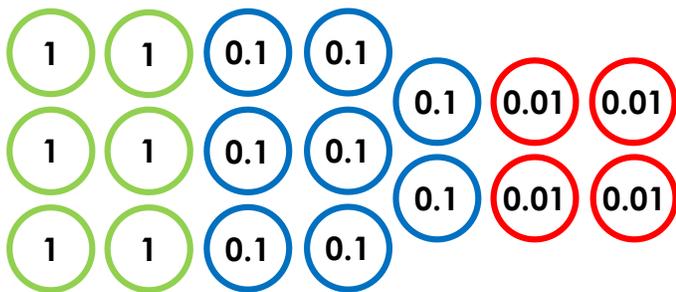
Explain your answer.

E      R

**4b.** True or false?

$$8.19 \div 9 = 0.81$$

| 1 | 1 | 1 | 0.1 | 0.01 | 0.01 | 0.01 |
| 1 | 1 | 1 | | 0.01 | 0.01 | 0.01 |
| 1 | 1 | | | 0.01 | 0.01 | 0.01 |
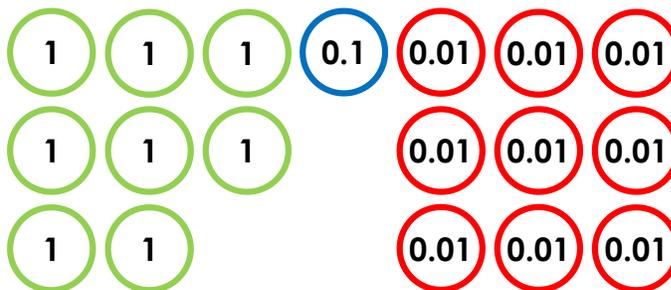
Explain your answer.

E      R

**5a.** Calculate the missing digits.

A.

```
    2 · 1   2
4 | 8 · ___ 8
```

B.

```
    1 · 1   4
7 | 7 · 9 ___
```

E      PS

**5b.** Calculate the missing digits.

A.

```
    0 · 8   1
6 | 4 · ___ 6
```

B.

```
    1 · 0   4
8 | 8 · 3 ___
```

E      PS

**6a.** Florence says,

> I think that the answers to 4.48 ÷ 4 and 3.36 ÷ 3 are the same

Is she correct? Explain how you know.

E      R

**6b.** Saad says,

> I think that 8.88 ÷ 8 is greater than 4.44 ÷ 4

Is he correct? Explain how you know.

E      R

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