

1) a) $6 \div 10 = 0.6$

When we divide by 10, we move the counters or digits one place to the right.

b) $3 \div 10 = 0.3$

Children should represent this on the place value grid by showing the three counters moving to the right into the tenths column.

c) $1 \div 10 = 0.1$

Children should represent this on the place value grid by showing the counter moving to the right into the tenths column.

2)

Ones	tenths
9	9

$9 \div 10 = 0.9$

3) a) $8 \div 10 = 0.8$

b) $5 \div 10 = 0.5$

c) $0.2 = 2 \div 10$

d) $0.6 = 6 \div 10$

4) a) $2 \div 10 = 0.2$

b) $0.7 = 7 \div 10$

1) Finley has forgotten to put the decimal point between the ones and the tenths.

2) True. If you divide 3 by 10, it equals 0.3, which is ten times smaller than Kelly's number.

3) Disagree. The place value grid does not represent a number because the counters have been incorrectly moved outside. When moving counters or digits from the ones digit place to the right, they should move straight into the tenths place. Tenths are ten times smaller than ones.

1)

Unicorn Fizz Mocktail Ingredients	
10 people	1 person
3l pink lemonade	0.3l pink lemonade
1l cream soda	0.1l cream soda
2l cranberry juice	0.2l cranberry juice
4l blueberry juice	0.4l blueberry juice

2) This statement is true because the 6 would move one place to the right on the place value grid, from the ones column into the tenths column, to make an answer of 0.6.

3) a) $32 \div 4 \div 10 = 8 \div 10$

b) $20 \div 5 \div 10 < 6 \div 10$

c) $3 \div 10 > 14 \div 7 \div 10$