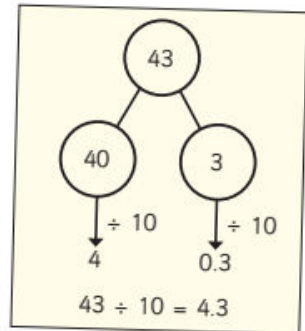**Thursday Yellow challenge**

You can't share 13 between 10 because 13 is not a multiple of 10

Do you agree with Rosie?

Explain your answer.

Dexter is calculating 43 ÷ 10

Here are Dexter's workings.

a) Talk to a partner about why Dexter's method works.

b) Use Dexter's method to complete the divisions.

$56 \div 10 =$ ☐

$71 \div 10 =$ ☐

43

40    3

÷ 10    ÷ 10

4    0.3

$43 \div 10 = 4.3$

This Gattegno chart shows the number 37

| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
|------|------|------|------|------|------|------|------|------|
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
| 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |

a)

I need to move the counters one place to the left, so 37 ÷ 10 = 26

Do you agree with Teddy? _____

Explain your answer.

b) How can you use a Gattegno chart to divide by 10?

Saba is dividing by 10. Explain and correct her mistake.

$65 \div 10 = 0.65$

$42 \div 10 = 4.2$

Convince me that this calculation is correct. Explain what would happen to the digits on a place value grid.

| Tens | Ones | tenths |
|------|------|--------|
|      |      |        |
|      |      |        |