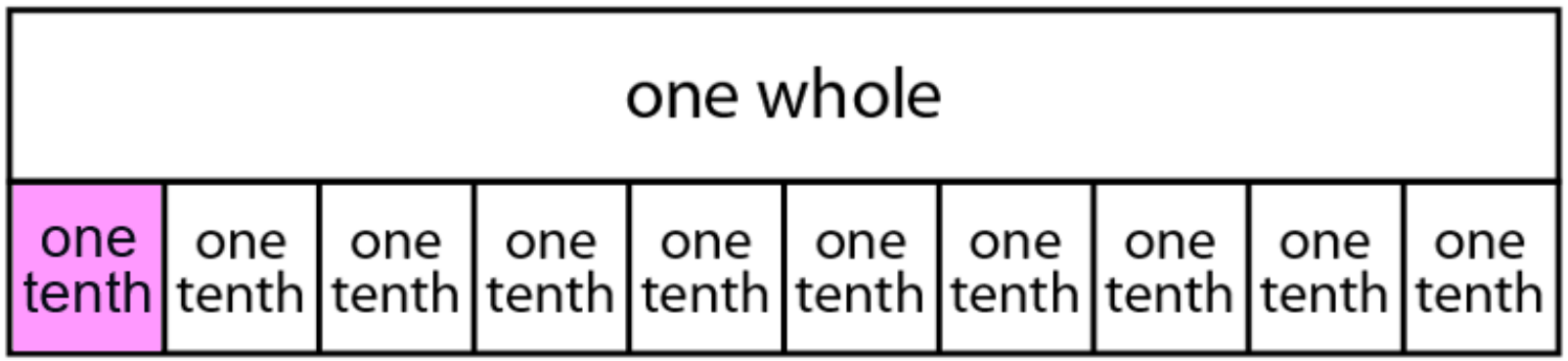
Year 5

Maths Revision

Tenths

The whole is divided into ten equal parts and one of them is shaded; this is one tenth of the whole



If a digit is moved **one column** to the **right**, the number represented becomes ten times **smaller**; we can also say it becomes one tenth the size.

_____ is divided into __ equal parts; each part is equal to ____ ; ____ is one tenth of ____.

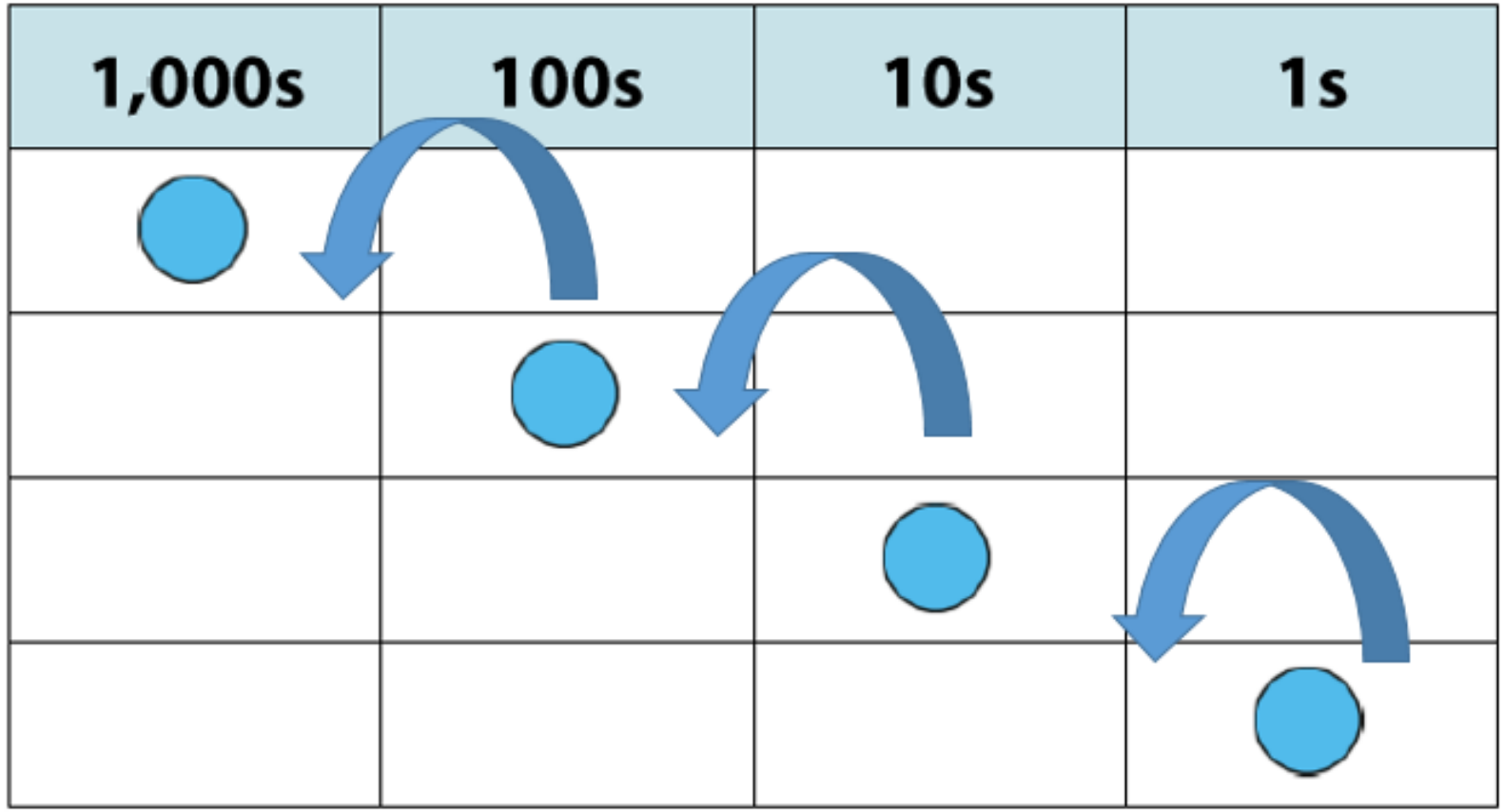
1,000s	100s	10s	1s
●			
	●		
		●	
			●

ten times smaller → one tenth the size

ten times smaller → one tenth the size

ten times smaller → one tenth the size

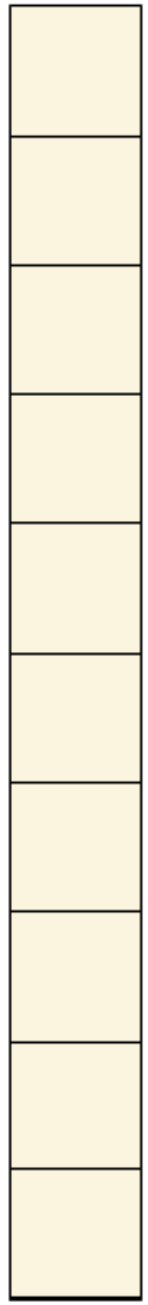
If a digit is moved **one column** to the **left**, the number represented becomes ten times **bigger**; we can also say it becomes one tenth the size.



ten times bigger ← one tenth the size

ten times bigger ← one tenth the size

ten times bigger ← one tenth the size



ten tenths	one	1.0
nine tenths	zero-point-nine	0.9
eight tenths	zero-point-eight	0.8
seven tenths	zero-point-seven	0.7
six tenths	zero-point-six	0.6
five tenths	zero-point-five	0.5
four tenths	zero-point-four	0.4
three tenths	zero-point-three	0.3
two tenths	zero-point-two	0.2
one tenth	zero-point-one	0.1

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

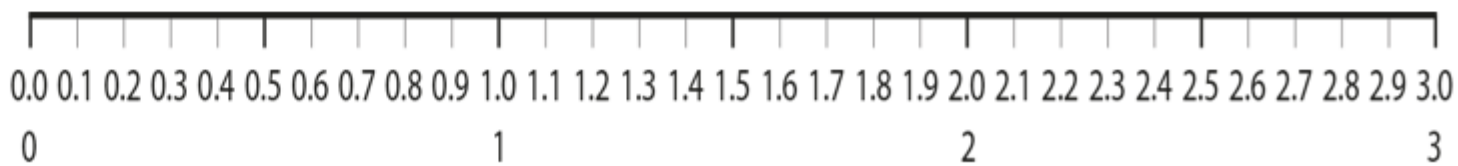
24 tenths

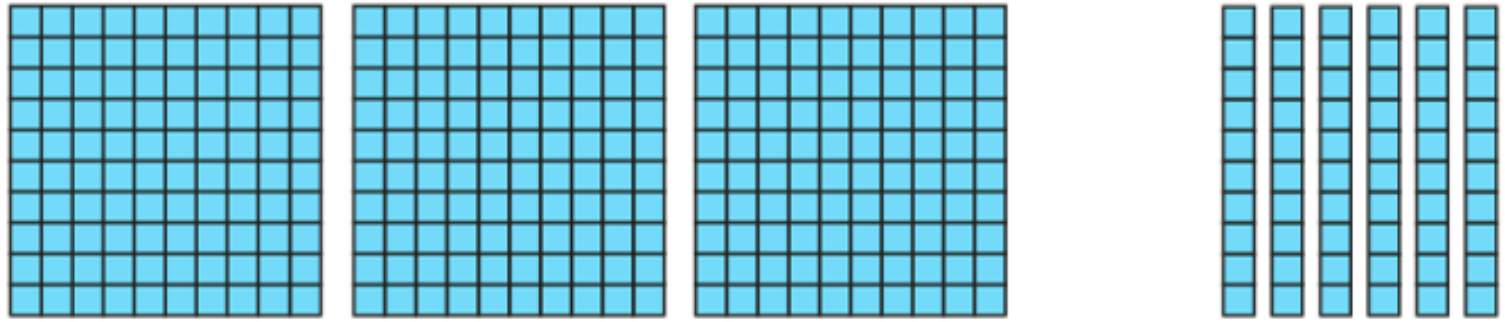
Dienes

Digits

1,000s	100s	10s	1s	0.1s

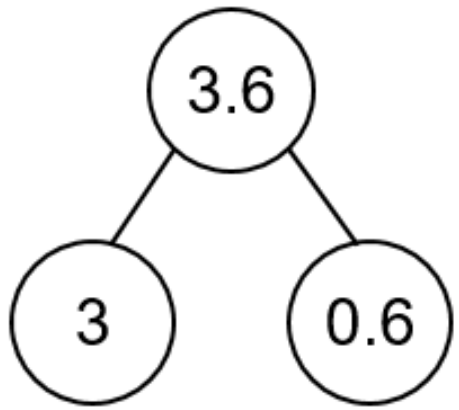
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9





$3.6 = \quad 3 \quad + \quad 0.6$

$3.6 = \quad 3 \quad + \quad \frac{6}{10}$



$3.6 = 3 + 0.6$

$3.6 = 0.6 + 3$

$3.6 - 3 = 0.6$

$3.6 - 0.6 = 3$

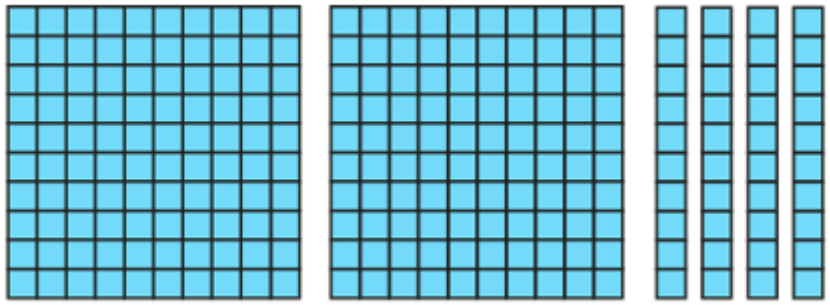
How could we represent 2.4?

In groups of 3, can you represent 2.4 in different ways?

Use the representations you have just seen:

- Dienes
- Part- whole model
- Written equations
- Number line

Challenge: can you find another way to represent 2.4?



$2.4 = 2 + 0.4$

$2.4 = \frac{4}{10}$

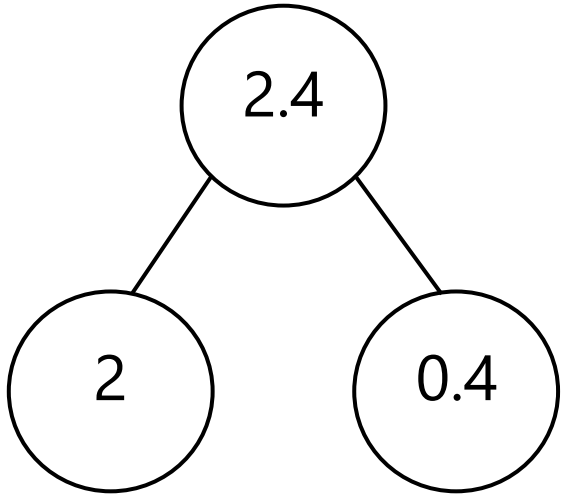
$2.4 = 2 + 0.4$

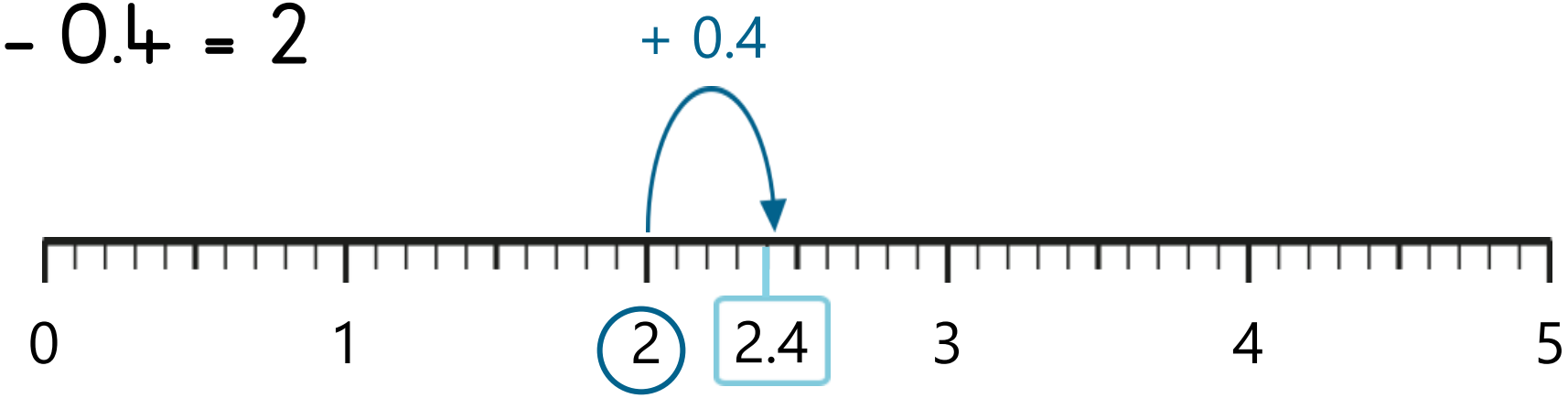
$2.4 = 0.4 + 2$

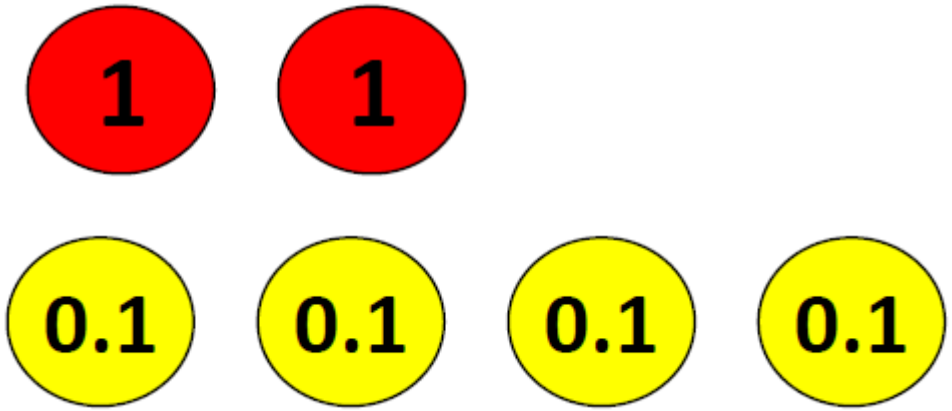
$2.4 - 2 = 0.4$

$2.4 - 0.4 = 2$

2.4

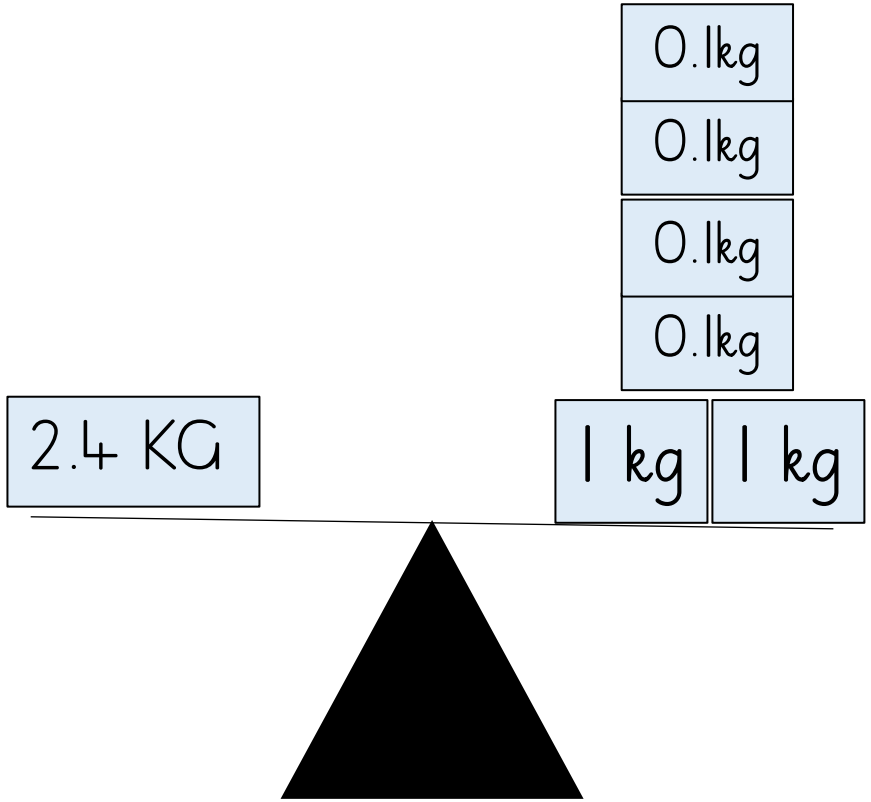


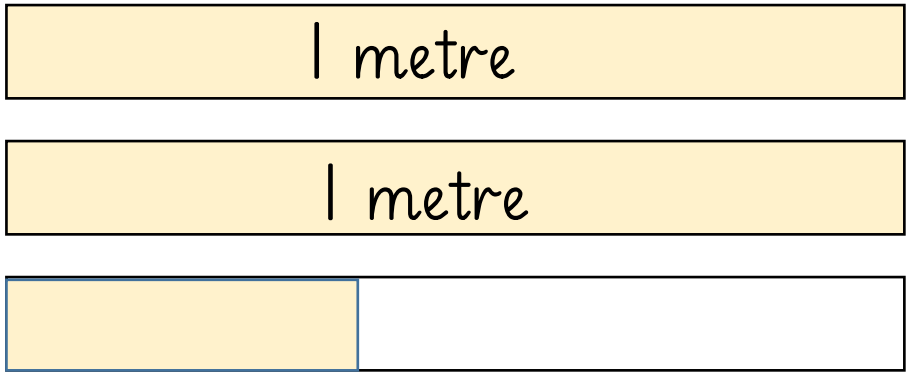




2.4	
2	0.4

2.4





4 tenths of a metre

'Fill in the missing numbers.'

$1.8 \equiv 1 + \square$

$3.6 \equiv \square + 0.6$

$1.8 \equiv \square + 0.8$

$3.6 \equiv 3 + \square$

$$0.3 = 0.1 + 0.1 + 0.1$$

$$0.3 = 3 \times 0.1$$

$$0.1 + 0.1 + 0.1 = 3 \times 0.1$$

'Complete the calculations.'

$$\begin{array}{r} 3.2 \\ +\ 5.7 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 4.5 \\ +\ 3.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6.5 \\ -\ 2.3 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 4.3 \\ -\ 1.7 \\ \hline \\ \hline \end{array}$$

'Write these as column calculations.'

6.3 + 1.4

16.3 + 1.4

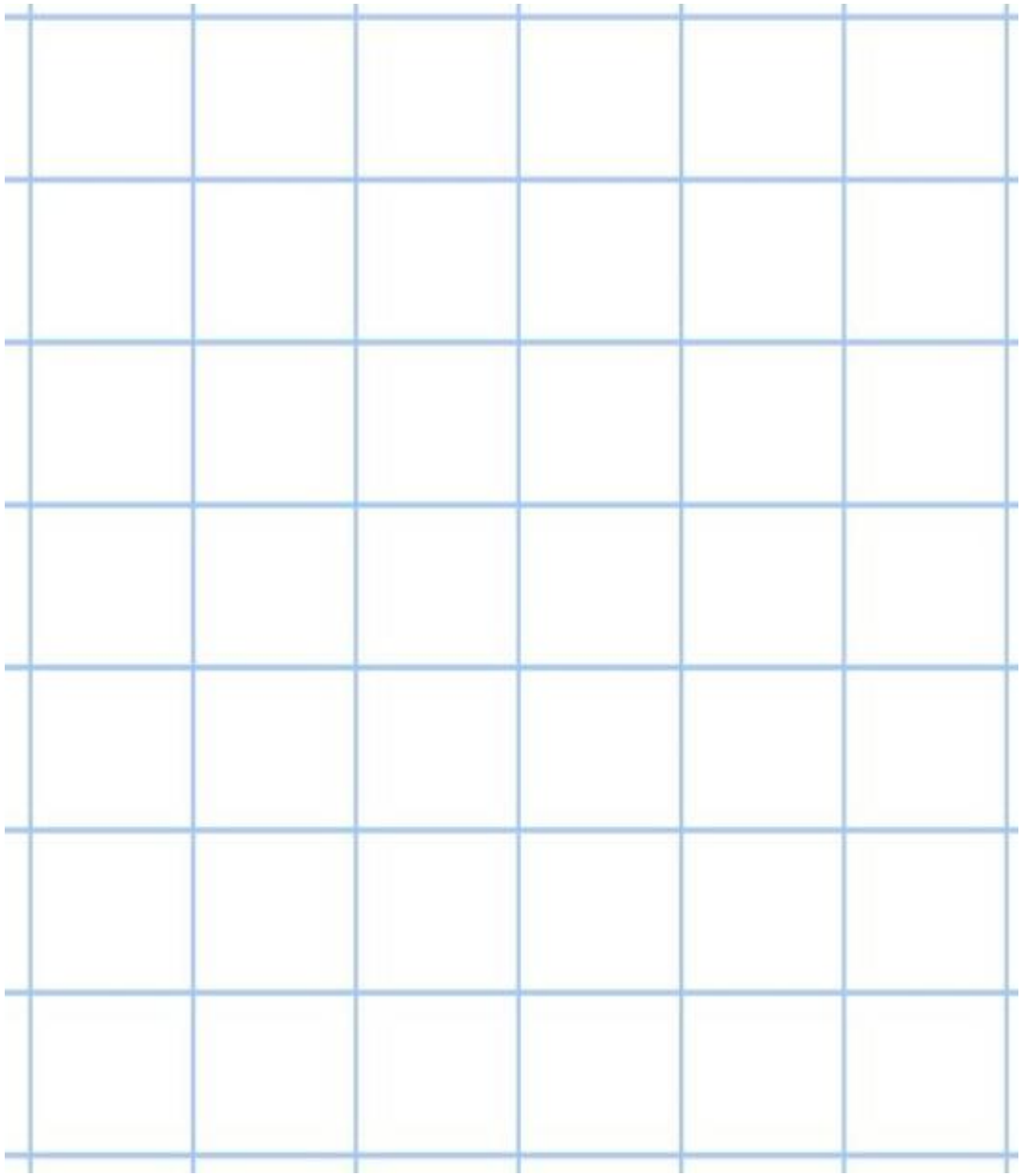
16.3 + 21.4

16.3 + 1.4 + 12.8

5.6 – 2.1

15.6 – 2.1

15.6 + 12.1



'Complete the calculations.'

$$\begin{array}{r} 13.2 \\ +\ 5.7 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 14.5 \\ +\ 23.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 36.5 \\ -\ 2.3 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 34.3 \\ -\ 2.1 \\ \hline \\ \hline \end{array}$$

'Dave and Amira are picking cherries.'

Dave picks 0.5 kg of cherries and Amira picks 0.3 kg of cherries. How much have they picked altogether?

Later, Amira picks another 0.4 kg of cherries. How much do they have now?

'Dave and Amira are picking cherries.'

Dave picks 0.5 kg of cherries and Amira picks 0.3 kg of cherries. How much have they picked altogether?

Later, Amira picks another 0.4 kg of cherries. How much do they have now?

Dòng nǎo jīn:

- *'What could the missing numbers be?'*
- *'What could they not be?'*
- *'How do you know?'*

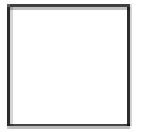
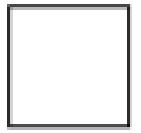
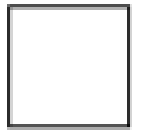
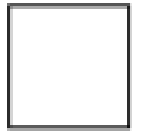
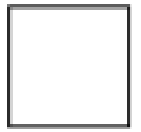
$$\begin{array}{r} 5.\square \\ +\ 1.3 \\ \hline 7.2 \\ \hline \end{array} \qquad \begin{array}{r} 3.2 \\ +\ \square.4 \\ \hline 7.6 \\ \hline \end{array}$$

___ is between ___ and ____.

____ is the previous whole number.

____ is the next whole number.

The nearest whole number is _____.

2.1	nearest whole number	→	
3.5	nearest whole number	→	
4.3	nearest whole number	→	
2.9	nearest whole number	→	
16.2	nearest whole number	→	
5.5	nearest whole number	→