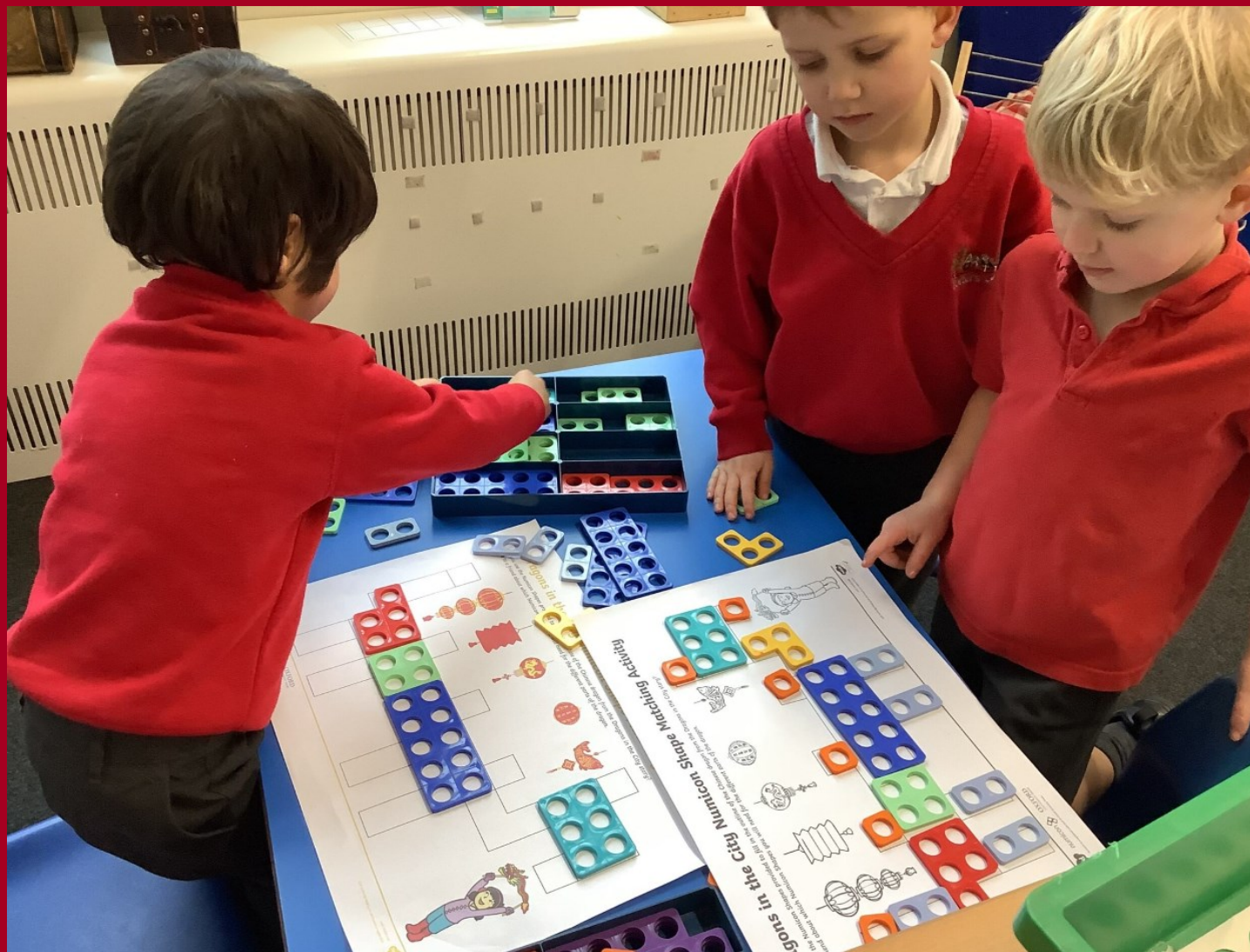


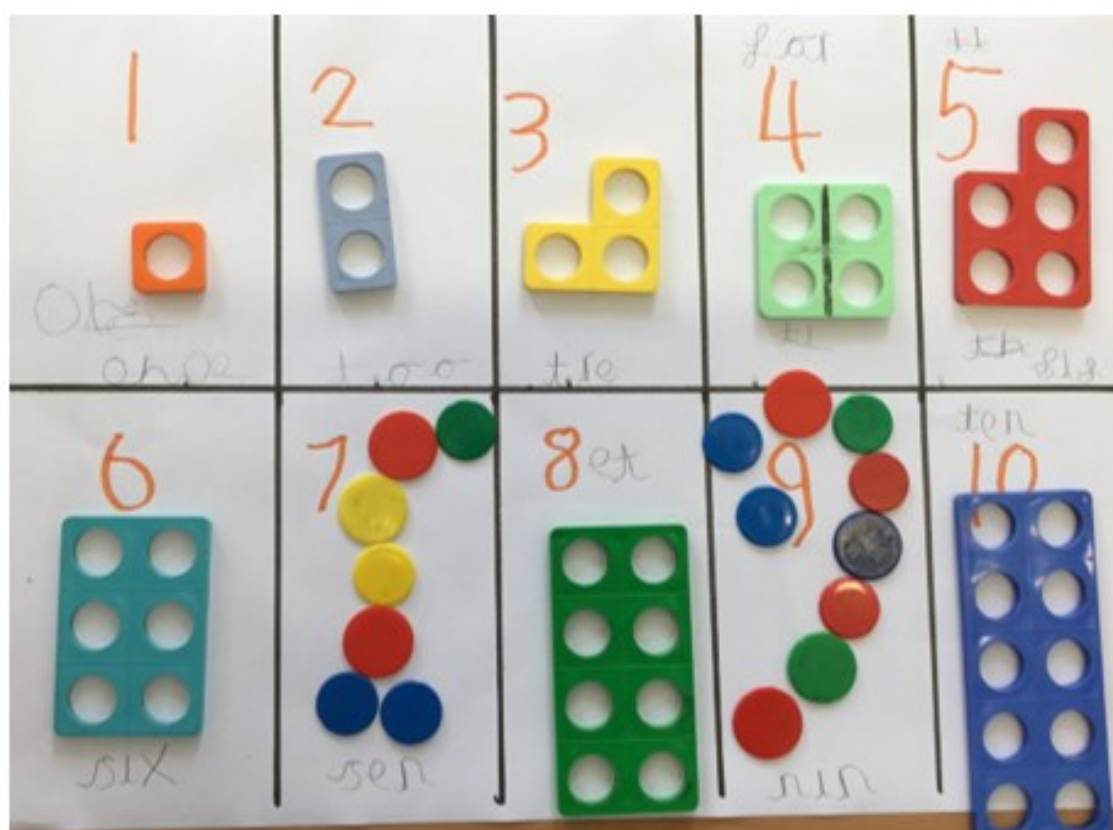
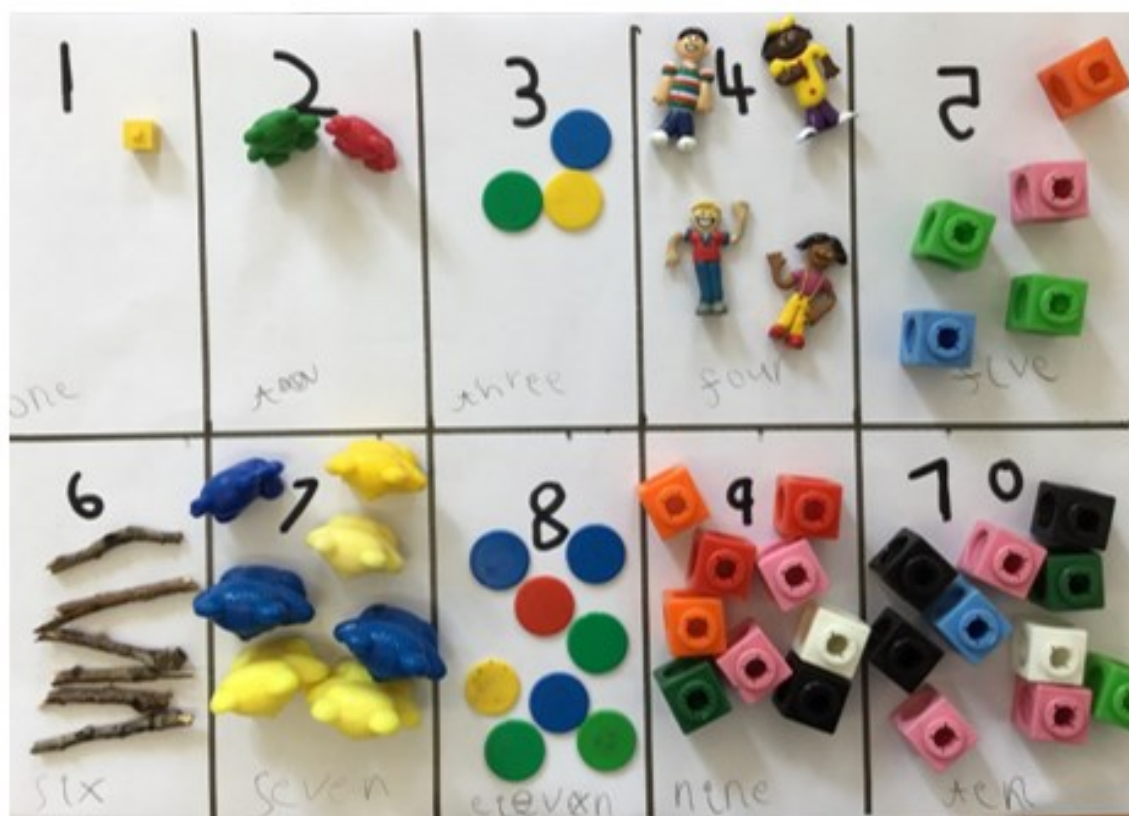


Reception

Number - ordering and recording numbers, using the part part whole method

Thursday 14th September 2023

Can I build a number line using loose parts?

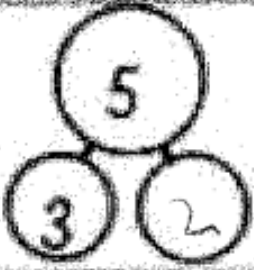
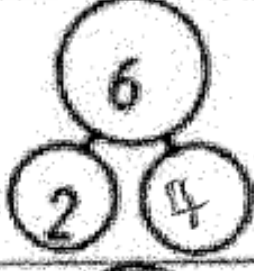
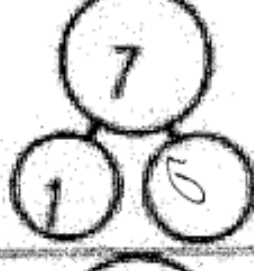
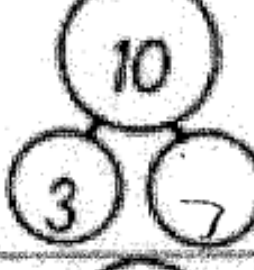
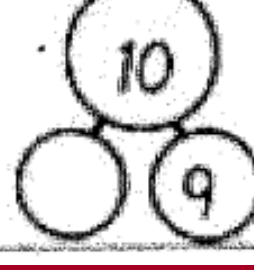


Year 1

Building number lines using loose parts

Tuesday 21st November 2023

Can I complete number sentences by finding the missing part?

	$5 = 3 + \underline{2}$
	$6 = 2 + \underline{4}$
	$7 = 1 + \underline{6}$
	$10 = 3 + \underline{7}$
	$10 = \underline{\quad} + 9$

Year 1

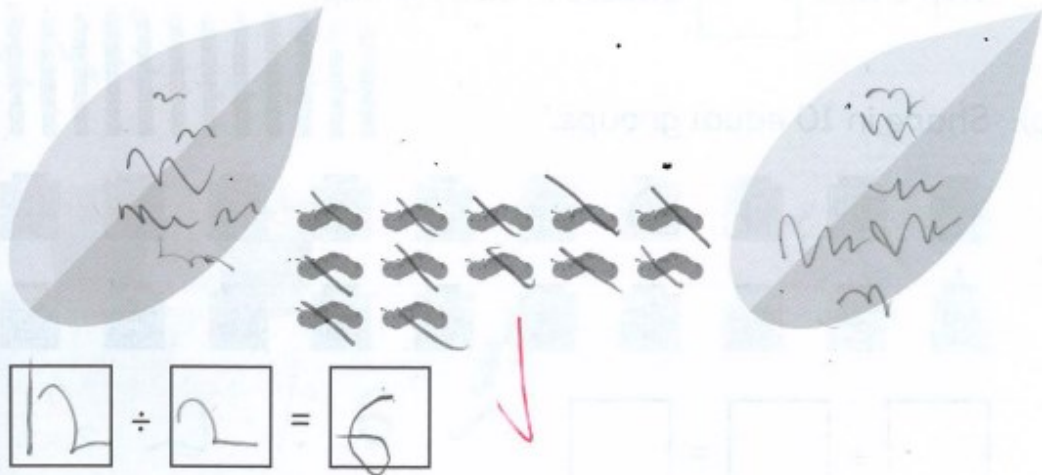
Completing number sentences by writing in the missing part

Worksheet 2

Sharing

Fill in the blanks.

- 1 (a) Draw an equal number of caterpillars on each leaf.



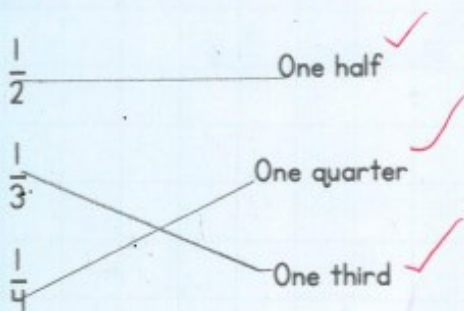
There are 6 caterpillars on each leaf.

- (b) Draw an equal number of carrots on each plate.

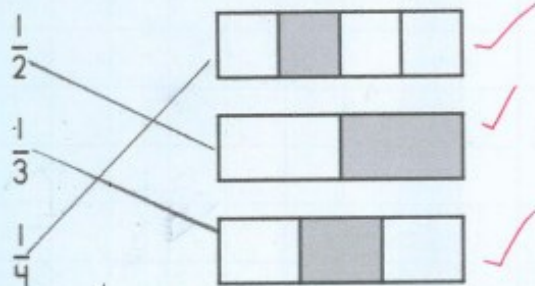


There are 5 carrots on each plate.

1 Match the fractions with their names.



2 Match the fractions with the correct representations.



Sam folds two identical paper strips.



I think that $\frac{1}{4}$ of one strip will be greater than $\frac{1}{2}$ of the other strip, because 4 is greater than 2

Do you agree with Sam?

Explain your answer.

I do not agree because $\frac{1}{4}$ means 1 quarter and $\frac{1}{2}$ is a half is two quarters

Year 2

Understanding fractions

Name: _____ Class: _____ Date: 26.02.24

Worksheet 4

Finding Part of a Set

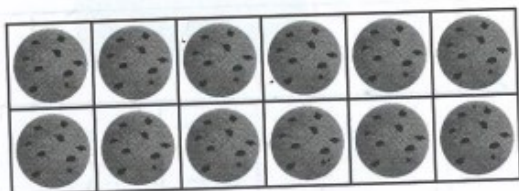


is learning how to find part of a set.

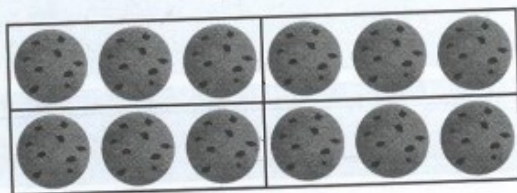
Can you help him by filling in the blanks?

1

There are 12 biscuits in a full packet.



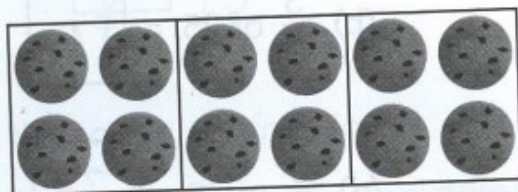
(a)



$\frac{1}{4}$ of 12 biscuits = 3 biscuits ✓

$\frac{3}{4}$ of 12 biscuits = ~~6~~9 biscuits ✓

(b)



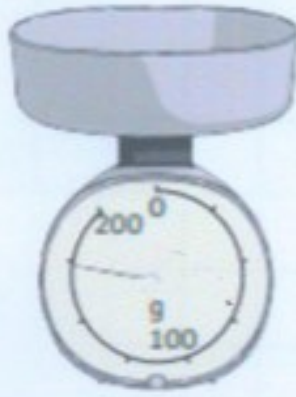
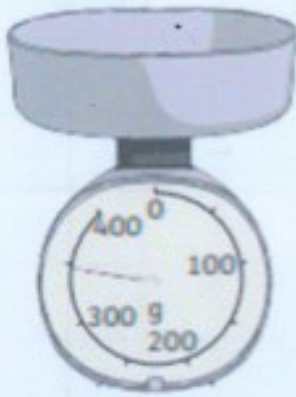
$\frac{1}{3}$ of 12 biscuits = 4 biscuits ✓

$\frac{2}{3}$ of 12 biscuits = 8 biscuits ✓

Year 3

Fractions - finding part of a set

Meera thinks that these two measurement scales show the same value because the arrows are in the same position. Is she correct?

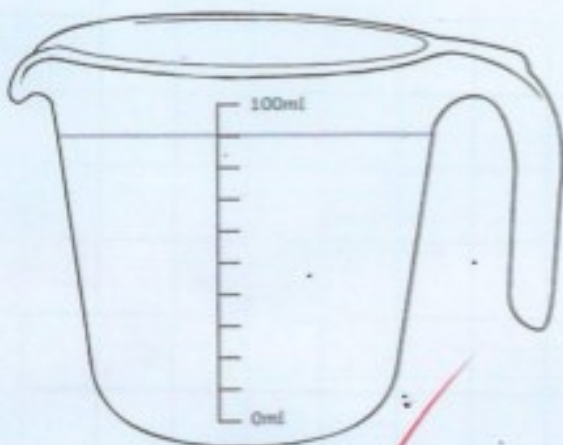


Explain your reasoning.

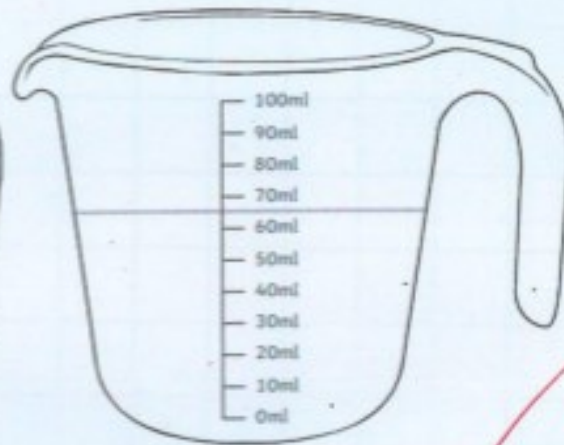


Meera

No, because the one on the left has 200 at the bottom but the one on the right has 200 at the top.



90ml



65ml

Year 3

Measurement - mass and capacity

2

Write each number as a decimal.

(a) 11 hundredths =

0.11 ✓

(b) 59 hundredths =

0.59 ✓

(c) 2 tenths 5 hundredths =

0.25 ✓

(d) 9 tenths 1 hundredth =

0.91 ✓

(e) $\frac{3}{100}$ =

0.03 ✓

(f) $\frac{52}{100}$ =

0.52 ✓

3

Fill in the blanks with the correct decimal.

(a) $0.17 =$

0.10 ✓

+ 0.07

(b) $0.48 = 0.4 +$

0.08 ✓

(c) $0.39 = 0.3 + 0.09$ ✓

(d) $0.82 = 0.8 + 0.02$ ✓

(e) $\frac{2}{10} + \frac{2}{100} =$

0.22 ✓

(f) $\frac{4}{100} + \frac{6}{10} =$

0.46 ✓

ones	tenths	h
		7

$$\begin{array}{r}
 0.09 \quad 0.80 \\
 0.30 \quad 0.02 \\
 \hline
 0.39 \quad 0.82
 \end{array}$$

1) Draw counters on the place value charts to show the numbers below.

1.4

ones	tenths
○	○○○○



0.6

ones	tenths
	○○○○○



2.3

ones	tenths
○○	○○○



3.5

ones	tenths
○○○	○○○○



2) Write the number each place value chart is showing below.

4.5

ones	tenths
○○○○	○○○○○



1.3

ones	tenths
○	○○○



0.9

ones	tenths
	○○○○○○○○



Year 4

Showing decimals on a place value chart

Worksheet 12

Adding and Subtracting Decimals

1 Add or subtract.

$$\begin{array}{r} \text{(a)} \quad 3.157 \\ + \quad 0.492 \\ \hline 3.649 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 5.046 \\ + \quad 1.455 \\ \hline 6.501 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad 1.306 \\ + \quad 2.284 \\ \hline 3.590 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad 6.539 \\ + \quad 0.503 \\ \hline 7.042 \end{array}$$

$$\begin{array}{r} \text{(e)} \quad 4.503 \\ + \quad 1.760 \\ \hline 6.263 \end{array}$$

$$\begin{array}{r} \text{(f)} \quad 9.168 \\ + \quad 4.763 \\ \hline 13.931 \end{array}$$

$$\begin{array}{r} \text{(g)} \quad 2.786 \\ - \quad 1.342 \\ \hline 1.444 \end{array}$$

$$\begin{array}{r} \text{(h)} \quad 5.612 \\ - \quad 2.715 \\ \hline 2.897 \end{array}$$

$$\begin{array}{r} \text{(i)} \quad 8.14^{12} 3.15 \\ - \quad 6.847 \\ \hline 1.298 \end{array}$$

$$\begin{array}{r} \text{(j)} \quad 3.14^{12} 2.10^{4} 11 \\ - \quad 1.513 \\ \hline 1.628 \end{array}$$

04.12.23

Spot the Mistake

Explain and correct the working.

Thousands	Hundreds	Tens	Ones
1000 1000 1000	100 100 100	10	1 1 1
1000 1000 1000	100		1
1000 1000 1000			

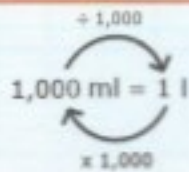
	3	1	0	1
3	9	4	1	4

They didn't carry over the 1 from the

$$\begin{array}{r} 3138 \\ 3 \overline{) 9414} \end{array}$$

Year 5

Reasoning in division



1) $0.73 \text{ l} = \underline{730} \text{ ml}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
						0	7	3	
				7	3	0			

2) $17 \text{ ml} = \underline{0.017} \text{ l}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
					1	7			
						0	0	1	7

3) $300 \text{ ml} = \underline{0.3} \text{ l}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
				3	0	0			
						0	3		

4) $1.05 \text{ l} = \underline{1050} \text{ ml}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
						1	0	5	
				1	0	5	0		

5) $50 \text{ ml} = \underline{0.05} \text{ l}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
					5	0			
						0	0	5	

6) $12 \text{ l} = \underline{1200} \text{ ml}$ ✓

M	HTh	TTh	Th	H	T	O	t	h	th
					1	2			
				1	2	0	0	0	

7) $0.08 \text{ l} = \underline{80} \text{ ml}$ ✓

8) $15 \text{ ml} = \underline{0.015} \text{ l}$ ✓

9) $0.004 \text{ l} = \underline{4} \text{ ml}$ ✓

Fluency

1) $2.3 \text{ l} = \underline{2300} \text{ ml}$ ✓

2) $0.09 \text{ l} = \underline{90} \text{ ml}$ ✓

3) $43 \text{ ml} = \underline{0.043} \text{ l}$ ✓

4) $246 \text{ ml} = \underline{0.246} \text{ l}$ ✓

5) $41.3 \text{ l} = \underline{41300} \text{ ml}$ ✓

Empty box

Insert ml or l

1) $4.3 \text{ l} = 4 \text{ l}$ and 300 ml ✓

2) $8,900 \text{ ml} = 900 \text{ ml}$ and 8 l ✓

3) $0.023 \text{ l} = 23 \text{ ml}$ ✓

Find the mistake

1) $2.6 \text{ l} + 31 \text{ ml} = 2.91 \text{ l}$

2) $0.9 \text{ l} + 1 \text{ ml} = 1 \text{ l}$

3) $4.2 \text{ l} + 130 \text{ ml} = 4.07 \text{ l}$

True or false?

1) $0.39 \text{ l} = 39 \text{ ml}$ False ✓

2) $0.003 \text{ l} = 3 \text{ ml}$ True ✓

3) $365 \text{ l} = 0.365 \text{ ml}$ False ✓

Explore

Maya needs at between 1.9 and 2.4 l of water in a barrel.

Which combinations of 3 of these full bottles could she use?

0.89 l	73 ml	1.07 l
580 ml	1,260 ml	1.396 l
180 ml	0.03 l	0.99 l

What if she could use 4 bottles?

22.2.24

Can I convert between metric units of length?

Fluency

- 1) 42 g = 0.042 kg ✓
- 2) 1.03 kg = 1030 g ✓
- 3) 873 g = 0.873 kg ✓
- 4) 0.32 kg = 320 g ✓
- 5) 0.086 kg = 86 g ✓

Empty box

Insert g or kg

- 1) 8.2 kg = 200 g and 8 kg ✓
- 2) 5.002 kg = 5 kg and 2 g ✓
- 3) 0.704 kg = 704 g ✓

Find the mistake

- 1) 0.37 kg + 20 g = 0.57 kg ✓
- 2) 3.75 kg + 240 g = 3.51 kg ✓
- 3) 0.8 kg + 2 g = 1 kg ✓

True or false?

- 1) 0.005 kg = 5g True ✓
- 2) 83 kg = 0.083 g False ✓
- 3) 571 g = 5.71 kg False ✓

Explore

A baker needs between 0.8 and 1.5 kg of flour.

Which combinations of 3 of these bags of flour could she use?

0.25 kg	83 g	1.2 kg
568 g	670 g	0.009 kg
1,002 g	206 g	0.3 kg

What if she could use 4 bags?

$$\begin{array}{r} 1 \quad 8.853016 \\ - 1.583062 \\ \hline 10.436078 \end{array} \checkmark$$

$$\begin{array}{r} 2 \quad 10.999 \\ - 0.018 \\ \hline 10.981 \end{array} \checkmark$$

$$3 \quad 31494 \checkmark$$

$$4 \quad 4\frac{1}{2} \checkmark$$

$$5 \quad 41.6 \checkmark$$