

Millimetres and Millilitres

1a. Multiply or divide? Show you know how to convert the measurement by completing these statements.

To convert 5m into millimetres, _____ by 1,000. The answer is _____.

To convert 3,000ml into litres, _____ by 1,000. The answer is _____.

To convert 7L into millilitres, _____ by 1,000. The answer is _____.



VF

2a. Complete the table below.

mm	m
	2
4,000	
8,000	
	3



VF

3a. Order these mixed measurements from largest to smallest.

2,000mm

6,000mm

1m

3m

5,000mm



VF

4a. Draw lines to match the equivalent measurements.

1,000ml	2,000mm
2m	3m
5L	1L
3,000mm	5,000ml



VF

Millimetres and Millilitres

1b. Which two measurements combine to make 6L?

2L

5,000ml

4,000ml



PS

2b. Is the following statement correct?

6m

>

5,000mm

Explain your answer.



R

3b. Phoebe has 3L of water in her bucket. Jess has 5,000ml of water in her bucket.

Phoebe adds 4L of water to her bucket. Jess adds 1,000ml to her bucket.

Jess says,



My bucket has the least amount of water.

Is she right? Explain how you know.



R

Millimetres and Millilitres

5a. Multiply or divide? Show you know how to convert the measurement by completing these statements.

To convert 2.3m into millimetres, _____ by 1,000. The answer is _____.

To convert 3,200ml into litres, _____ by 1,000. The answer is _____.

To convert 5.7L into millilitres, _____ by 1,000. The answer is _____.



VF

6a. Complete the table below.

$\frac{?}{1000}$	ml	L
$\frac{300}{1000}$		
	900	
		0.6



VF

7a. Order these mixed measurements from largest to smallest.

4,100mm

4m

4.2m

0.3m

400mm



VF

8a. Draw lines to match the equivalent measurements.

1,500ml	2,500mm
$2\frac{1}{2}$ m	2,200mm
1.4L	1.5L
$2\frac{1}{5}$ m	1,400ml



VF

Millimetres and Millilitres

4b. Which three measurements combine to make 5.7L?

0.5L

1,500ml

3,700ml

1.3L

4.6L



PS

5b. Is the following statement correct?

$$\frac{900}{1000} \text{ L} = 900\text{ml} > 0.9\text{L}$$

Explain your answer.



R

6b. Brooke's bucket can hold 2,800ml. Lily's bucket can hold 1.2L. Both fill their buckets half way. Brooke adds an extra 500ml and Lily adds an extra 200ml.

Lily says,



My bucket has the least amount of water.

Is she right? Explain how you know.



R

Millimetres and Millilitres

9a. Multiply or divide? Show you know how to convert the measurement by completing these statements.

To convert 2.34m into millimetres, _____ by 1,000. The answer is _____.

To convert 4,010ml into litres, _____ by 1,000. The answer is _____.

To convert 5.77L into millilitres, _____ by 1,000. The answer is _____.



VF

10a. Complete the table below.

$\frac{?}{1000}$	ml	L
$\frac{350}{1000}$		
	590	
		0.71



VF

11a. Order these mixed measurements from largest to smallest.

460mm

4.36m

4.26m

0.29m

426mm



VF

12a. Draw lines to match the equivalent measurements.

7,760ml	7,750mm
$7\frac{3}{4}$ m	7,500mm
7.45L	7.76L
$7\frac{2}{4}$ m	7,450ml



VF

Millimetres and Millilitres

7b. Which three measurements combine to make 5.75L?

1.75L

1,250ml

2,700ml

1.5L

$2\frac{3}{4}$ L



PS

8b. Is the following statement correct?

0.15L

>

$\frac{15}{1000}$ L

<

150ml

Explain your answer.



R

9b. Ava's bucket can hold 6.3L. Olivia's bucket can hold 3,800ml. Ava fills a third of her bucket and then adds 250ml. Olivia fills her bucket half way. She then adds 450ml of water.

Olivia says,



We have the same amount of water.

Is she right? Explain how you know.



R

Varied Fluency
Millimetres and Millilitres

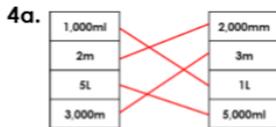
Developing

1a. multiply, 5,000mm; divide, 3L;
multiply, 7,000ml

2a.

mm	m
2,000	2
4,000	4
8,000	8
3,000	3

3a. 6,000mm; 5,000mm; 3m; 2,000mm; 1m



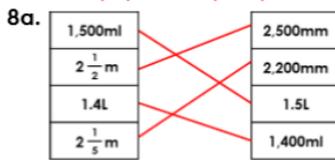
Expected

5a. multiply, 2,300mm; divide, 3.2L;
multiply, 5,700ml

6a.

?	ml	L
$\frac{300}{1000}$	300	0.3
$\frac{900}{1000}$	900	0.9
$\frac{600}{1000}$	600	0.6

7a. 4.2m; 4,100mm; 4m; 400mm; 0.3m



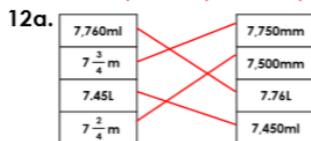
Greater Depth

9a. multiply, 2,340mm; divide, 4.01L;
multiply, 5,770ml

10a.

?	ml	L
$\frac{350}{1000}$	350	0.35
$\frac{590}{1000}$	590	0.59
$\frac{710}{1000}$	710	0.71

11a. 4.36m, 4.26m, 460mm, 426mm, 0.29m



Reasoning and Problem Solving
Millimetres and Millilitres

Developing

1b. $2L + 4,000ml = 6L$

2b. Yes, $6m \times 1,000 = 6,000mm$. 6,000mm is greater than 5,000mm.

3b. Yes, Jess is correct because Phoebe has 7L of water ($4L + 3L$). Jess has 6,000ml ($5,000ml + 1,000ml$). $6,000ml \div 1,000 = 6L$ of water. 6L is less than 7L.

Expected

4b. $0.5L + 3,700ml + 1,500ml = 5.7L$

5b. No, $\frac{900}{1000} L = 900ml = 0.9L$.

$0.9L \times 1,000 = 900ml$, so all are equal.

6b. Yes, Lily is correct because Brooke has 1,900ml ($2,800ml \div 2$ and $1,400ml + 500ml$). Lily has 800ml ($1.2L \div 2$ and $0.6L + 200ml$). Lily has 1,100ml of water less than Brooke.

Greater Depth

7b. $2\frac{3}{4} L + 1.75L + 1,250ml = 5.75L$

8b. Yes, $0.15L \times 1,000 = 150ml$. $\frac{15}{1000} L = 15ml$. 150ml is greater than 15ml.

9b. Yes, Olivia is correct because Ava has 2,350ml ($6.3L \div 3$ and $2.1L + 250ml$). Olivia has 2,350ml ($3,800ml \div 2$ and $1,900ml + 450ml$). They each have 2,350ml of water in their buckets.