Tuesday 7th July

Year 5: Millimetres and Millilitres

Draw a line to match these converted units of measure.

7,000ml	1,000ml	5,000mm

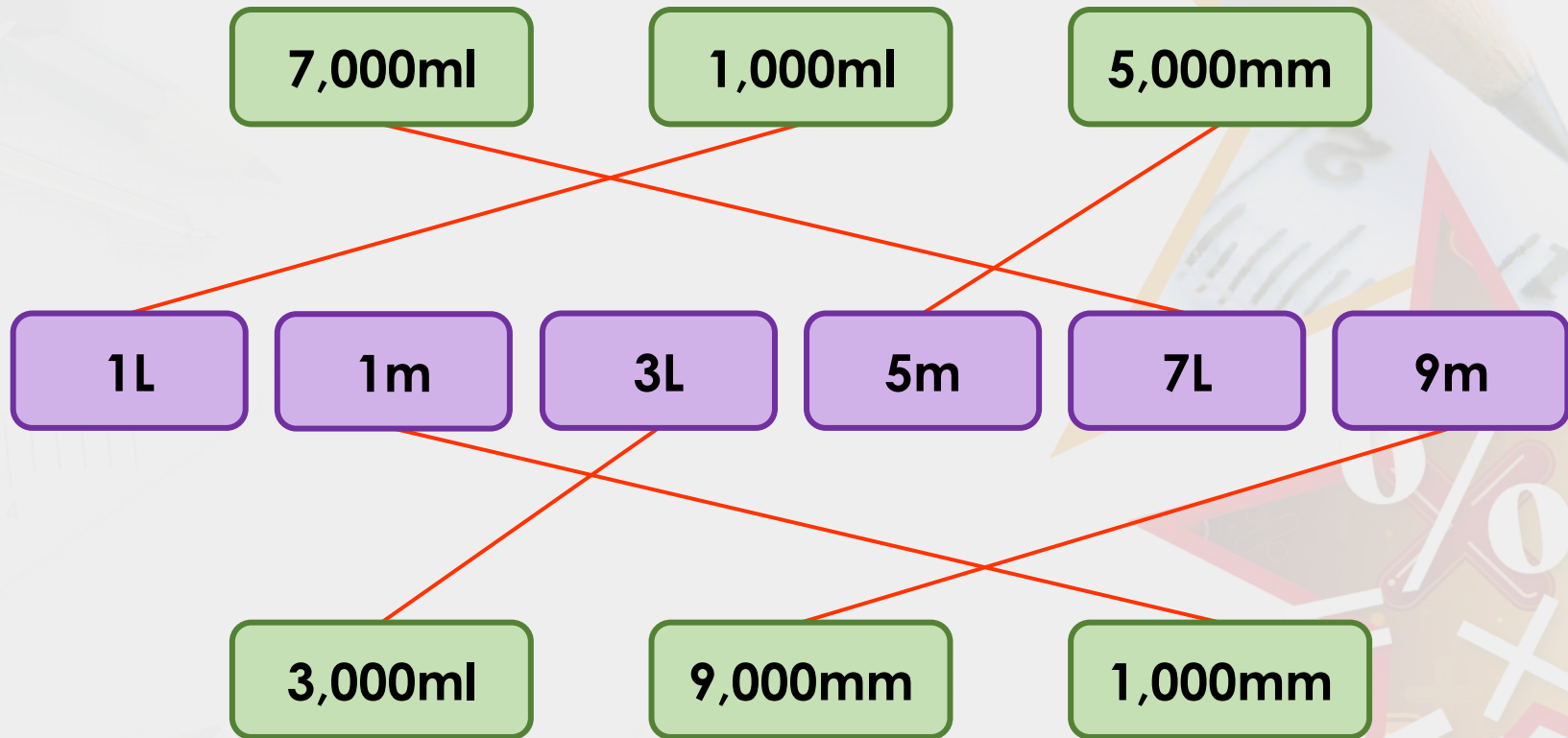| 1L	1m	3L	5m	7L	9m

3,000ml	9,000mm	1,000mm

Y5

Draw a line to match these converted units of measure.

7,000ml	1,000ml	5,000mm

1L	1m	3L	5m	7L	9m

3,000ml	9,000mm	1,000mm

Y5

Show you know how to convert the measurement by completing these statements.

To convert 7.1m into millimetres _____ by 1,000. The answer is _____.

To convert 1,250ml into litres _____ by 1,000. The answer is _____.

To convert 2,800ml into litres _____ by 1,000. The answer is _____.

Y5

Show you know how to convert the measurement by completing these statements.

To convert 7.1m into millimetres __multiply__ by 1,000. The answer is __7,100mm__ .

To convert 1,250ml into litres __divide__ by 1,000. The answer is __1.25L__ .

To convert 2,800ml into litres __divide__ by 1,000. The answer is __2.8L__ .

Y5

Complete the table.

$\frac{1}{1000}$	ml	L
$\frac{70}{1000}$		
	40	
		0.55

Complete the table.

$\dfrac{1}{1000}$	ml	L
$\dfrac{70}{1000}$	70	0.07
$\dfrac{40}{1000}$	40	0.04
$\dfrac{550}{1000}$	550	0.55

Y5

Order these mixed measurements from smallest to largest.

50ml

5.0L

5.5L

0.5L

550ml

Y5

Order these mixed measurements from smallest to largest.

50ml

5.0L

5.5L

0.5L

550ml

| 50ml | 0.5L | 550ml | 5.0L | 5.5L |

Y5

Draw lines to match the equivalent measurements.

2,750ml	1,400ml
$3 \frac{3}{4}$ m	4,750mm
1.4L	2.75L
$4 \frac{3}{4}$ m	3,750mm

Y5

Draw lines to match the equivalent measurements.

2,750ml	1,400ml
$3 \frac{3}{4}$ m	4,750mm
1.4L	2.75L
$4 \frac{3}{4}$ m	3,750mm

Y5

Which 3 measurements combine to make 5.3m?

0.8m

880mm

3,200mm

1.3m

700mm

Y5

Which 3 measurements combine to make 5.3m?

0.8m

880mm

3,200mm

1.3m

700mm

3,200mm ÷ 1,000 = 3.2m

3.2m + 1.3m + 0.8m = 5.3m

Y5

Is the following statement correct?

$$\frac{8}{1000} \text{ L} \quad < \quad 80\text{ml} \quad = \quad 0.08\text{L}$$

Explain your answer.

Y5

Is the following statement correct?

$\frac{8}{1000}$ L   <   80ml   =   0.08L

Explain your answer.
Yes, it correct because I know…

Y5

Is the following statement correct?

$$\frac{8}{1000} \text{ L} \quad < \quad \text{80ml} \quad = \quad \text{0.08L}$$

Explain your answer.

Yes, it correct because I know

$$\frac{8}{1000} \text{ L= 8ml}$$

8ml < 80ml

0.08l x 1000 = 80ml; 80ml = 0.08L

Y5

Elijah's bucket can hold 3,500ml. Mason's bucket can hold 4.2L. Both fill their buckets half way. Elijah adds an extra 850ml and Mason adds an extra 400ml.

Elijah says:

> My bucket has the least water.

Is he right? Explain how you know.

Elijah's bucket can hold 3,500ml. Mason's bucket can hold 4.2L. Both fill their buckets half way. Elijah adds an extra 850ml and Mason adds an extra 400ml.
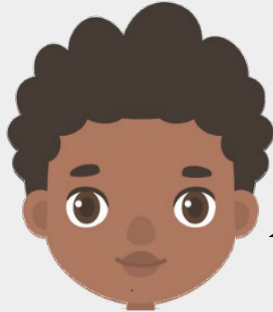
Elijah says:

> My bucket has the least water.

Is he right? Explain how you know.

No Elijah is incorrect because…

Y5

Elijah's bucket can hold 3,500ml. Mason's bucket can hold 4.2L. Both fill their buckets half way. Elijah adds an extra 850ml and Mason adds an extra 400ml.

Elijah says:

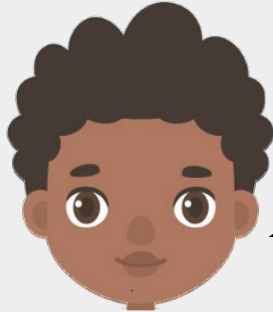> My bucket has the least water.

Is he right? Explain how you know.

No Elijah is incorrect because he has 3,500ml ÷ 2 = 1,750ml. 1,750ml + 850ml = 2,600ml.

Mason has 4.2l ÷ 2 = 2.1L.
2.1L x 1,000 = 2,100ml.
2,100ml + 400ml = 2,500ml.

So Elijah's bucket has 100ml more than Mason's bucket.

Y5

Year 5 Developing

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 _____.

5 VF

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

To convert 9 litres into millilitres, _____ by 1,000. The answer is _____.

To convert 3,000mm into metres, _____ by 1,000. The answer is _____.

To convert 8,000ml into litres, _____ by 1,000. The answer is _____.

5 VF

2a. Complete the table below.

mm	m
	2
4,000	
8,000	
	3

5 VF

2b. Complete the table below.

ml	L
	3
	7
6,000	
	10

5 VF

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

2,000mm   6,000mm   1m

3m   5,000mm

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

3m   9,000mm   2,000mm

5m   8,000mm

1a. Which two measurements combine to make 5m?

2,000mm		3m

1,000mm

5 PS

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

2L		5,000ml

4,000ml

5 PS

2a. Is the following statement correct?

5,000ml = 55L

Explain your answer.

2b. Is the following statement correct?

6m > 5,000mm

Explain your answer.

Year 5 Expected

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 _____.

5   VF

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

To convert 4,100ml into litres, _____ by 1,000. The answer is _____.

To convert 7.5m into millimetres, _____ by 1,000. The answer is _____.

To convert 9.4L into millilitres, _____ by 1,000. The answer is _____.

5   VF

6a. Complete the table below.

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

5   VF

6b. Complete the table below.

$\frac{?}{1000}$	ml	L
	200	
		0.4
$\frac{800}{1000}$		

5   VF

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

4,100mm	4m	4.2m

0.3m	400mm

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

8L	750ml	8,800ml

7.5L	0.5L

4a. Which three measurements combine to make 4.3m?

| 2,500mm | | 2,000mm |

| 0.3m |

| 0.6m | | 1,500mm |

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

| 0.5L | | 1,500ml |

| 3,700ml |

| 1.3L | | 4.6L |

5a. Is the following statement correct?

$\frac{50}{1000}$ L   <   50ml   =   0.5L

Explain your answer.

5b. Is the following statement correct?

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

Explain your answer.

Year 5 Greater Depth

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 _____.

5   VF

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

To convert 4.18 litres into millilitres, _____ by 1,000. The answer is _____.

To convert 7,040mm into metres, _____ by 1,000. The answer is _____.

To convert 9.49L into millilitres, _____ by 1,000. The answer is _____.

5   VF

10a. Complete the table below.

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

5   VF

10b. Complete the table below.

$\frac{?}{1000}$	ml	L
	750	
		0.06
$\frac{950}{1000}$		

5   VF

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

460mm   4.36m   4.26m

0.29m   426mm

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

8.76L   760ml   8,610ml

7.6L   0.86L

7a. Which three measurements combine to make 6.27m?

$1\frac{1}{4}$ m 5,000mm

0.2m

0.02m 6,000mm

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

1.75L 1,250ml

2,700ml

1.5L $2\frac{3}{4}$ L

8a. Is the following statement correct?

0.06L > $\frac{600}{1000}$ L = 0.6L

Explain your answer.

8b. Is the following statement correct?

0.15L > $\frac{15}{1000}$ L < 150ml

Explain your answer.