Millimetres and millilitres

The bar model shows that 1 m is equal to 1,000 mm. Use the bar models to complete the conversions.

a)	1 m	1 m	1	l m	1 n	1 m		n	1 m		
	1,000 mm	l,000 mm	1,00	0 mm	l,000 mm		1,000 mm		1,000 mm		
	6 m = 6,000 mm										
b)	1 m	1 m	1	l m							
	l,000 mm	l,000 mm	1,00	0 mm	3 m = 3,			3,0	mm		
c)	lm Im		1,		m		lm		lm		
	1,000 mm	n 1,000 n	nm	1,000 mm		1,000 mm		n /	1,000 mm		
							5	m =	= 5,000) mm	



Fill in the missing values to convert between metres and millimetres.



3 Alex and Jack are converting 3.5 m into millimetres. I'm going to use bar models. Alex

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1 m

1,000 mm

Annie's method

lm	Im	Jm	0.5m	
1,000 mm	1,000 mm	1,000mm	500m	

- **b)** Complete the conversion.
- c) Whose method do you prefer? Various Explain your answer.
- Use the information to complete the representations and conversions.

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c) 0.8 km – 300 m (<) $\frac{7}{10}$ km d) $\frac{1}{5}$ | + 200 ml + $\frac{4}{5}$ ml (<) $\frac{1}{4}$ | + 1 | A piece of string is 2.76 m long.

How many 30 mm pieces can be cut from the string?

Orange juice is sold in bottles and cartons.

a) Which is better value, the carton

or the bottle? _______

Explain your answer.

b) Dexter buys 12 cartons and 5 bottles of juice. (23 litres) He pours them into glasses with 200 ml of juice in each glass. (115 He sells each glass of juice for 40p. (E46) He sells all the glasses of juice. How much profit does he make? $12 \times 49p + 5 \times E1.09 = E11.33$ E46 - E11.33 = E34.67

Write <, > or = to compare the measurements.

1,000 ml

250 m £1.09 49p







pieces

g lasses)

E34.67



