

Leith Academy Maths Department
National 4 Numeracy
Practice Assessment 1

- 1) Increase the following amounts by the percentage given.
a) 320cm by 30% b) £80 by 60% c) 1245kg by 70%
- 2) Decrease the following amounts by the percentage given.
a) 470km by 20% b) \$130 by 40% c) 745g by 80%
- 3) An empty bucket weighs 400 grams. It is filled with 12 bricks, each weighing 2000 grams. How heavy is the full bucket?
- 4) An empty bucket weighs 450 grams. It is filled with 14 identical components and the total weight of the bucket and components is now 12210 grams. What is the weight of one component?
- 5) An empty bucket weighs half a kilogram. It is filled with 16 concrete slabs, each weighing 3.1 kilograms. If the heaviest weight Steven can carry is 50 kilograms, can Steven carry the full bucket? Give a reason.
- 6) Using the table, convert the following amounts to the required currency.

Currency	Exchange Rate
Euro	1.18
US Dollar	1.33
Indian Rupee	88.83
Australian Dollar	1.77
Japanese Yen	135.38

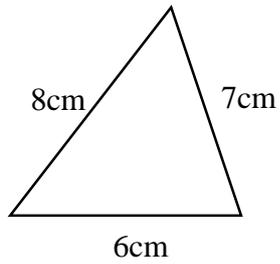
- a) £300 to Euros
b) £450 to Indian rupees
c) £12500 to Australian dollars
d) £140 to Japanese yen
e) £145000 to US dollars

- 7) Copy and complete the table which shows departure times, arrival times and time taken for different journeys.

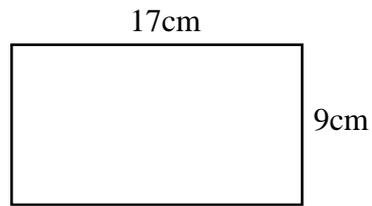
	Departure Time	Arrival Time	Time Taken
a)	0830	1015	
b)	1110	1430	
c)	1454	1819	
d)	1145		1 hour 25 minutes
e)	1450		3 hours 55 minutes
f)	1917		2 hours 48 minutes
g)		1530	2 hours 15 minutes
h)		0735	3 hours 40 minutes
i)		0913	6 hours 28 minutes

8) Calculate the perimeter of these shapes.

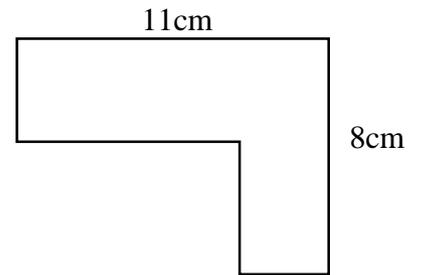
a)



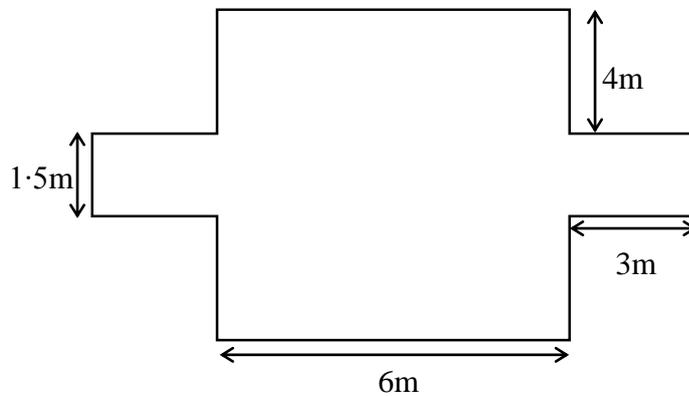
b)



c)



9) Peter thinks the perimeter of the shape below is 48 metres and Mary thinks the perimeter of the shape below is 54 metres.



The teacher says they are both wrong however, who is closer and by how many metres are they wrong?