1 (a) Write these decimals in order of size, smallest first.

0·27 **0·207** **0·772** **0·072** **0·7002**

....
Smallest Largest [2]

(b) Complete this table.

Fraction		Decimal		Percentage
$\frac{3}{5}$	=	.....	=	60%
.....	=	0·57	=	57%
.....	=	0·7	=	.....%

[3]

5

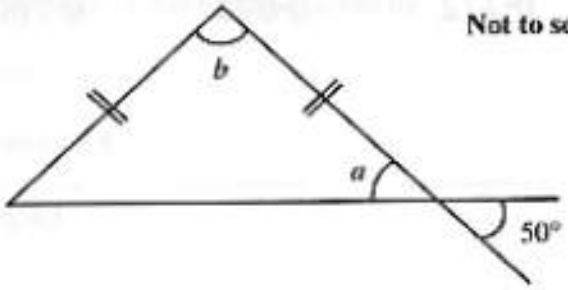
2 Kate bought some new doors for her house.
They cost £64 each.
She paid £448.

How many doors did she buy?

.....[2]

2

3 This diagram shows an isosceles triangle, with two of its sides extended.



Not to scale

Find angles a and b, giving your reasons.

a = ... ° because .....

.....[1]

b = ... ° because .....

.....

.....[3]

[4]

4 Harry and Mary make cakes using this recipe.

Makes 10 cakes

100 g butter
100 g sugar
2 eggs
150 g flour
Grated lemon rind

(a) Harry makes 30 cakes.

How many eggs does he use?

(a) .....[1]

(b) Mary uses 50 g of butter.

How many cakes does she make?

(b) .....[1]

(c) Harry decorates 24 of his cakes with cherries and the other 6 with chocolate.
Lilani chooses one of Harry's cakes at random.

What is the probability that Lilani's cake is decorated with chocolate?

(c) .....[2]

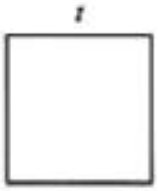
[4]

5 In this question, all the lengths are in centimetres.

(a) The perimeter, S, of this square is given by

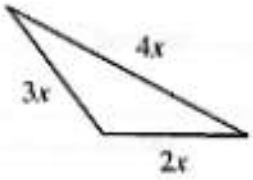
$S = 4t$.

Find S when $t = 6$.



(a) .....[1]

(b) Find a formula, in terms of x, for the perimeter, P, of this triangle.
Write your answer as simply as possible.

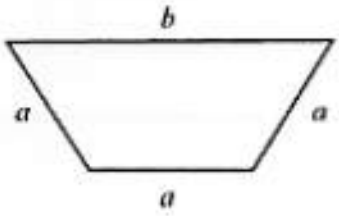


(b) .....[2]

(c) The perimeter, Q, of this trapezium is given by

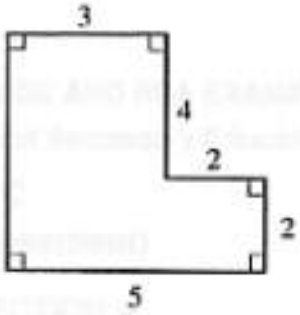
$Q = 3a + b$.

Find Q when $a = 4{\cdot}2$ and $b = 6{\cdot}1$.



(c) .....[2]

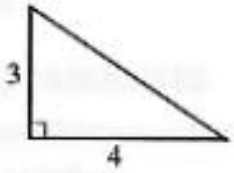
(d) Find the area of this shape.



Not to scale

(d) .....cm^2 [3]

(e) Find the area of this triangle.



Not to scale

(e) .....cm^2 [2]

10