

Estimation in context

How to ...

Margaret has some goats.

The goats produce an average total of 21.7 litres of milk for 280 days.

Margaret sells the milk in $\frac{1}{2}$ litre bottles.

Work out an estimate for the total number of bottles that Margaret will be able to fill with the milk.

You must clearly show how you got your answer

Milkproduced = 21.71	280 days	
round this to	round this to	
20 litres	300	
Total milk:	20×300 (4)

Oral much

= 6000 lutres This needs to be put into \times number of $\frac{1}{2}$ When bottles $6000 \div \frac{1}{2} \left(\text{pr} \frac{6000}{0.5} \right)$ = 12000 bottles.

Now have a go yourself

SORTED IT - work out an estimate for the following		
a) 69 X 58	b) 112 X 68	
c) 295 X 19	d) 4897 X 38	
e) 68 ÷ 1.9	f) 9.9 ÷ 4.9	
g) 58.6 ÷ 6.1	h) 577 ÷ 97.8	
NAILED IT - work out an estimate for the following		
a) 6.4 x 0.38	b) 0.49 x 0.33	
c) 12.1 x 0.128	d) 12.66 x 38	
e) 5.4 x 0.32	f) 0.48 x 0.38	
g) 0.069 x 2.7	h) 0.089 × 0.021	
MASTERED 17 work out an estimate for the following a) $\frac{48.9 \times 9.9}{11.3}$ b) $\frac{203.8}{9.8 \times 4.9}$		
c) $\frac{999.8}{5.1 \times 5.3}$	b) $\frac{9.55 \times 79.9}{11.8 \times 13.03}$	
e) <u>10.45</u> f	9.8 x 3.9 0.14	
g) <u>20.8</u> h 0.41) $\frac{6.8 \times 2.9}{0.11}$	

