

1. Work out an estimate for

<i>a</i>	$2.3 \times 8.75$		<i>e</i>	$5.801 \times 6.2$	
<i>b</i>	$5.5 \times 6.9$		<i>f</i>	$2.13 \times 8.3$	
<i>c</i>	$5.1 \times 6.4$		<i>g</i>	$5.333 \times 6.72$	
<i>d</i>	$2.5 \times 8.98$		<i>h</i>	$2.666 \times 8.1$	

You may match with

$2 \times 8$	$2 \times 9$	$3 \times 8$	$3 \times 9$	$5 \times 6$	$5 \times 7$	$6 \times 6$	$6 \times 7$
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and                      42        36        35        30        27        24        18        16

2. A teacher writes down this calculation

$$6.7 \times 1.5$$

and four possible answers.

10.05

1.005

100.5

1.5

The teacher says “One of these answers is correct”

Without doing the exact calculation, write the correct answer and explain how you know.

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3. Work out an estimate for  $8.91 \times 7.3333333$

3. ....

4. Magdalena writes down the following

$$5.9 \times 4.8 = 283.2$$

Without doing the exact calculation, explain why Magdalena’s answer cannot be correct.

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Answers 1a)  $2 \times 9 = 18$  b)  $6 \times 7 = 42$  c)  $5 \times 6 = 30$  d)  $3 \times 9 = 27$  e)  $6 \times 6 = 36$   
 f)  $2 \times 8 = 16$  g)  $5 \times 7 = 35$  h)  $3 \times 8 = 24$  2)  $7 \times 2 = 14 \approx 10.05$  3) 63 4)  $6 \times 5 = 30$  but  $283.2 \approx 300$  not 30 or Magdalena’s answer could be 28.32 but not 283.2