

1. Work out an estimate for

<i>a</i>	8.2×5.1		<i>e</i>	4.2×6.1	
<i>b</i>	8.1×2.3		<i>f</i>	7.2×9.4	
<i>c</i>	9.2×4.3		<i>g</i>	6.1×2.2	
<i>d</i>	3.4×7.1		<i>h</i>	3.4×5.3	

You may match with

3×5	3×7	4×6	6×2	7×9	8×2	8×5	9×4
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and

12 15 16 21 24 36 40 63

2. Work out an estimate for 7.2×3.3

2.

estimate SIGfig (2) Q1: a) $8 \times 5 = 40$ b) $8 \times 2 = 16$ c) $9 \times 4 = 36$ d) $3 \times 7 = 21$ e) $4 \times 6 = 24$

f) $7 \times 9 = 63$ g) $6 \times 2 = 12$ h) $3 \times 5 = 15$ Q2: 21 Q3: $5 \times 9 = 45 \approx 49.14$

Q4: $5 \times 6 = 30$ Keith's answer could be 32.33 but not 323.3 or ≈ 300 not 30

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$$5.4 \times 9.1$$

and four possible answers.

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491.4

The teacher says “One of these answers is correct”

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

.....

4. Keith writes down the following

$$5.3 \times 6.1 = 323.3$$

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

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