1.   1. . . . .

2. {Estimates are all single digit × single digit BUT all "chop" never round up}

   (a) Work out an estimate for 6.1×8.3

   (b) Maggie writes down the following

$$2.4 \times 5.1 = 1.224$$

Without doing the exact calculation, explain why Maggie's answer cannot be correct.

   (c) A teacher writes down this calculation 5.3×7.2

      and three possible answers.

       3.816   38.16   381.6

The teacher says "One of these answers is correct"

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

3. Write 2.8738 correct to 1 significant figure. ($1 \leq n \leq 10$ and $n \geq 20$ NOT a teen number)

4. {Estimates are all single digit × single digit WITH a mix of "chop" and round up}

   (a) Work out an estimate for 6.75×6.5

   (b) Ronnie writes down the following

$$6.5 \times 3.7 = 2.405$$

Without doing the exact calculation, explain why Ronnie's answer cannot be correct.

   (c) A teacher writes down this calculation 2.8×7.6

      and four possible answers.

     2128   212.8   21.28   2.128

The teacher says "One of these answers is correct"

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

5. {Estimates are single digit OR double digit x double digit OR triple digit}

Work out an estimate for 56×25

6. Write 19.25 correct to 1 significant figure. (10 < n < 20 i.e. a teen number)

7. Write 0.005834 correct to 1 significant figure. (i.e. $0 \geq n < 1$)

8. (a) Write 27359.65 correct to 2 significant figures.

   (b) Write 27359.65 correct to 3 significant figures.

9. (a) Write 0.0075936 correct to 2 significant figures.

   (b) Write 0.0075936 correct to 3 significant figures.

10.   10. . . . .

11. (a) Write 8 967.526 correct to 2 significant figures.
   (b) Write 7.9995 correct to 3 decimal places.

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