

Round to Check Answers

1. Match numbers which would add together to give an approximate answer of 1,530.

858

1,121

269

1,255

408

674

VF

4. Sandra has answered the following calculation:

$$\pounds 162.53 + \pounds 241.42 = \pounds 403.95$$

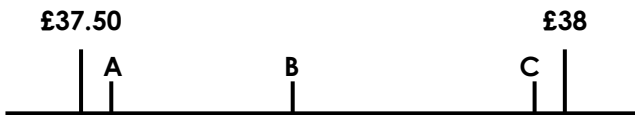
Use an approximate calculation to explain whether Sandra's answer is likely to be correct.

R

2. Which mark on the number line below shows approximately 47,200?



Which mark on the number line below shows approximately £37.52?



VF

5. I am thinking of a number.

- When rounded to the nearest 10 and nearest 100, the number rounds up.
- When it rounds to the nearest 1,000 it rounds down.
- It is a number between 15,000 and 16,000.

Find 4 possibilities each with a different hundreds digit.

PS

3. Estimate the answers to the following calculations:

A. $11,128 + 49,820$

B. $41,556 - 27,402$

C. $\pounds 72.21 + \pounds 13.45$

VF

6. Duke is saving up to buy a new game console that costs £349.99.

He has saved £276.12 over four months.

He will be able to save another 205.34 over the next six months.

He estimates that he will have enough to buy his new console with approximately £150 left over.

Is he correct? Prove it.



PS

Round to Check Answers

1. 858 and 674; 408 and 1,121; 269 and 1,255
2. B; A
3. A. 60,950; B. 14,160; C. £85.70 (answers may vary depending on what the numbers have been rounded to).
4. Sandra's answer is likely to be correct. If £162.53 is rounded to the nearest ten (£160) and £241.42 is rounded to the nearest ten (£240), then $£160 + £240 = £400$ which is approximately correct.
5. Various answers for example: 15,189; 15,456; 15,379; 15,066. The tens and ones digit must be 5 or above and the hundreds digit must be below 5.
6. Duke's estimation is incorrect. If he rounds to the nearest £10, Duke has saved £280 + £210. This is a total saving of £490. If he then buys the console for £350, he will have £140 left over.