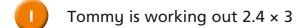


Formal methods: multiply decimals



Tens	Ones	Tenths		
		0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		

a) Use Tommy's method to work out the answer.

b)	Use a place value	chart and	counters to	work o	ut these cal	culations.

a) Work out 38 × 7

b) Use your answer to work out these calculations.

c) Compare answers with a partner. Discuss the method that you used.



3 Amir is working out 1.7 × 28

How can Amir use this working to calculate 1.7×28 ?

Explain your reasoning.





I know that $2 \times 4 = 8$. I multiplied each number in the question by 10, so I'll divide 8 by 10. The answer is 0.8

a) Is Alex correct? ______

Explain your answer.

b) Work out these calculations in your head.

- Estimate the answers by rounding to one significant figure.

 Then work out the calculations.
 - **a)** 2.1 × 39

c) 8.3 × 0.42

estimate

answer

answer

b) 5.7 × 0.6

d) 4.09 × 8.7

estimate

estimate

answer

answer



$$723 \times 84 = 60,732$$

Use this information to fill in the missing numbers.

Mr Johns needs four different lengths of pipe.

2.8 m

4.1 m

1.6 m

0.4 m

The pipe costs £1.34 per metre.

Work out the total cost of the pipes Mr Johns needs to buy.

Round your answer to the nearest penny.

8 The 1st term in a sequence is 3

The term-to-term rule is × 3.2 then + 1

Find the next two terms in the sequence.

2nd term = 3rd term =