

31.1.22

Can you add decimals?

2 Max says $\frac{30}{50}$ in its simplest form is $\frac{15}{25}$

Is Max correct?

Yes

No

Explain your answer.

What is a decimal?

Which is larger?

5.72

5.389

0.231

0.56

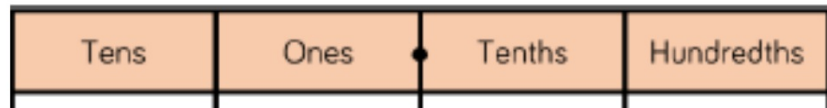
38.6

38.091

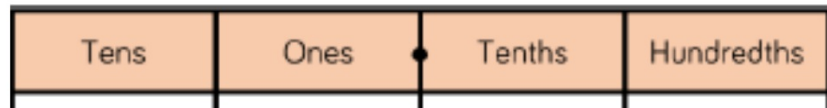
How do you know?

How do you add decimals?

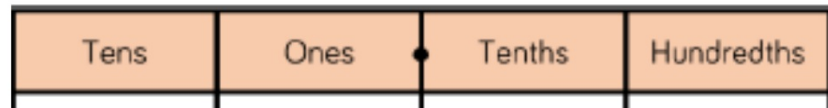
$$4.1 + 3.2 =$$



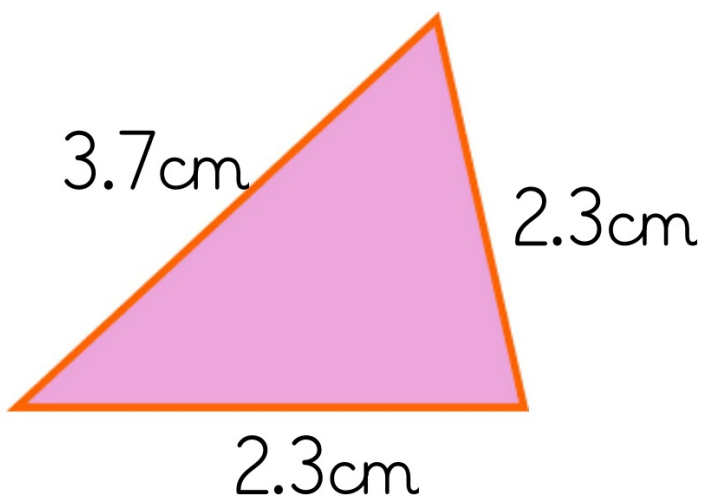
$$15.9 + 3.4 =$$



$$7.02 + 2.17 =$$



What is the perimeter of this triangle?



You do.

Complete the additions using column addition.

Draw a place value chart if it helps.

$$8.04 + 6.1 =$$

$$6.47 + 3.02 =$$

$$7.21 + 8.51 =$$

$$3.99 + 4.76 =$$

$$5.6 + 6.07 =$$

Use a number line to add

$$8.23 + 0.77 =$$

$$5.81 + 0.19 =$$

$$4.32 + 0.68 =$$

How can we use a number line to work out the missing number?

$$2.63 + \underline{\quad\quad\quad} = 3$$

$$4.56 + \underline{\hspace{2cm}} = 5$$

$$6.72 + \underline{\hspace{2cm}} = 7$$

Use a number line to calculate the missing number.

$8.42 + \boxed{} = 9$

$6.29 + \boxed{} = 7$

$5.81 + \boxed{} = 6$

$4.14 + \boxed{} = 5$

$3.37 + \boxed{} = 4$

$7.76 + \boxed{} = 8$

$8.5 + \boxed{} = 9$

$6.3 + \boxed{} = 7$

$5.9 + \boxed{} = 6$

$4.2 + \boxed{} = 5$

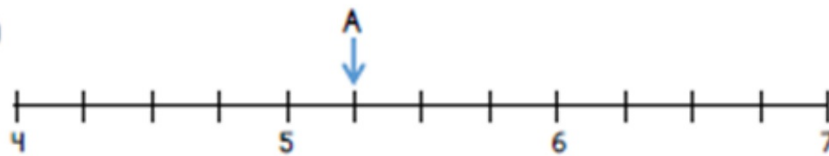
$3.4 + \boxed{} = 4$

$7.8 + \boxed{} = 8$

1.2.22

Can you subtract decimals?

3



What number is the arrow pointing to?

Draw an arrow to the number that is $\frac{3}{4}$ less than A.

What number is $\frac{1}{2}$ greater than A?

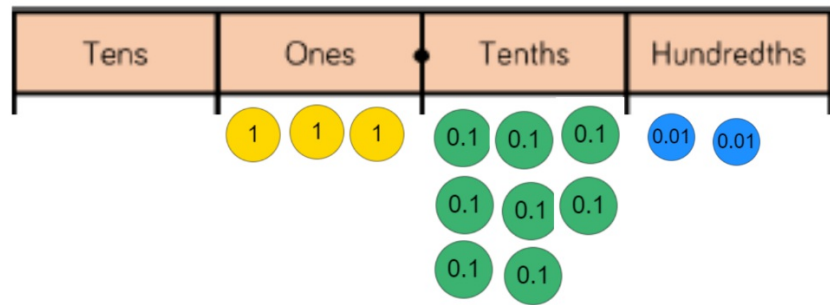
What is a decimal?

How can you solve this

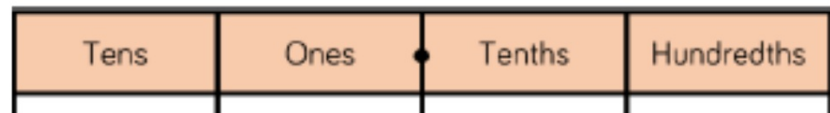
$$4.6 - 1.99 =$$

$$3.82 - 0.3 =$$

$$\begin{array}{r} 3.82 \\ - 0.3 \\ \hline \end{array}$$



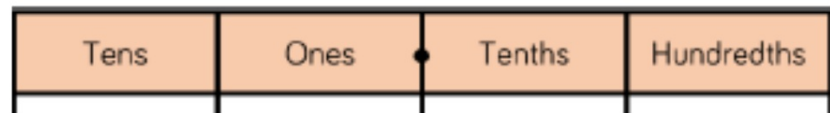
$$3.82 - 0.3 =$$



How can we use a number line to calculate?
 $3.82 - 0.3 =$

Which method do you prefer?

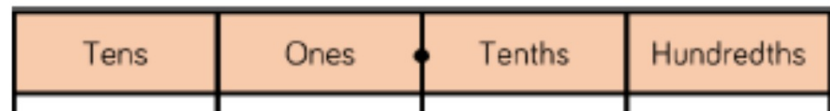
$$41.37 - 20.04$$



Use a number line to calculate

$$41.37 - 20.04 =$$

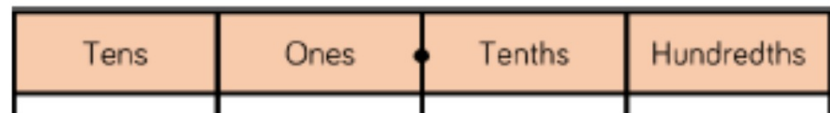
$$4.6 - 1.99$$



Use a number line to calculate

$$4.6 - 1.99$$

$$13.66 - 5.99$$



Use a number line

$$13.66 - 5.99 =$$

Task

Use column addition and a number line to calculate.

$13.2 - 9.6 =$

$58.39 - 16.04 =$

$40.13 - 7.99 =$

$22.3 - 18.8 =$

$11.27 - 4.99 =$

$85.66 - 30.0 =$

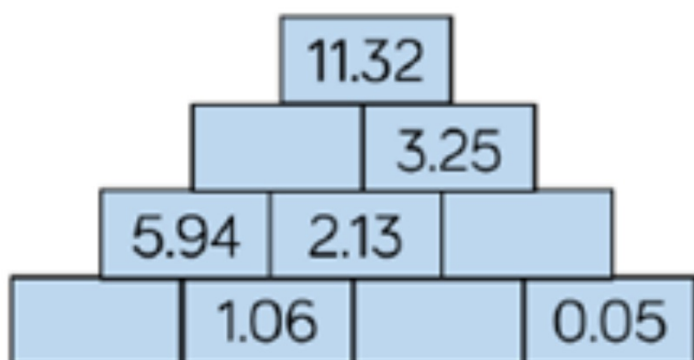
Which method do you prefer and why?

Extension

Which 2 numbers can you subtract to make 4.35?

Can you find 3 different ways?

In this number pyramid, each number is calculated by adding the two numbers underneath.



20.1.21

How do you subtract a decimal number from a whole number?

4 Tick the statements that are true.

$\frac{3}{5}$ is greater than $\frac{3}{7}$

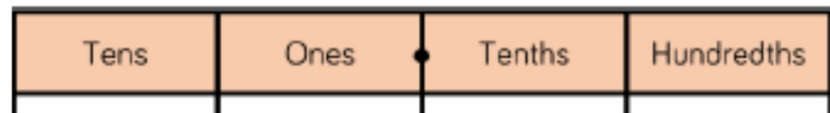
$1\frac{3}{8}$ is less than $\frac{7}{8}$

$\frac{2}{8}$ is equal to $\frac{5}{20}$

$2\frac{1}{4}$ is greater than $\frac{11}{4}$

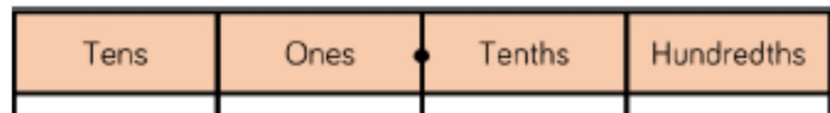
$$7 - 3.4 =$$

$$7 - 3.4 =$$



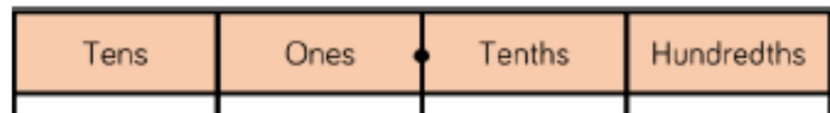
$$5 - 2.7 =$$

$$5 - 2.7 =$$



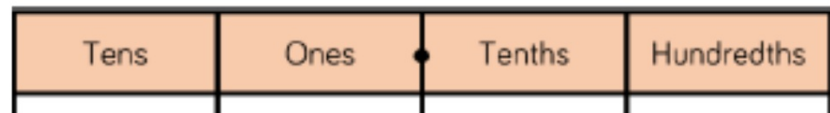
$$3 - 1.2 =$$

$$3 - 1.2 =$$



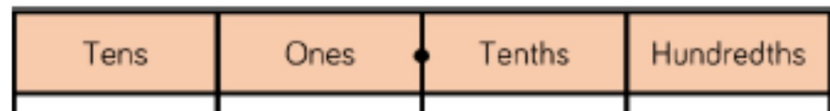
$$4 - 2.81 =$$

$$4 - 2.81 =$$



$$7 - 2.25 =$$

$$7 - 2.25 =$$



Task

Use column subtraction and a number line to calculate

$$5 - 3.1 =$$

$$6 - 4.9 =$$

$$7 - 3.6 =$$

$$8 - 7.1 =$$

$$8 - __ = 2.1$$

$$__ - 3.4 = 3.6$$

$$7 - 2.91 =$$

$$6 - 3.42 =$$

$$5 - 2.58 =$$

$$7 - 5.04 =$$

$$7 - __ = 5.67$$

$$__ - 2.11 = 2.89$$

Extension

How many different ways can you make 7 by adding together 2 numbers with 2 decimal places.

