Adding decimals with the same number of decimal places
(1) Complete the additions.

Use the place value charts to help you.
a) $4.45+3.21=$

b) $4.45+3.61=\square$

c) $4.45+3.78=\square$


Which calculation was easier? Talk about it with a partner.

Use the column method to work out the additions.
a)


b)

f)

c)


d)



Work out the calculations.
Write <, > or = to make the statements correct.
a) $0.64+4.79$
 $5.01+0.23$
b) $7.427+3.238$
 $5.427+5.832$
c) $\quad 3.08+4.63$
 $4.84+2.87$

Teddy is working out the total cost of these items.


Here are his workings.


Talk to a partner about Teddy's mistake.
Work out the correct answer.

5
Work out the perimeter of the shape

## $4.5 \mathrm{~cm} \xlongequal{\square}$

perimeter $=$ $\square$

6 Complete the number line.

(7)

Eva starts with the number 1.62


Is Rosie correct? $\qquad$
Talk about it with a partner.

Subtracting decimals with the same number of decimal places

Use a place value chart and counters to help you complete the subtractions.

a) $14.83-12.12=$ $\qquad$
c) $14.83-12.92=\square$
b) $14.83-12.14=$ $\square$
d) $14.83-12.94=$ $\square$
e) Which calculation was easier? Talk about it with a partner.
f) What happens when you don't have enough counters in a column to take away?
$\qquad$
3 Annie is calculating 2.42 - 1.17 using the column method.
She uses a place value chart to help her.


How does the place value chart support the column method? Talk about it with a partner.

4 Complete the column subtractions.

c)

b)

d)


Whitney has $£ 8.52$
She buys this comic.
How much money does she have left?



Here are some items for sale in a shop.

a) How much more does a scarf cost than a bag of marbles?
b) Esther has $£ 15.31$

She buys a pair of headphones and a bag of marbles.
How much money does she have left?
c) Tom has $£ 7.01$
$\square$

He buys one item and has $£ 5.92$ left.
What did he buy?


7 Ron and Dora are doing a sponsored walk.
Ron walks 3.12 miles.
Dora walks 5.49 miles.
How much further does Dora walk than Ron?
Dora walks $\square$ miles further than Ron.

8 Tommy has three pieces of string.

- The first piece is 0.78 m long.
- The second piece is 0.24 m shorter than the first piece.
- The third piece is 0.07 m shorter than the second piece.

What is the total length of all three pieces of string?
Give your answer in metres and centimetres.

$$
\square \mathrm{m} \text { and } \square
$$ cm

$9 \mathrm{~A}, \mathrm{~B}$ and $C$ are points on a number line.

How much greater is the difference between $A$ and $C$ than the difference between $B$ and $C$ ?
$\square$
Compare methods with a partner.


$\qquad$ -.

Adding decimals with a different number of decimal placesRon is adding 1.4 and 2.53
He makes each number with counters.

| Ones | Tenths | Hundredths |  |
| :--- | :--- | :--- | :--- |
| 0 | 0 |  |  |
|  |  |  |  |

a) What is the answer to Ron's calculation?

b) Explain your method to a partner.
c) Did you have to make an exchange? $\qquad$

2 Work out the additions.

b)

d)


Filip is adding two numbers together.

He writes it as a column addition.
a) What mistake has Filip made?
b) Use the column method to work out the correct answer.


4 Use the column method to work out the additions.
a) $2.36+1.9$
b) $14.82+3.7$


a) $0.59+11.9$
c) $0.591+1.73$

b) $77.34+1.82$

d) $3.2+1.84+0.931$


6 Mr Hall drives from point $A$ to point $B$, then on to point $C$


What is the total distance that Mr Hall drives?
7) Here are four number cards.
a) What is the greatest total you can make by adding two of the numbers?

Complete the calculation.
$\square$ +

$\square$
b) What is the sum of the four numbers?
(8) Work out the missing digits.
a) $\_-4.3+1 \_.37=39.67$
b) $4.8 \_+$
 $=12.65$
(9) The total mass of the two boxes is 10.85 kg . What could the mass of each box be?


How many answers can you find?
$\square$

Subtracting decimals with a different number of decimal places

Use the place value chart to help you work out the subtractions.

a)

b)

(2)

Alex is using counters to help her work out 4.7 - 1.35


Do you agree with Alex? $\qquad$
Talk about it with a partner.

b) $73.84-9.2$

c)

b)

d)


4 Use the column method to work out the subtractions.
a) $13.59-1.82$

c) $5.6-1.39$

d) $18.2-3.64$


A plank of wood measures 2.6 m
A carpenter cuts a piece of wood from the plank that is 0.52 m long.

a) What is the length of the remaining plank?

m
b) The carpenter cuts a second piece of wood from the plank.

She now has 0.3 m of the plank remaining.
What is the length of the second piece of wood that she cut?

m

6 The mass of a bag of marbles is 54.3 g .
These two marbles are removed from the bag.

What is the mass of the bag of marbles now?
$\square$ g

Work out the missing digits.
__3.4-2.5__ = 10.81

8 Use the column method to work out the subtractions.
a) 14 - 2.7
d) $26-3.91$

b) $8-3.65$

e) $25-3.842$

c) $20-2.85$

f) $90-0.821$


