

# Maths sheets – Yr5

(Maths sheet 1) w/c 27 April

**Adding decimals with the same number of decimal places**

1 Complete the additions.  
Use the place value charts to help you.

a)  $4.45 + 3.21 = 7.66$

Ones	Tenths	Hundredths
4	4	5
3	2	1
+		
7	6	6

b)  $4.45 + 3.61 = 8.06$

Ones	Tenths	Hundredths
4	4	5
3	6	1
+		
8	0	6

c)  $4.45 + 3.78 = 8.23$

Ones	Tenths	Hundredths
4	4	5
3	7	8
+		
8	2	3

2 Use the column method to work out the additions.

a)  $5.3 + 2.5 = 7.8$

e)  $3.102 + 5.876 = 8.978$

b)  $6.03 + 3.91 = 9.94$

f)  $1.2034 + 9.227 = 21.261$

c)  $2.32 + 1.017 = 3.337$

g)  $5.75 + 5.32 = 11.07$

d)  $6.37 + 6.26 = 12.63$

h)  $1.499 + 1.237 = 2.736$

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

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Work out the calculations.  
Write  $<$ ,  $>$  or  $=$  to make the statements correct.

a)  $0.64 + 4.79 = 5.43$   $5.01 + 0.23 = 5.24$

b)  $7.427 + 3.238 = 10.665$   $5.427 + 5.832 = 11.259$

c)  $3.08 + 4.63 = 7.71$   $4.84 + 2.87 = 7.71$

4 Teddy is working out the total cost of these items.

Here are his workings.

~~$5.75$~~   
 $5.750$   
 $+ 11.20$   
 $68.70$

$5.750$   
 $+ 11.200$   
 $68.700$

Talk to a partner about Teddy's mistake.  
Work out the correct answer. *Teddy didn't put 0 the end of 5.75 because as it is a 0 doesn't mean anything but actually it's a place holder.*

5 Work out the perimeter of the shape.

$18.6 + 9.0 = 27.6$

perimeter =  $27.6$  cm

6 Complete the number line.

$3.65 + 1.78 = 5.43$   $5.43 + 1.78 = 7.21$   $7.21 + 1.78 = 8.99$

7 Eva starts with the number 1.62

Eva:  $2.8$   
 $- 1.62$   
 $1.22$

Rosie: I added a number and got 2.8

Rosie: This is impossible as  $2.80$  only has one digit after the decimal.

Is Rosie correct? NO the answer is no because there is a 0 after the 8 it just hasn't been shown.

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# Maths sheets – Yr5

## (Maths sheet 2) w/c 27 April

**Subtracting decimals with the same number of decimal places**

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

Tens	Ones	Tenths	Hundredths
	1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1

a)  $14.83 - 12.12 = 2.71$  ✓    c)  $14.83 - 12.92 = 1.91$  ✓  
 b)  $14.83 - 12.14 = 2.69$  ✓    d)  $14.83 - 12.94 = 1.89$  ✓

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?  
You borrow one from the next column and count it as a ten.

2 Complete the sentences.  
 1 ten can be exchanged for 10 ones. ✓  
 1 one can be exchanged for 10 tenths. ✓  
 1 tenth can be exchanged for 10 hundredths. ✓

3 Annie is calculating  $2.42 - 1.17$  using the column method. She uses a place value chart to help her.

Ones	Tenths	Hundredths
2	4	2
- 1	1	7
1	2	5

How does the place value chart support the column method? Talk about it with a partner. It supports because it shows each value in a column format.

4 Complete the column subtractions.

a) 
$$\begin{array}{r} 5 \cdot 6 \cdot 4 \\ - 3 \cdot 1 \cdot 2 \\ \hline 2 \cdot 5 \cdot 2 \end{array}$$

c) 
$$\begin{array}{r} 7 \cdot 8 \cdot 0 \cdot 9 \\ - 3 \cdot 8 \cdot 1 \\ \hline 4 \cdot 2 \cdot 8 \end{array}$$

b) 
$$\begin{array}{r} 5 \cdot 6 \cdot 4 \\ - 3 \cdot 1 \cdot 5 \\ \hline 2 \cdot 4 \cdot 9 \end{array}$$

d) 
$$\begin{array}{r} 1 \cdot 2 \cdot 0 \cdot 2 \\ - 1 \cdot 1 \cdot 3 \cdot 8 \\ \hline 0 \cdot 0 \cdot 6 \cdot 4 \end{array}$$

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

Comic: **RoboBoy** £3.25

$$\begin{array}{r} 8.52 \\ - 3.25 \\ \hline 5.27 \end{array}$$

6 Here are some items for sale in a shop.

Marbles: £2.27    Headphones: £9.10    Scarf: £4.91    Waterbottle: £1.09

a) How much more does a scarf cost than a bag of marbles?  

$$\begin{array}{r} 4.91 \\ - 2.27 \\ \hline 2.64 \end{array}$$
 £2.64

b) Esther has £15.31. She buys a pair of headphones and a bag of marbles. How much money does she have left?  

$$\begin{array}{r} 15.31 \\ - 9.10 \\ - 2.27 \\ \hline 3.94 \end{array}$$
 £3.94

c) Tom has £7.01. He buys one item and has £5.92 left. What did he buy?  

$$\begin{array}{r} 7.01 \\ - 5.92 \\ \hline 1.09 \end{array}$$
 ✓  
 Tom bought Waterbottle ✓

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 2.37 miles further than Ron.

$$\begin{array}{r} 5.49 \\ - 3.12 \\ \hline 2.37 \end{array}$$

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.  

$$\begin{array}{r} 0.78 \\ 0.24 \\ 0.54 \\ \hline 1.56 \end{array}$$
 ✓  

$$\begin{array}{r} 0.78 \\ 0.54 \\ 0.47 \\ \hline 1.79 \end{array}$$
 ✓  
1 m and 79 cm

9 A, B and C are points on a number line.

A: 118.76    B: 159.72    C: 186.34

How much greater is the difference between A and C than the difference between B and C?  

$$57.58 - A - C = 57.58 - 118.76 - 186.34 = -147.52$$
  

$$73.38 - B - C = 73.38 - 159.72 - 186.34 = -272.68$$
  
 Compare methods with a partner. 30.96 ✓

# Maths sheets – Yr5

(Maths sheet 3) w/c 27 April

**Adding decimals with a different number of decimal places**

1 Ron is adding 1.4 and 2.53. He makes each number with counters.

Ones	Tenths	Hundredths
●	●●	●●●
●●	●●●	●●●●

a) What is the answer to Ron's calculation? **3.93**

b) Explain your method to a partner.

c) Did you have to make an exchange? **NO**

2 Work out the additions.

a) 
$$\begin{array}{r} 3 + 0.2 \\ + 1 + 6.0 \\ \hline 4.62 \end{array}$$

b) 
$$\begin{array}{r} 13 + 5.0 \\ + 0 + 2.3 \\ \hline 13.73 \end{array}$$

c) 
$$\begin{array}{r} 2 + 8.0 \\ + 3 + 4.5 \\ \hline 6.25 \end{array}$$

d) 
$$\begin{array}{r} 0 + 1.5 \\ + 1 + 3.9 \\ \hline 2.05 \end{array}$$

3 Filip is adding two numbers together. He writes it as a column addition.

$$\begin{array}{r} 13.8 \\ + 1.95 \\ \hline 3.33 \\ \hline 1.1 \end{array}$$

a) What mistake has Filip made?  
**He hasn't placed the columns correctly, the decimals need to be together.**

b) Use the column method to work out the correct answer.

$$\begin{array}{r} 13.80 \\ + 1.95 \\ \hline 15.75 \end{array}$$

4 Use the column method to work out the additions.

a)  $2.36 + 1.9 = 4.26$

b)  $14.82 + 3.7 = 18.52$

5 Use the column method to work out the additions.

a)  $0.59 + 11.9 = 12.49$

b)  $77.34 + 1.82 = 79.16$

c)  $0.591 + 1.73 = 2.321$

d)  $3.2 + 1.84 + 0.931 = 5.971$

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

What is the total distance that Mr Hall drives?

$$\begin{array}{r} 103.6 \\ + 72.5 \\ \hline 176.1 \end{array}$$

7 Here are four number cards.

3.8	4.19	0.72	11.46
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a) What is the greatest total you can make by adding two of the numbers?  
Complete the calculation.

$$\begin{array}{r} 11.46 \\ + 4.19 \\ \hline 15.65 \end{array}$$

**11.46 + 4.19 = 15.65**

b) What is the sum of the four numbers?

$$11.46 + 4.19 + 3.8 + 0.72 = 20.17$$

8 Work out the missing digits.

a)  $2.43 + 15.37 = 39.67$

b)  $4.82 + 7.85 = 12.65$

9 The total mass of the two boxes is 10.85 kg. What could the mass of each box be?

3.0 kg	7.85 kg	= 10.85
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How many answers can you find?

# Maths sheets – Yr5

(Maths sheet 4) w/c 27 April

**Subtracting decimals with a different number of decimal places**

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

Ones	Tenths	Hundredths
●●●	●●●	●●●●●●

a) 
$$\begin{array}{r} 5.36 \\ - 1.20 \\ \hline 4.16 \end{array}$$

b) 
$$\begin{array}{r} 4.36 \\ - 3.50 \\ \hline 0.86 \end{array}$$

c) 
$$\begin{array}{r} 5.36 \\ - 3.80 \\ \hline 1.56 \end{array}$$

d) 
$$\begin{array}{r} 5.36 \\ - 4.70 \\ \hline 0.66 \end{array}$$

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

I can't do this as I don't have any hundredths counters.

Do you agree with Alex? NO because you can use alternatives. Talk about it with a partner. It can be anything.

3 Complete the subtractions.

a) 
$$\begin{array}{r} 2.36 \\ - 1.40 \\ \hline 0.96 \end{array}$$

b) 
$$\begin{array}{r} 5.15 \\ - 3.80 \\ \hline 2.35 \end{array}$$

c) 
$$\begin{array}{r} 7.10 \\ - 1.15 \\ \hline 6.15 \end{array}$$

d) 
$$\begin{array}{r} 2.40 \\ - 0.312 \\ \hline 2.128 \end{array}$$

4 Use the column method to work out the subtractions.

a)  $13.59 - 1.82 = 11.77$

b)  $73.84 - 9.2 = 64.64$

c)  $5.6 - 1.39 = 4.21$

d)  $18.2 - 3.64 = 14.56$

A plank of wood measures 2.6 m.

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

7 Work out the missing digits.

$$\begin{array}{r} 13.40 \\ - 02.59 \\ \hline 10.81 \end{array}$$

8 Use the column method to work out the subtractions.

a)  $14 - 2.7 = 11.30$

b)  $8 - 3.65 = 4.35$

c)  $20 - 2.85 = 17.15$

d)  $26 - 3.91 = 22.09$

e)  $25 - 3.842 = 21.158$

f)  $90 - 0.821 = 89.179$

9 a) What is the length of the remaining plank?

$$\begin{array}{r} 2.60 \\ - 0.52 \\ \hline 2.08 \end{array}$$

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?

$$\begin{array}{r} 2.08 \\ - 1.78 \\ \hline 0.30 \end{array}$$

10 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?

$$\begin{array}{r} 54.30 \\ - 21.74 \\ \hline 32.56 \end{array}$$