

Tuesday 22nd June 2020

XXII VI MMXX

Hello my amazing mathematicians!

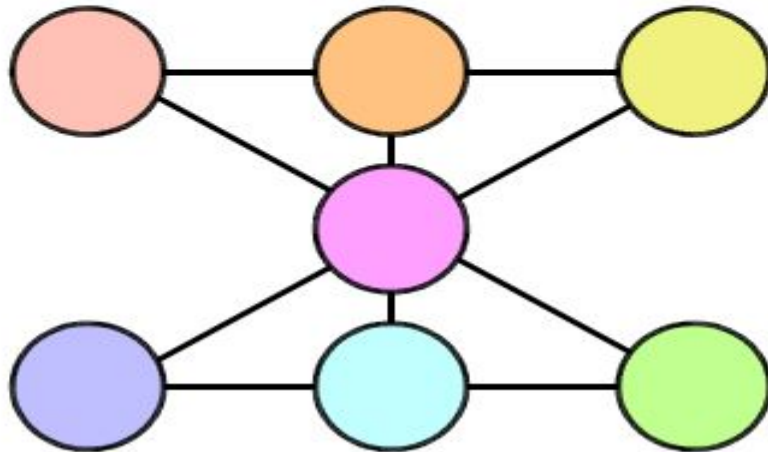
We are going to begin with a maths challenge.

Challenge mat 1

Number Lines 1

☆☆ 13

**Can you put the numbers 1 to 7
in each circle so that the total
of every line is 12?**



When placing the numbers did you think about their worth?

Did you start with placing the smallest or the largest numbers first?

For the main task we are going to continue to work from the White Rose site. We are going to subtract decimals with a different number of decimal places

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

Then click Year 5

Summer Term Plans
White Rose Maths in partnership with the BBC News24 Daily team has developed a 12-week learning programme for the summer term. This scheme is designed to help children be ready for their next year of school.
[Click here for more details](#)

Hello there, Parents and Carers!

As schools worldwide close for now in response to COVID-19, you might be wondering how best to help your child or children with their studies at home.

Always happy to help, the White Rose Maths Team has prepared a series of five maths lessons for each year group from Year 1-5. We will be adding five more each week for the next few weeks. Every lesson comes with a short video showing you clearly and simply how to help your child to complete the activity successfully.

Home Learning

- Summer Term
- Easter Fun
- Home Learning - Early Years
- Home Learning - Year 1
- Home Learning - Year 2
- Home Learning - Year 3
- Home Learning - Year 4
- Home Learning - Year 5
- Home Learning - Year 6
- Home Learning - Year 7
- Home Learning - Year 8
- Home Learning - Year 9
- Home Learning - Year 10

Year Group Buttons: Early Years, Year 1, Year 2, Year 3, Year 4, Year 5, Year 6, Year 7, Year 8, Year 9, Year 10, By Topic

← click

Click

First, watch the video to support your learning and use it to work on the activity sheets below.

Lesson 2 - Subtracting decimals with a different number of decimal places

Subtracting decimals - different number of DP

$6.73 - 1.3 = 5.43$

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 6 | 7 | 3 |
| 1 | 3 | |
| 5 | 4 | 3 |

07:01

Looking for the worksheets? Contact your child's check if they have a subscription to our worksheet. Alternatively, [read more here](#) or get some extra practice from [BBC Bitesize](#).

Already covered this content?

[Click here to find an alternative plan.](#)

Now complete the worksheet below.

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)
$$\begin{array}{r} 5.36 \\ - 1.2 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5.36 \\ - 3.5 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 5.36 \\ - 3.8 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 5.36 \\ - 4.7 \\ \hline \end{array}$$

- 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? _____

Talk about it with a partner.

- 3 Complete the subtractions.

a)
$$\begin{array}{r} 2.36 \\ - 1.4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 7.3 \\ - 1.15 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6.15 \\ - 3.8 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 2.44 \\ - 3.12 \\ \hline \end{array}$$

- 4 Use the column method to work out the subtractions.

a) $13.59 - 1.82$

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c) $5.6 - 1.39$

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b) $73.84 - 9.2$

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d) $18.2 - 3.64$

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- 5 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?

 g

- 7 Work out the missing digits.

$$_ _ 3.4 - 2.5 _ = 10.81$$

- 8 Use the column method to work out the subtractions.

a) $14 - 2.7$

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d) $26 - 3.91$

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b) $8 - 3.65$

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e) $25 - 3.842$

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c) $20 - 2.85$

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f) $90 - 0.821$

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Answers

Subtracting decimals with a different number of decimal places

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



a)
$$\begin{array}{r} 5.36 \\ - 1.2 \\ \hline 4.16 \end{array}$$

b)
$$\begin{array}{r} 5.36 \\ - 3.5 \\ \hline 1.86 \end{array}$$

c)
$$\begin{array}{r} 4.36 \\ - 3.8 \\ \hline 1.56 \end{array}$$

d)
$$\begin{array}{r} 4.36 \\ - 4.7 \\ \hline 0.66 \end{array}$$

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

Talk about it with a partner.

3 Complete the subtractions.

a)
$$\begin{array}{r} 2.36 \\ - 1.4 \\ \hline 0.96 \end{array}$$

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

b)
$$\begin{array}{r} 5.15 \\ - 3.8 \\ \hline 2.35 \end{array}$$

d)
$$\begin{array}{r} 2.40 \\ - 3.12 \\ \hline 21.28 \end{array}$$

4 Use the column method to work out the subtractions.

a) $13.59 - 1.82$

$$\begin{array}{r} 2 \\ 13.59 \\ - 1.82 \\ \hline 11.77 \end{array}$$

c) $5.6 - 1.39$

$$\begin{array}{r} 5.60 \\ - 1.39 \\ \hline 4.21 \end{array}$$

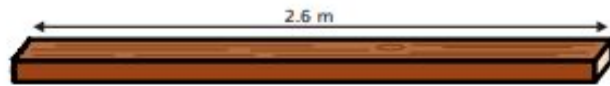
b) $73.84 - 9.2$

$$\begin{array}{r} 6 \\ 73.84 \\ - 9.2 \\ \hline 64.64 \end{array}$$

d) $18.2 - 3.64$

$$\begin{array}{r} 18.20 \\ - 3.64 \\ \hline 14.56 \end{array}$$

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

m

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

g

- 7 Work out the missing digits.

$$\underline{1}3.4 - 2.5\underline{9} = 10.81$$

- 8 Use the column method to work out the subtractions.

a) $14 - 2.7$

| | | | | |
|---|---|--------------|---|--|
| | | | | |
| | 1 | 4 | 0 | |
| - | | 2 | 7 | |
| | 1 | 1 | 3 | |

d) $26 - 3.91$

| | | | | |
|---|---|--------------|---|---|
| | | | | |
| | 2 | 6 | 0 | |
| - | | 3 | 9 | 1 |
| | 2 | 2 | 0 | 9 |

b) $8 - 3.65$

| | | | | |
|---|--------------|---|---|--|
| | | | | |
| | 8 | 0 | 0 | |
| - | 3 | 6 | 5 | |
| | 4 | 3 | 5 | |

e) $25 - 3.842$

| | | | | | |
|---|---|--------------|---|---|---|
| | | | | | |
| | 2 | 5 | 0 | 0 | |
| - | | 3 | 8 | 4 | 2 |
| | 2 | 1 | 1 | 5 | 8 |

c) $20 - 2.85$

| | | | | |
|---|--------------|---|---|---|
| | | | | |
| | 2 | 0 | 0 | 0 |
| - | | 2 | 8 | 5 |
| | 1 | 7 | 1 | 5 |

f) $90 - 0.821$

| | | | | | |
|---|--------------|---|---|---|---|
| | | | | | |
| | 9 | 0 | 0 | 0 | |
| - | | 0 | 8 | 2 | 1 |
| | 8 | 9 | 1 | 7 | 9 |

Challenge answer

13. Number Lines 1

You could give the hint that the centre digit is 4.

