

Year 6 Learning Grid November

Please remember to read every single day. If you complete all of the tasks for each day remember to use your login cards to explore Espresso, Purple MASH and Charanga to complete extra tasks and play learning games.

The Right of the fortnight <https://www.unicef.org.uk/rights-respecting-schools/resources/teaching-resources/guidance-assemblies-lessons/article-of-the-week/>)

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	<u>Day 5</u>
<p align="center"><u>English</u></p> <p>30mins – Reading Lessons on ‘Reading Plus’ or ‘Bug Club’.</p> <p>15mins - reading your school reading book/home reading book.</p> <p>10mins - practicing spellings on spelling shed.</p> <p>40mins - writing activity Research our author for this half term, Frank Cottrell-Boyce. Find key facts about his life and his books that have been published as well as any films or plays he has written.</p>	<p align="center"><u>English</u></p> <p>30mins - Reading Lessons on ‘Reading Plus’ or ‘Bug Club’.</p> <p>15mins - reading your school reading book/home reading book.</p> <p>10mins - practicing spellings on spelling shed.</p> <p>40mins - writing activity Use your research from yesterday to write up a short biography of the author</p>	<p align="center"><u>English</u></p> <p>30mins - Reading Lessons on ‘Reading Plus’ or ‘Bug Club’.</p> <p>15mins - reading your school reading book/home reading book.</p> <p>10mins - practicing spellings on spelling shed.</p> <p>40mins - writing activity Research Frank Cottrell-Boyce’s children’s books. Research the books written by last half terms author, Michael Morpurgo. Make a list of similarities and differences.</p>	<p align="center"><u>English</u></p> <p>30mins - Reading Lessons on ‘Reading Plus’ or ‘Bug Club’.</p> <p>15mins - reading your school reading book/home reading book.</p> <p>10mins - practicing spellings on spelling shed.</p> <p>30mins - writing activity Write up your research lists from yesterday to create a discussion document to compare and contrast the two authors.</p>	<p align="center"><u>English</u></p> <p>30mins - Reading Lessons on ‘Reading Plus’ or ‘Bug Club’.</p> <p>15mins - reading your school reading book/home reading book.</p> <p>10mins - practicing spellings on spelling shed.</p> <p>20mins - writing activity Write a paragraph to persuade Mr Mullen and Miss McDonald which book we should read next for our dream time book.</p>

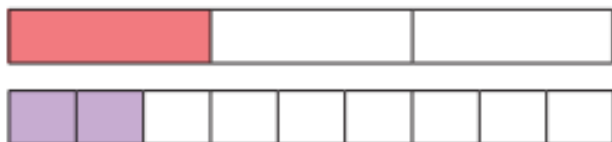
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<p align="center"><u>Maths</u></p> <p>30mins – Go to the following Webpage https://whiterosemaths.com/homelearning/year-6/week-10-number-fractions/</p> <p>Click video 1. Follow the learning and complete the worksheet attached.</p> <p>20mins – maths shed practising key skills</p>	<p align="center"><u>Maths</u></p> <p>30mins - Go to the following Webpage https://whiterosemaths.com/homelearning/year-6/week-10-number-fractions/</p> <p>Click video 2. Follow the learning and complete the worksheet attached.</p> <p>20mins – maths shed practising key skills</p>	<p align="center"><u>Maths: Reasoning</u></p> <p>30mins - Go to the following Webpage https://whiterosemaths.com/homelearning/year-6/week-10-number-fractions/</p> <p>Click video 3. Follow the learning and complete the worksheet attached.</p> <p>20mins – maths shed practising key skills</p>	<p align="center"><u>Maths: Reasoning</u></p> <p>30mins - Go to the following Webpage https://whiterosemaths.com/homelearning/year-6/week-10-number-fractions/</p> <p>Click video 4. Follow the learning and complete the worksheet attached.</p> <p>20mins – maths shed practising key skills</p>	<p align="center"><u>Maths: Reasoning</u></p> <p>30mins - Go to the following Webpage https://whiterosemaths.com/homelearning/year-6/week-10-number-fractions/</p> <p>Click video 5. Follow the learning and complete the worksheet attached.</p> <p>20mins – maths shed practising key skills</p>
<p><u>Art (Architecture)</u></p> <p>30mins Research famous local buildings. Sketch one of them and explain why you chose to draw it.</p>	<p><u>MFL</u></p> <p>30mins Research the colours: red, blue, green, yellow, white, black, brown, pink and orange in French, Spanish and Italian. Can you spot any similarities?</p>	<p><u>Computing</u></p> <p>30mins Write a set of instructions to help people create a safe username and password for each app/site they use.</p>	<p><u>Science (Light)</u></p> <p>30mins Research how our pupils change when there is more or less light and why this change happens. Write up the explanation and include labelled diagrams.</p>	<p><u>Geography (Forests)</u></p> <p>30mins Create a poster about the Amazon Rainforest. Include at least 7 facts.</p>
<p align="center"><u>Daily PE Lesson</u></p> <p>30 mins each day choose from:</p> <ul style="list-style-type: none"> • Past Joe Wicks on youtube • 5 dances from Just Dance on youtube. • Kids HIIT Workout with Moe Jones on youtube 	<p align="center"><u>Daily PE Lesson</u></p> <p>30 mins each day choose from:</p> <ul style="list-style-type: none"> • Past Joe Wicks on youtube • 5 dances from Just Dance on youtube. • Kids HIIT Workout with Moe Jones on youtube 	<p align="center"><u>Daily PE Lesson</u></p> <p>30 mins each day choose from:</p> <ul style="list-style-type: none"> • Past Joe Wicks on youtube • 5 dances from Just Dance on youtube. • Kids HIIT Workout with Moe Jones on youtube 	<p align="center"><u>Daily PE Lesson</u></p> <p>30 mins each day choose from:</p> <ul style="list-style-type: none"> • Past Joe Wicks on youtube • 5 dances from Just Dance on youtube. • Kids HIIT Workout with Moe Jones on youtube 	<p align="center"><u>Daily PE Lesson</u></p> <p>30 mins each day choose from:</p> <ul style="list-style-type: none"> • Past Joe Wicks on youtube • 5 dances from Just Dance on youtube. • Kids HIIT Workout with Moe Jones on youtube



Add and subtract fractions (1)

1 Eva is working out $\frac{1}{3} + \frac{2}{9}$
She uses two fraction strips.



Use the fraction strips to help you complete the calculations.

$$\frac{1}{3} = \frac{\square}{9} \qquad \frac{1}{3} + \frac{2}{9} = \frac{\square}{9} + \frac{2}{9} = \frac{\square}{9}$$

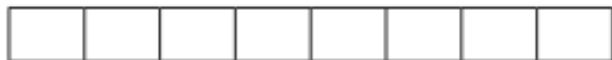
2 Complete the addition.

$$\frac{3}{10} + \frac{2}{5} = \square$$



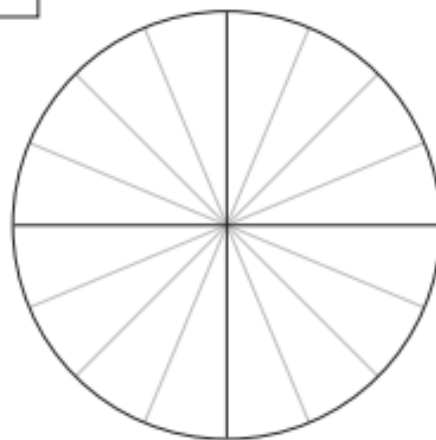
3 Use the bar model to complete the subtraction.

$$\frac{7}{8} - \frac{1}{4} = \square$$



4 Use the diagram to complete the calculation.

$$\frac{9}{16} - \frac{1}{4} = \square$$



5 Mo spends $\frac{3}{5}$ of his pocket money on a present for his sister.

He gives $\frac{2}{15}$ of his pocket money to charity.

What fraction of his pocket money does he have left?

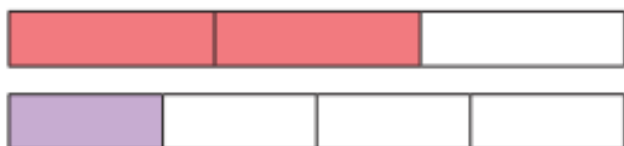
You may use the fraction strip to help you.





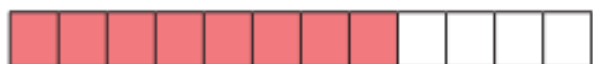
Add and subtract fractions (2)

1 Amir is using fraction strips to work out $\frac{2}{3} + \frac{1}{4}$



Amir says he needs to find a common denominator.

a) Complete Amir's method.



$$\frac{2}{3} = \frac{\square}{12}$$



$$\frac{1}{4} = \frac{\square}{12}$$

$$\frac{2}{3} + \frac{1}{4} = \frac{\square}{12} + \frac{\square}{12} = \frac{\square}{12}$$

b) Show the addition on the fraction strip.



c) Could you have used a different denominator?



2 What common denominator can you use to add the fractions?

a) $\frac{2}{5} + \frac{1}{2}$ Common denominator =

b) $\frac{2}{3} + \frac{4}{5}$ Common denominator =

c) $\frac{7}{8} - \frac{1}{4}$ Common denominator =

d) $\frac{7}{9} - \frac{1}{6}$ Common denominator =

e) $\frac{11}{15} + \frac{3}{10}$ Common denominator =

3 Ron and Eva are working out $\frac{1}{4} + \frac{5}{6}$

Ron's method

$$\frac{1}{4} + \frac{5}{6} = \frac{3}{12} + \frac{10}{12} = \frac{13}{12}$$

Eva's method

$$\frac{1}{4} + \frac{5}{6} = \frac{6}{24} + \frac{20}{24} = \frac{26}{24}$$

a) What is the same about Ron's and Eva's methods?

b) What is different about their methods?

c) Which method do you prefer? Why?



Add mixed numbers

- 1 Teddy and Mo are adding mixed numbers.



$$3\frac{1}{4} + 2\frac{5}{8} = 5 + \frac{7}{8} = 5\frac{7}{8}$$

Teddy

$$3\frac{1}{4} + 2\frac{5}{8} = \frac{26}{8} + \frac{21}{8} = \frac{47}{8} = 5\frac{7}{8}$$

Mo



Whose method do you prefer? _____

Talk about it with a partner.



- 2 Complete the calculations.

a) $1\frac{2}{5} + 2\frac{3}{10} = \square$

b) $2\frac{2}{5} + 2\frac{3}{10} = \square$

c) $1\frac{3}{4} + 3\frac{3}{20} = \square$

e) $4\frac{1}{4} + 2\frac{11}{16} = \square$

d) $1\frac{3}{16} + 4\frac{3}{4} = \square$

f) $1\frac{4}{15} + 3\frac{2}{3} = \square$

- 3



$$2\frac{3}{5} + 1\frac{7}{10} = 3 + \frac{13}{10} = 3\frac{13}{10}$$

How can Ron improve his answer?

- 4 Complete the additions.

a) $2\frac{3}{4} + 3\frac{5}{12} = \square$

b) $3\frac{2}{3} + 2\frac{7}{12} = \square$

Add fractions

1 Complete the calculations.

$$\frac{2}{5} + \frac{1}{5} = \square$$

$$1\frac{2}{5} + \frac{1}{5} = \square$$

$$1\frac{2}{5} + 1\frac{1}{5} = \square$$

$$2\frac{2}{5} + 1\frac{1}{5} = \square$$

Talk to your partner about the methods you used.

2 Complete the calculation that is represented.



$$\square + \square = \square$$

Show the method that you used.

3 Work out the addition.

$$2\frac{2}{3} + 1\frac{1}{6}$$



Show your method.

4 Amir and Whitney are working out an addition.

$$1\frac{3}{4} + 3\frac{2}{5}$$



I will add the wholes and then the parts.

I will convert each number to an improper fraction first and then add them.



Complete Amir's and Whitney's methods.

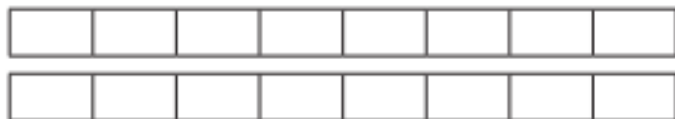
Amir's method	Whitney's method
$1 + 3 = 4$ wholes $\frac{3}{4} + \frac{2}{5} = \square + \square$	$1\frac{3}{4} = \frac{7}{4}$ and $3\frac{2}{5} = \square$

Subtract mixed numbers

1 Complete the subtractions.

Use the bar models to help you.

a)



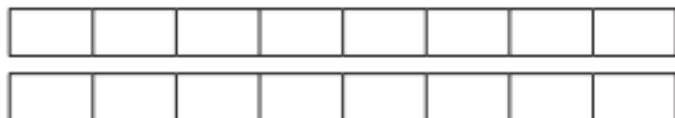
$$1\frac{5}{8} - \frac{1}{2} = \square$$

b)



$$1\frac{7}{8} - \frac{3}{4} = \square$$

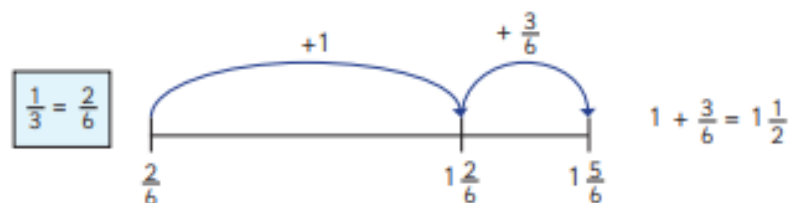
c)



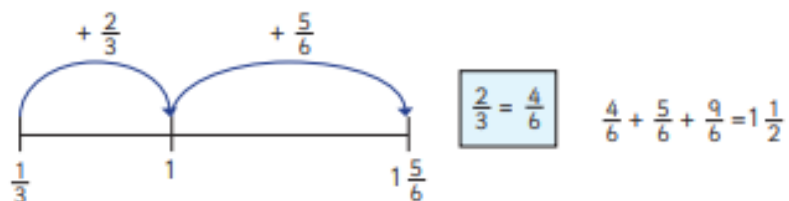
$$1\frac{1}{2} - \frac{3}{8} = \square$$



2 Dexter and Whitney are using number lines to work out $1\frac{5}{6} - \frac{1}{3}$
Dexter's method



Whitney's method



What is the same and what is different about these methods?

Use one of the methods to work out $1\frac{5}{8} - \frac{3}{16}$



$$1\frac{5}{8} - \frac{3}{16} = \square$$



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