

Homework Choice Grid
Year 2 Maths
Weeks Beginning 8th & 15th June



Useful Websites

- TT Rockstars – login details are in planners
- Education City – login details are in planners
- Topmarks Maths – Website
- Hit the Button – Internet game
- Snappy Maths – lots of free worksheets
- BBC Bitesize – videos, worksheets and online Maths activities for Year 2

Number and Place Value

Partitioning Two-Digit Numbers

Play the Education City game **Bumper Cars**. You can recap how we partition two-digit numbers into tens and ones and complete missing number problems. Then complete the written activity which can be found below this grid. If you do not have a printer, the tasks can be recorded straight into your workbook.

Addition and Subtraction

Part whole relationships and fact families

Visit <https://www.bbc.co.uk/bitesize/articles/zjn3gwx> to learn how part whole models can be used to understand fact families. The lesson includes two videos to watch and four worksheets to complete which can be found below this grid. If you do not have a printer, the tasks can be recorded straight into your workbook. The answers can be found on the website too.

Play the game 'Fact Families' found on:
<https://www.topmarks.co.uk/number-facts/number-fact-families>
You can choose what number values to work within. You can have numbers up to 10 all the way up to numbers up to 100. If you are feeling very confident, you can also work with division and multiplication.

Multiplication and Division	Shape Space and Measure
<p>Keeping maths facts on the tip of your tongue is a really useful skill to have. Practise the following.</p> <ol style="list-style-type: none"> 1) The 2 x table 2) The 5 x table 3) The 10 x table <p>Remember to have a go on Times Table Rock Stars too. See if you can beat your time!</p> <p>Write the related division facts for your times tables e.g. if $5 \times 10 = 50$ then $50 \div 10 = 5$</p>	<p style="text-align: center;"><u>Time</u></p> <p>Play the Education City Game Wakey, Wakey to practise telling the time using 'quarter to', 'quarter past', 'o'clock' and 'half past' using analogue clocks. Then complete the written activity which can be found below this grid. If you do not have a printer, the tasks can be recorded straight into your workbook.</p> <p>Can you create a timeline of your day? You may need to get an adult to help you.</p> <p style="text-align: center;">Think about key things you do in your day and write the time. Remember your timeline needs to be in order. Try to write it in analogue time, e.g. half past 8. You can draw pictures of what you do to help you.</p>
<u>Extras</u>	
<p>White Rose Hub have a free home learning pack which could be really useful to use. Each lesson comes with a video that guides you through it and an activity sheet. If you don't have a printer at home you could write the questions out or just talk about them with your child. There are also answers for each question on a separate document – don't worry.</p> <p>Year 2 - https://whiterosemaths.com/homelearning/year-2/ It is split into weeks. Work your way through the lessons/weeks when you can/if you can. Remember – you only have to do one lesson a day. Carol Vorderman is offering her maths website https://www.themathsfactor.com/ for free whilst schools are closed. https://whiterosemaths.com/homelearning/</p>	



Name: _____

Class: _____

Fill in the blanks to complete each number sentence.

1 $60 + 7 = \underline{\quad}$

9 $20 + 8 = \underline{\quad}$

17 $10 + 6 = \underline{\quad}$

2 $10 + 2 = \underline{\quad}$

10 $5 + 60 = \underline{\quad}$

18 $1 + 70 = \underline{\quad}$

3 $10 + \underline{\quad} = 16$

11 $20 + \underline{\quad} = 22$

19 $40 + \underline{\quad} = 43$

4 $30 + \underline{\quad} = 38$

12 $80 + \underline{\quad} = 81$

20 $70 + \underline{\quad} = 74$

5 $\underline{\quad} + 9 = 29$

13 $\underline{\quad} + 6 = 46$

21 $\underline{\quad} + 1 = 21$

6 $\underline{\quad} + 3 = 63$

14 $\underline{\quad} + 0 = 50$

22 $\underline{\quad} + 8 = 98$

7 $20 + \underline{\quad} = 27$

15 $80 + 3 = \underline{\quad}$

23 $\underline{\quad} + 4 = 74$

8 $2 + 30 = \underline{\quad}$

16 $6 + \underline{\quad} = 26$

24 $\underline{\quad} + 10 = 19$





Name: _____

Class: _____

Draw the hands on the clocks.

1



quarter past five

2



half past 9

3



quarter past 8

4



quarter to 4

5



quarter to 8

6



quarter to 1

Write the times that the clocks are showing.

7



8



9



10



11



12

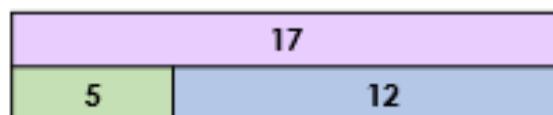


Fact Families

1. Evie has 14 pets. Using +, - and =, write the 4 calculations that show how many pets Evie has.



2. Use the bar model to complete the calculations below.



$$\boxed{12} + \boxed{} = \boxed{17}$$

$$\boxed{5} + \boxed{} = \boxed{17}$$

$$\boxed{} - \boxed{5} = \boxed{}$$

$$\boxed{} - \boxed{12} = \boxed{}$$

3. Choose two digit cards to complete the fact family. Complete the part-whole model to match.

3

5

7

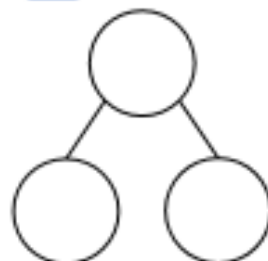
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$$\boxed{} + \boxed{} = 16$$

$$\boxed{} + \boxed{} = 16$$

$$16 - \boxed{} = \boxed{}$$

$$16 - \boxed{} = \boxed{}$$



Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children build upon the number bonds to ten from year 1 and revisit the fact families. They complete models to represent the fact family and write the associated calculations.

What is the whole quantity of fruit?

What are the parts?

How many apples?

How many pears?

What does each part of the bar model represent?

What does each circle of the part-whole model represent?

Can you write eight different calculations for this fact family?

Have you found them all?

How do you know?

Can you explain the relationship between addition and subtraction?

What is the meaning of the equals sign?

Does it matter which way round we add the parts?

Why not?

Can I write $11 - 9 = 20$? Why not?

Select one of the calculations. Can you think of a different way to write it? $18 = 10 + 8$, $18 = 8 + 10$



visit [twinkl.com](https://www.twinkl.com)

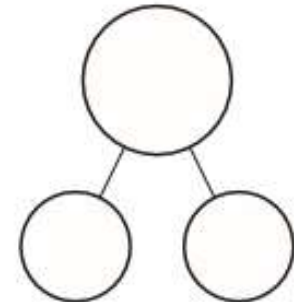
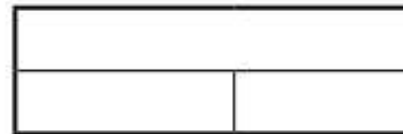
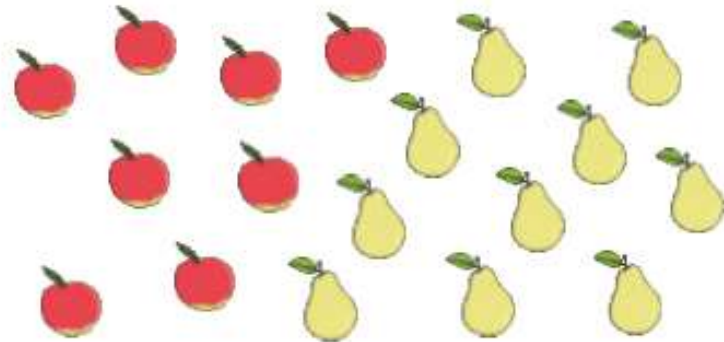


Addition and Subtraction Facts to 20



Complete the bar model and part-whole model to match this fruit picture.

Think about how many pieces of fruit there are overall and how many pieces there are of each kind of fruit.



Can you write 4 different calculations about the fruit?

Diving into Mastery - Deeper Adult Guidance with Question Prompts

Children reason about the fact family represented by the bar model. They investigate to see if the calculations have been written correctly and explain their thinking.

What is the whole number represented by the bar model?

What are the parts of the whole number?

Has Rhiannon written eight different calculations? Can you see any that are the same?

Can you spot any mistakes?

Can you explain why she is wrong?

Has she repeated any calculations?

How could she have written it differently?

Are there any other mistakes?

Why is it wrong to write $20 = 15 - 5$?

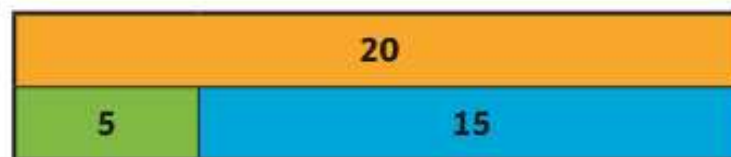
How about $20 = 5 - 15$?

Which two subtractions should she have written?

Addition and Subtraction Facts to 20



Rhiannon looked at this bar model:



She wrote these calculations:



$5 + 15 = 20$	$20 = 15 + 5$
$5 + 15 = 20$	$20 = 5 + 15$
$20 - 5 = 15$	$20 = 15 - 5$
$20 - 15 = 5$	$20 = 5 - 15$

Has she written the calculations correctly?

Why do you think that?

Correct any mistakes Rhiannon has made.

Diving into Mastery – Deepest Adult Guidance with Question Prompts

Children find possible solutions to different problems and make deliberate mistakes for their partners to fix.

What is the whole number?

What could the parts of the whole number be?

Can you write eight different calculations to represent this fact family?

Can you draw a part-whole model to represent this fact family?

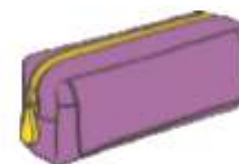
Can you spot the mistake and explain why it is wrong?

How could you change it to be correct?

Addition and Subtraction Facts to 20



Ravi has 17 felt tips. Some are in his spotty pencil case and some are in his purple pencil case.



Think of one way that the felt tips could be split between the pencil cases. Write 8 different calculations and draw a part-whole model to show this.



Now, write 8 different calculations and draw a part-whole model about this picture. Make a mistake on purpose! Can your partner spot and correct the mistake you have made?