

Year 6 Learning Grid

Keep busy, keep learning and keep safe.



Each day, try to complete at least one activity from each column.

What enables a town to flourish?

This is the **big question** that we are learning about this term. How do towns flourish and why?

- *Why do some towns seem more popular than others?*
- *What inventions across time have helped towns and societies flourish?*
- *How are people important to the success of a town?*
- *What about resources? How can they impact on a town's success?*

Carry out some research and think about the learning we have been doing in class (as well as our Sandgate Values) and create something that answers our big question.

Your creation could be a PowerPoint, a speech, a model, a fable, some art... anything!

When we come back, if you would like to, you can present your project to the class and we will put it on display.

Mathematics	English	Science	Life skills & Wider Learning	Project
<p>Times tables – 15 minutes per day minimum.</p> <p>Log into Times Table Rockstars and practise your times tables. Your log-in details are in your Home Learning books.</p>	<p>Reading</p> <p>As always, aim to read for a minimum of 25 minutes each day. Try to vary the text types you read between fiction and non-fiction. You could read magazines, newspapers, e-books, comics, listen to a story on Audible – anything!</p>	<p>Design a word search using vocabulary to do with electricity or living things. Bring it back to school and we can complete them!</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	<p>What enables a town to flourish?</p> <p>This is the big question that we are learning about this term. How do towns flourish and why?</p> <ul style="list-style-type: none"> • <i>Why do some towns seem more popular than others?</i> • <i>What inventions across time have helped towns and societies flourish?</i> • <i>How are people important to the success of a town?</i> • <i>What about resources? How can they impact on a town's success?</i> <p>Carry out some research and think about the learning we have been doing in class (as well as our Sandgate Values) and create something that answers our big question.</p> <p>Your creation could be a PowerPoint, a speech, a model, a fable, some art... anything!</p> <p>When we come back, if you would like to, you can present your project to the class and we will put it on display.</p>
<p>Arithmetic (Daily 10)</p> <p>Go onto the 'Daily 10' website and answer the 10 questions on your chosen area.</p> <p>https://www.topmarks.co.uk/maths-games/daily10</p> <p>We have also uploaded a few examples of some arithmetic sessions that you can create and complete at home.</p>	<p>Pobble365</p> <p>A new picture is posted every day! http://www.pobble365.com/</p> <p>Have a look and complete some, if not all, of the activities that it suggests. You might decide to just use the picture as inspiration and do some writing about it. Remember all of the different text types: persuasion, non-chronological reports, recounts, instructions and stories (quest, adventure, suspense and portal) to name a few. Try to do a different style of writing each time; you could even write some poetry!</p>	<p>The theme for this year's Science week was: Our Diverse Planet. https://www.britishscienceweek.org/</p> <p>Download the free activity pack to do some Science at home or create a poster showing how diverse our planet is! You could use the 'Research' enquiry type to find out more, using secondary sources such as the internet or books.</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	
<p>Mathletics</p> <p>Complete the revision activities that have been assigned to you. This will refresh every week. Your log-in details are in your Home Learning books.</p>	<p>Spelling Shed</p> <p>Practise the words that you have been assigned; these will change every week. You could also create a hive with your friends to practise together. Once you finish your assigned spellings, you could practise the other lists too.</p>	<p>Watch Science clips on the website BBCBitesize and create a mind-map or poster of the information you learnt.</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	
<p>White Rose Maths</p> <p>White Rose will be posting activities to complete along with at-home help videos to support maths at home.</p> <p>https://whiterosemaths.com/</p>	<p>Download some of the reading activities from our school website to develop and revise the many reading skills we have been working on in class.</p>	<p>Start a 'Science Selfie' book. Take a selfie every day and then create a mind map around the picture of all of the science that is in it. You will be surprised how much science is around us – even at home!</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	
<p>Hit the Button</p> <p>Play the games on 'Hit the Button'.</p> <p>https://www.topmarks.co.uk/maths-games/hit-the-button</p>	<p>Design and create a comic strip summarising a book that you have finished.</p>	<p>Start a 'Science Selfie' book. Take a selfie every day and then create a mind map around the picture of all of the science that is in it. You will be surprised how much science is around us – even at home!</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	
<p>Nrich</p> <p>https://nrich.maths.org/</p> <p>Look here for some great problem solving activities (with answers to check at the end).</p>	<p>https://classroomsecrets.co.uk/home-online-learning/</p> <p>This website is offering free resources for a limited time. You could create an account and revise the SPaG learning we have learnt so far.</p>	<p>Linking to our learning of evolution and inheritance, create a fact file about how animals have evolved over time.</p>	<p>+ Learn to tie shoelaces or do up a tie.</p> <p>+ Learn how to sew a button or a badge on.</p> <p>+ Grow a plant/seed and, if you wanted, you could bring it in when we are back at school.</p> <p>+ Learn to tell the time on an analogue clock.</p> <p>+ Learn how to accurately use a protractor.</p> <p>+ Make a scrapbook</p> <p>+ Make up a dance</p> <p>+ Learn how to cook a new recipe.</p> <p>+ Draw a view through a window.</p> <p>+ Design an exercise circuit that you could do indoors.</p> <p>+ Design and make a board game – perhaps we could add it to our wet-play stash!</p> <p>+ Make a crossword about a time in History.</p> <p>+ Write a leaflet about first-aid.</p> <p>+ Complete one yoga session on https://www.youtube.com/user/CosmicKidsYoga</p>	



Each day, try to complete at least one activity from each column.

WEEK 2 - Year 6 Learning Grid

Please feel free to continue to use the resources in last week's pack. We will continue to add to these each week to give you a range of activities to choose from.

We look forward to seeing your fantastic learning



Mathematics	English	Science	Life skills & Wider Learning	Project
<p>White Rose Maths lessons https://whiterosemaths.com/home/earning/year-6/ White Rose is providing video lessons to support Maths learning at home. Every day a new video is uploaded and activities are provided to secure your understanding.</p>	<p>Once Upon a Picture https://www.onceuponapicture.co.uk This website is similar to Pobble 365 in that it has a range of pictures that can be used as a stimulus for writing. Answer the questions, create a mind-map and/or box up ideas and off you go! Remember to use a thesaurus and dictionary to broaden your choice of vocabulary and to check spellings!</p>	<p>STEM Activities https://www.stem.org.uk/sites/default/files/pages/download/Starters-for-STEM.pdf This is a good starting point for some STEM activities that can be done at home. The PDF also contains links to further instructions as to how each activity can be completed.</p>	<p>+ Complete Joe Wick's P.E. Session at 9am each morning! https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ</p> <p>+ Learn how to change your bedsheets</p> <p>+ Learn how to use the washing machine</p>	<p>This week, consider writing a poem about Folkestone. Perhaps it could be about its history and how it's changed over time or what makes it a great place to live.</p> <p>Your poem:</p> <ul style="list-style-type: none"> • doesn't need to rhyme! • could be a list poem where each stanza starts with 'Folkestone is...' • could be structured where every line starts with the last word from the previous line. • Could be in the shape of something in Folkestone • could be illustrated with drawings, paintings, pictures, etc.
<p>Free Home Learning Packs https://classroomsecrets.co.uk/free-home-learning-packs/ Classroom Secrets is offering free home learning packs. These consist of Maths, Reading, SPaG and a range of practical ideas! These will also be uploaded to our website.</p>	<p>Reading You are now able to take Accelerated Reader quizzes from home by using the following link: https://ukhosted56.renlearn.co.uk/1894764/</p> <p>In addition to this, we have also secured limited access to MyOn, Accelerated Reader's e-book system. You can access 1000s of e-books through the following link, all of which have quizzes available: https://readon.myon.co.uk/library/browse.html</p>	<p>Daily STEM videos https://drchips.weebly.com/?fbclid=IwAR0w-wyFJOxClSaPN9SSBmrqngWndezgEnMBZvoxD_kKb_6Tp9JlWjdxo8</p> <p>At 10AM every day, join Dr. Chip where he demonstrates various STEM activities which you can try at home!</p>	<p>+ Fold/hang your own clothes</p> <p>+ Sing with Alex at 3pm every day! https://youtu.be/8d2FDqTXkWE</p> <p>+ Write a letter to your future self. Write a letter, seal it in an envelope and set a date as to when you want to open it (perhaps Christmas?).</p>	
<p>Countdown https://www.topmarks.co.uk/Flash.aspx?f=countdowntimerv3 This is the game we play in class. Unfortunately, it only works on Internet Explorer!</p>	<p>Spelling Shed Practise the words that you have been assigned; these will change every week. You could also create a hive with your friends to practise together. Once you finish your assigned spellings, you could practise the other lists too.</p>			
<p>Mathletics + TTR Mathletics and TTR will continue to be assigned each week so be sure to log in and check what there is to do!</p>	<p>Reading Summarise each chapter of the book you're reading in no more than 10 words! Make sure you're continuing to read for 20-30 minutes every day!</p>			
<p>Arithmetic Each day, complete 20-30 minutes of arithmetic. You will find sheets, along with answers on the pages below.</p>	<p>Free Audible books Audible have opened up their listening library with free audiobooks https://stories.audible.com/discovery</p>			

Year 6 Arithmetic 1 - questions:



1) $5\frac{1}{2} + 6\frac{1}{4} =$

2) $5\frac{2}{5} + 6\frac{1}{10} =$

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

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

5) $5\frac{1}{3} + 6\frac{1}{2} =$

6) $2\frac{1}{4} + 5\frac{5}{10} =$

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

8) $6\frac{1}{2} + 8\frac{1}{4} =$

9) $2\frac{1}{5} + 9\frac{2}{3} =$

0) $4\frac{3}{4} + 6\frac{3}{5} =$

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

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

3) $3\frac{6}{10} + 6\frac{1}{3} =$

4) $2\frac{1}{3} + 9\frac{2}{10} =$

5) $5\frac{4}{5} + 6\frac{2}{10} =$

1) $5\frac{2}{5} - 1\frac{3}{10} =$

2) $5\frac{1}{2} - 2\frac{1}{3} =$

3) $8\frac{3}{4} - 1\frac{1}{5} =$

4) $7\frac{1}{2} - 1\frac{4}{10} =$

5) $5\frac{6}{10} - 2\frac{1}{3} =$

6) $7\frac{1}{4} - 4\frac{1}{10} =$

7) $7\frac{2}{5} - 1\frac{1}{4} =$

8) $7\frac{2}{4} - 4\frac{1}{2} =$

9) $7\frac{2}{4} - 4\frac{3}{10} =$

10) $5\frac{1}{2} - 1\frac{2}{10} =$

11) $9\frac{4}{5} - 2\frac{2}{3} =$

12) $7\frac{2}{3} - 2\frac{3}{10} =$

13) $7\frac{2}{3} - 3\frac{4}{10} =$

14) $6\frac{3}{4} - 2\frac{3}{5} =$

15) $5\frac{1}{2} - 1\frac{1}{5} =$

Year 6

Arithmetic 1 - answers:



Adding Mixed Numbers

- 1) $5\frac{1}{2} + 6\frac{1}{4} = 5\frac{2}{4} + 6\frac{1}{4} = 11\frac{3}{4}$
- 2) $5\frac{2}{5} + 6\frac{1}{10} = 5\frac{4}{10} + 6\frac{1}{10} = 11\frac{5}{10} = 11\frac{1}{2}$
- 3) $5\frac{1}{2} + 8\frac{3}{5} = 5\frac{5}{10} + 8\frac{6}{10} = 13\frac{11}{10} = 14\frac{1}{10}$
- 4) $1\frac{3}{4} + 7\frac{2}{3} = 1\frac{9}{12} + 7\frac{8}{12} = 8\frac{17}{12} = 9\frac{5}{12}$
- 5) $5\frac{1}{3} + 6\frac{1}{2} = 5\frac{2}{6} + 6\frac{3}{6} = 11\frac{5}{6}$
- 6) $2\frac{1}{4} + 5\frac{5}{10} = 2\frac{5}{20} + 5\frac{10}{20} = 7\frac{15}{20} = 7\frac{3}{4}$
- 7) $5\frac{1}{3} + 8\frac{2}{5} = 5\frac{5}{15} + 8\frac{6}{15} = 13\frac{11}{15}$
- 8) $6\frac{1}{2} + 8\frac{1}{4} = 6\frac{2}{4} + 8\frac{1}{4} = 14\frac{3}{4}$
- 9) $2\frac{1}{5} + 9\frac{2}{3} = 2\frac{3}{15} + 9\frac{10}{15} = 11\frac{13}{15}$
- 10) $4\frac{3}{4} + 6\frac{3}{5} = 4\frac{15}{20} + 6\frac{12}{20} = 10\frac{27}{20} = 11\frac{7}{20}$
- 11) $3\frac{1}{5} + 7\frac{2}{10} = 3\frac{2}{10} + 7\frac{2}{10} = 10\frac{4}{10} = 10\frac{2}{5}$
- 12) $3\frac{2}{5} + 5\frac{1}{4} = 3\frac{8}{20} + 5\frac{5}{20} = 8\frac{13}{20}$
- 13) $3\frac{6}{10} + 6\frac{1}{3} = 3\frac{18}{30} + 6\frac{10}{30} = 9\frac{28}{30} = 9\frac{14}{15}$
- 14) $2\frac{1}{3} + 9\frac{2}{10} = 2\frac{10}{30} + 9\frac{6}{30} = 11\frac{16}{30} = 11\frac{8}{15}$
- 15) $5\frac{4}{5} + 6\frac{2}{10} = 5\frac{8}{10} + 6\frac{2}{10} = 11\frac{10}{10} = 12$

Subtracting Mixed Numbers

- 1) $5\frac{2}{5} - 1\frac{3}{10} = 5\frac{4}{10} - 1\frac{3}{10} = 4\frac{1}{10}$
- 2) $5\frac{1}{2} - 2\frac{1}{3} = 5\frac{3}{6} - 2\frac{2}{6} = 3\frac{1}{6}$
- 3) $8\frac{3}{4} - 1\frac{1}{5} = 8\frac{15}{20} - 1\frac{4}{20} = 7\frac{11}{20}$
- 4) $7\frac{1}{2} - 1\frac{4}{10} = 7\frac{5}{10} - 1\frac{4}{10} = 6\frac{1}{10}$
- 5) $5\frac{6}{10} - 2\frac{1}{3} = 5\frac{18}{30} - 2\frac{10}{30} = 3\frac{8}{30} = 3\frac{4}{15}$
- 6) $7\frac{1}{4} - 4\frac{1}{10} = 7\frac{5}{20} - 4\frac{2}{20} = 3\frac{3}{20}$
- 7) $7\frac{2}{5} - 1\frac{1}{4} = 7\frac{8}{20} - 1\frac{5}{20} = 6\frac{3}{20}$
- 8) $7\frac{2}{4} - 4\frac{1}{2} = 7\frac{2}{4} - 4\frac{2}{4} = 3$
- 9) $7\frac{2}{4} - 4\frac{3}{10} = 7\frac{10}{20} - 4\frac{6}{20} = 3\frac{4}{20} = 3\frac{1}{5}$
- 10) $5\frac{1}{2} - 1\frac{2}{10} = 5\frac{5}{10} - 1\frac{2}{10} = 4\frac{3}{10}$
- 11) $9\frac{4}{5} - 2\frac{2}{3} = 9\frac{12}{15} - 2\frac{10}{15} = 7\frac{2}{15}$
- 12) $7\frac{2}{3} - 2\frac{3}{10} = 7\frac{20}{30} - 2\frac{9}{30} = 5\frac{11}{30}$
- 13) $7\frac{2}{3} - 3\frac{4}{10} = 7\frac{20}{30} - 3\frac{12}{30} = 4\frac{8}{30} = 4\frac{4}{15}$
- 14) $6\frac{3}{4} - 2\frac{3}{5} = 6\frac{15}{20} - 2\frac{12}{20} = 4\frac{3}{20}$
- 15) $5\frac{1}{2} - 1\frac{1}{5} = 5\frac{5}{10} - 1\frac{2}{10} = 4\frac{3}{10}$

Year 6

Arithmetic 2 - questions:



$$\begin{array}{r} 529 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 279 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 73 \\ \hline \end{array}$$

$$\begin{array}{r} 101 \\ \times 67 \\ \hline \end{array}$$

$$\begin{array}{r} 904 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 616 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 187 \\ \times 59 \\ \hline \end{array}$$

$$\begin{array}{r} 720 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 860 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 749 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 295 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 193 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 257 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 236 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 399 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 344 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 660 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 879 \\ \times 62 \\ \hline \end{array}$$

Year 6

Arithmetic 2 - answers:



$$\begin{array}{r} 529 \\ \times 65 \\ \hline 2645 \\ 31740 \\ \hline 34385 \end{array}$$

$$\begin{array}{r} 279 \\ \times 86 \\ \hline 1674 \\ 22320 \\ \hline 23994 \end{array}$$

$$\begin{array}{r} 300 \\ \times 73 \\ \hline 900 \\ 21000 \\ \hline 21900 \end{array}$$

$$\begin{array}{r} 101 \\ \times 67 \\ \hline 707 \\ 6060 \\ \hline 6767 \end{array}$$

$$\begin{array}{r} 904 \\ \times 51 \\ \hline 904 \\ 45200 \\ \hline 46104 \end{array}$$

$$\begin{array}{r} 616 \\ \times 41 \\ \hline 616 \\ 24640 \\ \hline 25256 \end{array}$$

$$\begin{array}{r} 604 \\ \times 88 \\ \hline 4832 \\ 48320 \\ \hline 53152 \end{array}$$

$$\begin{array}{r} 187 \\ \times 59 \\ \hline 1683 \\ 9350 \\ \hline 11033 \end{array}$$

$$\begin{array}{r} 720 \\ \times 89 \\ \hline 6480 \\ 57600 \\ \hline 64080 \end{array}$$

$$\begin{array}{r} 860 \\ \times 22 \\ \hline 1720 \\ 17200 \\ \hline 18920 \end{array}$$

$$\begin{array}{r} 749 \\ \times 15 \\ \hline 3745 \\ 7490 \\ \hline 11235 \end{array}$$

$$\begin{array}{r} 295 \\ \times 35 \\ \hline 1475 \\ 8850 \\ \hline 10325 \end{array}$$

$$\begin{array}{r} 784 \\ \times 93 \\ \hline 2352 \\ 70560 \\ \hline 72912 \end{array}$$

$$\begin{array}{r} 193 \\ \times 57 \\ \hline 1351 \\ 9650 \\ \hline 11001 \end{array}$$

$$\begin{array}{r} 257 \\ \times 21 \\ \hline 257 \\ 5140 \\ \hline 5397 \end{array}$$

$$\begin{array}{r} 236 \\ \times 98 \\ \hline 1888 \\ 21240 \\ \hline 23128 \end{array}$$

$$\begin{array}{r} 399 \\ \times 43 \\ \hline 1197 \\ 15960 \\ \hline 17157 \end{array}$$

$$\begin{array}{r} 344 \\ \times 14 \\ \hline 1376 \\ 3440 \\ \hline 4816 \end{array}$$

$$\begin{array}{r} 660 \\ \times 63 \\ \hline 1980 \\ 39600 \\ \hline 41580 \end{array}$$

$$\begin{array}{r} 879 \\ \times 62 \\ \hline 1758 \\ 52740 \\ \hline 54498 \end{array}$$

Year 6

Arithmetic 3 - questions:

$$22 \overline{)3441}$$

$$47 \overline{)5258}$$

$$66 \overline{)8001}$$

$$15 \overline{)8338}$$

$$14 \overline{)4166}$$

$$34 \overline{)5745}$$

$$28 \overline{)6337}$$

$$24 \overline{)7048}$$

$$71 \overline{)3084}$$



Year 6

Arithmetic 3 - answers:



$$\begin{array}{r} 156 \\ 22 \overline{)3441} \\ \underline{-22} \\ 124 \\ \underline{-110} \\ 141 \\ \underline{-132} \\ 9 \end{array}$$

$$\begin{array}{r} 111 \\ 47 \overline{)5258} \\ \underline{-47} \\ 55 \\ \underline{-47} \\ 88 \\ \underline{-47} \\ 41 \end{array}$$

$$\begin{array}{r} 121 \\ 66 \overline{)8001} \\ \underline{-66} \\ 140 \\ \underline{-132} \\ 81 \\ \underline{-66} \\ 15 \end{array}$$

$$\begin{array}{r} 555 \\ 15 \overline{)8338} \\ \underline{-75} \\ 83 \\ \underline{-75} \\ 88 \\ \underline{-75} \\ 13 \end{array}$$

$$\begin{array}{r} 297 \\ 14 \overline{)4166} \\ \underline{-28} \\ 136 \\ \underline{-126} \\ 106 \\ \underline{-98} \\ 8 \end{array}$$

$$\begin{array}{r} 168 \\ 34 \overline{)5745} \\ \underline{-34} \\ 234 \\ \underline{-204} \\ 305 \\ \underline{-272} \\ 33 \end{array}$$

$$\begin{array}{r} 226 \\ 28 \overline{)6337} \\ \underline{-56} \\ 73 \\ \underline{-56} \\ 177 \\ \underline{-168} \\ 9 \end{array}$$

$$\begin{array}{r} 293 \\ 24 \overline{)7048} \\ \underline{-48} \\ 224 \\ \underline{-216} \\ 88 \\ \underline{-72} \\ 16 \end{array}$$

$$\begin{array}{r} 43 \\ 71 \overline{)3084} \\ \underline{-284} \\ 244 \\ \underline{-213} \\ 31 \end{array}$$

Your child may notice that this isn't quite the strategy we taught in school, but very similar!

Year 6
Arithmetic 4 - questions:

Remember
BODMAS!



$10 - 3^3 \div 9$

$7^2 \div (4 + 3)$

$(8 - 6)^2 \times 7$

$3^2 \times 4 + 6$

$7 \times 5 - 2^2$

$(6 + 2^2) \times 10$

$10 + 3^3 \div 9$

$(9 - 2^3) \times 5$

$3 \times 6 + 8^2$

$4^3 - 10 \div 5$

$6^2 + 7 \times 2$

$6^2 \div 2 - 4$

$3^2 \times 2 - 9$

$9 \times 3^2 - 8$

$9 \times 8 + 3^2$

$(5^2 + 10) \times 2$

$6^2 \div 3 - 5$

$(9 - 5)^2 \div 4$

$(7 + 10) \times 2^2$

$7 \times (4^2 - 2)$

Year 6

Arithmetic 4 - answers:



$$\begin{aligned}10 - 3^3 \div 9 \\&= 10 - 27 \div 9 \\&= 10 - 3 \\&= 7\end{aligned}$$

$$\begin{aligned}7 \times 5 - 2^2 \\&= 7 \times 5 - 4 \\&= 35 - 4 \\&= 31\end{aligned}$$

$$\begin{aligned}3 \times 6 + 8^2 \\&= 3 \times 6 + 64 \\&= 18 + 64 \\&= 82\end{aligned}$$

$$\begin{aligned}3^2 \times 2 - 9 \\&= 9 \times 2 - 9 \\&= 18 - 9 \\&= 9\end{aligned}$$

$$\begin{aligned}6^2 \div 3 - 5 \\&= 36 \div 3 - 5 \\&= 12 - 5 \\&= 7\end{aligned}$$

$$\begin{aligned}7^2 \div (4 + 3) \\&= 7^2 \div 7 \\&= 49 \div 7 \\&= 7\end{aligned}$$

$$\begin{aligned}(6 + 2^2) \times 10 \\&= (6 + 4) \times 10 \\&= 10 \times 10 \\&= 100\end{aligned}$$

$$\begin{aligned}4^3 - 10 \div 5 \\&= 64 - 10 \div 5 \\&= 64 - 2 \\&= 62\end{aligned}$$

$$\begin{aligned}9 \times 3^2 - 8 \\&= 9 \times 9 - 8 \\&= 81 - 8 \\&= 73\end{aligned}$$

$$\begin{aligned}(9 - 5)^2 \div 4 \\&= 4^2 \div 4 \\&= 16 \div 4 \\&= 4\end{aligned}$$

$$\begin{aligned}(8 - 6)^2 \times 7 \\&= 2^2 \times 7 \\&= 4 \times 7 \\&= 28\end{aligned}$$

$$\begin{aligned}10 + 3^3 \div 9 \\&= 10 + 27 \div 9 \\&= 10 + 3 \\&= 13\end{aligned}$$

$$\begin{aligned}6^2 + 7 \times 2 \\&= 36 + 7 \times 2 \\&= 36 + 14 \\&= 50\end{aligned}$$

$$\begin{aligned}9 \times 8 + 3^2 \\&= 9 \times 8 + 9 \\&= 72 + 9 \\&= 81\end{aligned}$$

$$\begin{aligned}(7 + 10) \times 2^2 \\&= 17 \times 2^2 \\&= 17 \times 4 \\&= 68\end{aligned}$$

$$\begin{aligned}3^2 \times 4 + 6 \\&= 9 \times 4 + 6 \\&= 36 + 6 \\&= 42\end{aligned}$$

$$\begin{aligned}(9 - 2^3) \times 5 \\&= (9 - 8) \times 5 \\&= 1 \times 5 \\&= 5\end{aligned}$$

$$\begin{aligned}6^2 \div 2 - 4 \\&= 36 \div 2 - 4 \\&= 18 - 4 \\&= 14\end{aligned}$$

$$\begin{aligned}(5^2 + 10) \times 2 \\&= (25 + 10) \times 2 \\&= 35 \times 2 \\&= 70\end{aligned}$$

$$\begin{aligned}7 \times (4^2 - 2) \\&= 7 \times (16 - 2) \\&= 7 \times 14 \\&= 98\end{aligned}$$

Year 6

Arithmetic 5 - questions:



1. What is 37% of 600?

2. What is 51% of 200?

3. What is 86% of 950?

4. What is 71% of 1,000?

5. What is 26% of 150?

6. What is 13% of 100?

7. What is 58% of 300?

8. What is 9% of 200?

9. What is 58% of 750?

10. What is 17% of 600?

1. What is 70% of 170?

2. What is 26% of 900?

3. What is 90% of 110?

4. What is 84% of 600?

5. What is 16% of 75?

6. What is 72% of 275?

7. What is 68% of 475?

8. What is 26% of 1,000?

9. What is 33% of 700?

10. What is 8% of 50?

Year 6

Arithmetic 5 - answers:



1. What is 37% of 600?

222

2. What is 51% of 200?

102

3. What is 86% of 950?

817

4. What is 71% of 1,000?

710

5. What is 26% of 150?

39

6. What is 13% of 100?

13

7. What is 58% of 300?

174

8. What is 9% of 200?

18

9. What is 58% of 750?

435

10. What is 17% of 600?

102

1. What is 70% of 170?

119

2. What is 26% of 900?

234

3. What is 90% of 110?

99

4. What is 84% of 600?

504

5. What is 16% of 75?

12

6. What is 72% of 275?

198

7. What is 68% of 475?

323

8. What is 26% of 1,000?

260

9. What is 33% of 700?

231

10. What is 8% of 50?

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