

## HOME LEARNING PACK



Dear Parent/ Carer,

The staff at Hatton (Cruden) School have developed these home learning packs in order to support your child with their home learning, particularly if they are self-isolating.

Within the pack, you will find a suggested daily schedule as well as activities and weblinks which will support your child's learning in Maths, Literacy and many other curricular areas. An electronic copy of this pack will also be made available on Seesaw. If you aren't signed up to Seesaw, can you please contact the school and we can help set you up.

If you have any questions or would like some help with your child's home learning, our teachers will still be available to answer your questions through Seesaw.

We will also be sharing additional activity ideas through our school twitter account if you would like additional activities to try.



The staff at Hatton (Cruden) School would like to thank you for your ongoing support at this time.

Kind Regards

Miss Strachan

# Additional Websites and Free Subscriptions to access Learning Resources

*Early Level – P1, First Level – P2-4, Second Level – P5-7*

## Health & Wellbeing

- Cosmic Yoga <https://www.cosmickids.com/>
- <https://www.thinkuknow.co.uk/>
- <https://roadsafety.scot/learning/>
- <https://www.foodafactoflife.org.uk/>

## Literacy & Language

- Oxford Owl <https://www.oxfordowl.co.uk/for-home/>
- BritishCouncil <https://www.teachingenglish.org.uk/resources/primary>
- BBC <https://www.bbc.co.uk/bitesize/primary>  
(Click on your child's stage Early-P1, First P2-4 and Second P5-7)
- Phonics Play <https://www.phonicsplay.co.uk/> (Sounds and word blending)
- Duolingo <https://www.duolingo.com/welcome> (Languages)
- BBC Learning [http://www.bbc.co.uk/schools/websites/4\\_11/site/literacy.shtml](http://www.bbc.co.uk/schools/websites/4_11/site/literacy.shtml)
- Oxford Owl Literacy and Numeracy  
<https://www.oxfordowl.co.uk/welcome-back/for-home/reading-owl/kids-activities>
- <https://www.lovereadng4kids.co.uk/kids-zone/>
- <https://www.doorwayonline.org.uk/literacy/>

## Maths & Numeracy

- BBC <https://www.bbc.co.uk/bitesize/primary>  
(Click on your child's stage Early-P1, First P2-4 and Second P5-7)
- <https://www.countonus.org.uk/resources/>
- <https://www.doorwayonline.org.uk/number/>
- <http://www.snappymaths.com/>
- <http://www.maths-games.org/>
- <https://www.mathsweek.scot/activities>

## Science/Outdoor Learning

- National Geographic Kids <https://kids.nationalgeographic.com/>
- Mystery Science <https://mysteryscience.com/>
- The kids should see this <https://thekidshouldseethis.com/>
- Crash course kids <https://www.youtube.com/user/crashcoursekids> (Science videos)
- Paw Print <https://www.pawprintbadges.co.uk/challenge-packs-6-c.asp> Challenge Packs
- Nature Detectives <https://naturedetectives.woodlandtrust.org.uk/naturedetectives/>
- <https://wowscience.co.uk/>
- [http://www.bbc.co.uk/schools/websites/4\\_11/site/science.shtml](http://www.bbc.co.uk/schools/websites/4_11/site/science.shtml)
- <https://www.tigtagworld.co.uk/mindmap/#/modules/>

## Arts & Crafts

- Red Ted Art <https://www.redtedart.com/>
- The Artful Parent <https://artfulparent.com/>

## Computing and Coding

- SCRATCH <https://scratch.mit.edu/>
- Blockly <https://blockly.games/>

## Suggested Daily Schedule

We came across this creative sample schedule that may help your family if you are currently self-isolating. Feel free to adapt to suit you and your family's needs.

<b>Time</b>	<b>Suggested Activities</b>	
Before 09:00	Wake up	Eat breakfast, make your bed, get dressed, put PJs in washing
09:00 – 10:00	Morning walk	Family walk or yoga if it's raining
10:00 – 11:00	Academic time	Use this time to learn something new. You may use the activities suggested in our learning packs
11:00 – 12:00	Creative time	Legos, magnetics, drawing, crafting, playing music, cook or bake etc
12:00	Lunch	
12:30	Chore time	A – wipe all kitchen tables & chairs B – wipe all door handles, light switches & desktops C – wipe both bathrooms, sinks & toilets
13:00 – 14:30	Quiet time	Reading, puzzles, nap
14:30 – 16:00	Academic time	Use this time to learn something new. You may use the activities suggested in our learning packs
16:00 – 17:00	P.E.	Bikes, walk the dog, play outside or use some of the activities in our learning pack.
17:00 – 18:00	Dinner	
18:00 – 20:00	Free TV time	
20:00 – 21:00	Preparation for bed	Shower, bedtime reading etc.
21:00	Bedtime	

# P.E.

Here are some fun PE activities that you can complete within your home. Also, there are lots of great activities on Go Noodle. You can register for free by following this link <https://www.gonoodle.com/>

## P5 – 7

### Physical Education Bingo

 Be active for at least 60mins every day!

<b>B</b>	<b>I</b>	<b>N</b>	<b>G</b>	<b>O</b>
 40 Jumping Jacks	 40 High Knees	 40 Toe Touches	 40 Butt Kicks	 20 Squats
 40seconds Plank	 20 Mountain Climbers	 20 High Jumps	 2 minute Dancing	 20 Shoulder taps
 10 Burpees	 10 Knee Push ups	<i>1 Good Deed</i>	 15 Sit ups	 2 minute Meditation
 2 minute Jump rope	 20 seconds Crab Walk	 20 Star Jumps	 20 Lunges	 20 seconds Bear Walk
 20 High Kicks	 30s each side Tree pose	 30 seconds V-sit Hold	 1 minute Wall Sit	 1 minute Running on spot

**Go Dragons!**

## **Reading**

### **Novels**

Choose a novel to read (there are some free books you can access on kindle if you need.) Each day read a chapter of the book and in a Reading Log answer the following questions:

1. What is the chapter title?
2. What happened in the chapter?
3. What was your favourite part of the chapter?
4. How did this chapter make you feel? (happy, sad, excited, nervous, scared..) Why?
5. Choose 5 words from the book and write out the dictionary definition.
6. What do you think the author wants the reader to learn from this chapter?
7. Read the next chapter title...in one sentence what do you think will happen next.

### **Newspaper articles**

Read a newspaper article (you can access on CBBC Newsround or ask an adult to help you find others). Answer the following questions.

1. What is the title of the article?
2. What date was the article written and who by?
3. What are the main points about the article?
4. What did you agree with or disagree with in the article?
5. How has the article impacted your way of thinking?

### **Biographies**

Biographies give us information about people's lives. Choose a famous person and research their lives online and then create a PowerPoint about what you have read.

Questions you may ask about the person:

Who are they? When were they born? When did they die? Where are they from? What did they do? Why are they famous? How are they known to the world? What impact did they have on our lives? Etc.

### **History Reading**

There are many amazing stories in history that we can learn a lot from. Read and research an event in history and create an A4 poster all about what you have learnt.

Examples of events in history:

The Vikings, The Declaration of Arbroath, The Union of the Crowns, Glencoe Massacre, Scottish Parliament Reconvened etc. (You may wish to find another event in history).

## Writing:

### Imaginative writing

Choose one of the following openings for a story and let your imagination lead you as you write. Start with a plan (either a written mind map, or speak to someone about what you are thinking). Then put your pen to paper! REMEMEBER VCOP!

Openings:

- Once upon a time in the land of 'Never Forget' lived...
- It was a lovely moonlit night...
- Trudging through the muddy swamp I had a plan...
- I'm an old man stuck on a desert island where my powers are useless...
- Her head was covered in debris as he tried to...
- I was on the swing in the park then suddenly...

### Poetry

This year we have looked at a variety of poetry writing. Choose an idea of a topic from below, do some research about the subject then create either an acrostic poem ( put a word down the side and each line of the poem starts with the letter) or a couplet poem (every two lines rhyme).

Topic ideas: A sport, a time in Scottish history, a country, a shape or an animal

### Journaling

Each day of the week write:

The day in full. eg. Monday 23<sup>rd</sup> March 2020

The time you are writing at. Eg. 11:30am

How you are feeling today and why?

Something that you have done today that you want to remember.

### Spelling:

#### Weekly words

Each day, complete a different activity with your list of words – Syllables, Elkonin Boxes, Diacritical Marking, Pyramid Writing, Train Writing, Rainbow Writing, etc.

Week 1	Week 2
right	Road
write	Rode
ring	Rowed
wring	Route
I will	Root
I shall	We will
I'll	We shall
Circuit	We'll
Circumference	Forecast
Circumnavigate	Foreground
Circumstance	Forehead
circumstantial	Forecourt

Use column addition

$$32.7 + 4.37$$

$$\begin{array}{r} \text{T O. t h} \\ 32.70 \\ + 04.37 \\ \hline \end{array}$$

- 1) Align digits and decimal points.
- 2) Add zeroes as placeholders if needed.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

$$\begin{array}{r} 32.70 \\ + 04.37 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 32.70 \\ + 04.37 \\ \hline 07 \end{array}$$

Carry the 1 to the next column

$$\begin{array}{r} 32.70 \\ + 04.37 \\ \hline 7.07 \end{array}$$

$$\begin{array}{r} 32.70 \\ + 04.37 \\ \hline 37.07 \end{array}$$

Include the 1 in your next addition

Use column subtraction

$$18.9 - 2.82$$

$$\begin{array}{r} \text{T O. t h} \\ 18.90 \\ + 02.82 \\ \hline \end{array}$$

- 1) Align digits and decimal points.
- 2) Add zeroes as placeholders if needed.

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, borrow from the next column.

$$\begin{array}{r} 18.90 \\ - 02.82 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 18.90 \\ - 02.82 \\ \hline 08 \end{array}$$

Borrow from the tenths digit

$$\begin{array}{r} 18.90 \\ - 02.82 \\ \hline 6.08 \end{array}$$

$$\begin{array}{r} 18.90 \\ - 02.82 \\ \hline 16.08 \end{array}$$

Use short multiplication

$$853 \times 6$$

$$\begin{array}{r} 853 \\ \times 6 \\ \hline 8 \end{array}$$

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

$$\begin{array}{r} 853 \\ \times 6 \\ \hline 18 \end{array}$$

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

$$\begin{array}{r} 853 \\ \times 6 \\ \hline 5118 \end{array}$$

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

$$853 \times 6 = 5118$$

Use long multiplication

$$32 \times 45$$

1) Multiply the top ones digit by the bottom ones.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 10 \end{array}$$

$2 \times 5 = 10$   
Carry the one

2) Multiply the top tens digit by the bottom ones.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 160 \end{array}$$

3) Add a zero below the ones digits.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 1600 \end{array}$$

This shows that you are multiplying by 40 rather than 4

4) Multiply the top ones digit by the bottom tens.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 120 \end{array}$$

$4 \times 2 = 8$

5) Multiply the top tens digit by the bottom tens.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 1280 \end{array}$$

$4 \times 3 = 12$

6) Add the two answers together.

$$\begin{array}{r} 32 \\ \times 45 \\ \hline 1280 \\ 1200 \\ \hline 1440 \end{array}$$

Use short division with decimal remainders

$$24 \div 4 = 6$$

divisor: 4, quotient: 6, dividend: 24

$$625 \div 4 =$$

$$\begin{array}{r} 156 \\ 4 \overline{) 625} \end{array}$$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 156.0 \\ 4 \overline{) 625.0} \end{array}$$

2) When you reach the last digit, add a decimal point to the dividend and a decimal point to the quotient.

$$\begin{array}{r} 156.25 \\ 4 \overline{) 625.00} \end{array}$$

3) Continue the division, adding more zeroes to the dividend if needed.

You can check by doing short multiplication.

$$156.25 \times 4 = 625 \checkmark$$

Use long division

$$24 \div 4 = 6$$

divisor: 4, quotient: 6, dividend: 24

$$1472 \div 23 =$$

$$\begin{array}{r} 23 \overline{) 1472} \\ \underline{1150} \phantom{0} \\ 0322 \\ \underline{230} \phantom{0} \\ 092 \\ \underline{92} \\ 00 \end{array}$$

1) Lay out the calculation

2) Subtract a "chunk" (a multiple of the dividend)  
 $23 \times 50 = 1150$

3) Subtract a further "chunk"  
 $23 \times 10 = 230$

4) Subtract a further "chunk"  
 $23 \times 4 = 92$

5) Add up how many "chunks" you have subtracted.  $50 + 10 + 4$

$$1472 \div 23 = 64$$

### Multiply by 10, 100 and 1000

$$\begin{array}{r} 4.5 \times 10 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \end{array}$$

Makes the number 10 times bigger.  
Move each digit one place to the left.

$$\begin{array}{r} 4.5 \times 100 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \quad 0 \end{array}$$

Makes the number 100 times bigger.  
Move each digit two places to the left.

$$\begin{array}{r} 4.5 \times 1000 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \quad 0 \quad 0 \end{array}$$

Makes the number 1000 times bigger.  
Move each digit three places to the left.

- 1) Lay out the number
- 2) Work out the number of places the digits need to move.
- 3) Move each digit, adding in zeroes as placeholders.

### Divide by 10, 100 and 1000

$$\begin{array}{r} 457 \div 10 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \quad 7 \\ 4 \quad 5 \quad 7 \end{array}$$

Makes the number 10 times smaller.  
Move each digit one place to the right.

$$\begin{array}{r} 457 \div 100 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \quad 7 \\ 4 \quad 5 \quad 7 \end{array}$$

Makes the number 100 times smaller.  
Move each digit two places to the right.

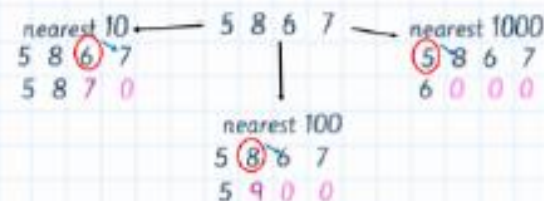
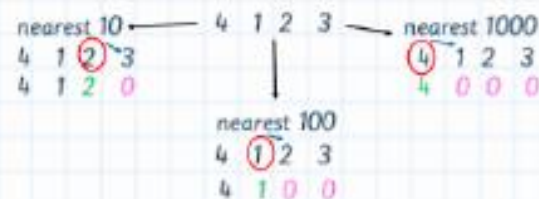
$$\begin{array}{r} 457 \div 1000 \\ \text{Th H T O.} \uparrow \text{h th} \\ 4 \quad 5 \quad 7 \\ 0 \quad 4 \quad 5 \quad 7 \end{array}$$

Makes the number 1000 times smaller.  
Move each digit three places to the right.

- 1) Lay out the number
- 2) Work out the number of places the digits need to move.
- 3) Move each digit, adding in zeroes as placeholders.

### Round whole numbers

- 1) Find your number and circle it
- 2) Look next door
- 3) Less than 4, just ignore
- 4) 5 or more, add one more to the circled number
- 5) Replace the rest with zeroes





## Column addition

1

- 1)  $98,819 + 97,297$
- 2)  $380,023 + 911, 220$
- 3)  $5,915,733 + 1,079,720$
- 4)  $483,249 + 731,511$
- 5)  $7,974,124 + 6,767,934$
- 6)  $69,127 + 39,199$
- 7)  $7,607,810 + 4,669,970$
- 8)  $64,116 + 81,291$
- 9)  $267,804 + 320,469$
- 10)  $55,019 + 78,100$

## Column addition

2

- 1)  $19,341 + 93,738$
- 2)  $985,768 + 414,313$
- 3)  $3,015,921 + 9,782,517$
- 4)  $386,298 + 285,005$
- 5)  $5,734,643 + 9,823,446$
- 6)  $85,476 + 34,861$
- 7)  $3,961,359 + 8,571,511$
- 8)  $57,136 + 97,431$
- 9)  $970,317 + 828,083$
- 10)  $21,386 + 96,145$

## Column addition

3

- 1)  $96,202 + 24,419$
- 2)  $953,818 + 483,905$
- 3)  $7,035,328 + 2,547,582$
- 4)  $743,626 + 893,690$
- 5)  $5,860,803 + 4,843,182$
- 6)  $39,716 + 82,228$
- 7)  $6,276,259 + 5,191,713$
- 8)  $85,976 + 65,220$
- 9)  $395,306 + 684,446$
- 10)  $92,261 + 96,476$

## Column addition

4

- 1)  $24,879 + 56,656$
- 2)  $907,624 + 419,070$
- 3)  $9,031,444 + 2, 799,678$
- 4)  $976,537 + 808,780$
- 5)  $3,177,595 + 6,499,020$
- 6)  $24,089 + 39,588$
- 7)  $7,416,697 + 4,060,349$
- 8)  $98,726 + 87,476$
- 9)  $962,489 + 418,220$
- 10)  $43,181 + 16,408$

## Column addition

5

- 1)  $31,873 + 71,718$
- 2)  $747,706 + 823,406$
- 3)  $9,737,995 + 7,410,344$
- 4)  $545,113 + 708,682$
- 5)  $9,367,304 + 6,750,184$
- 6)  $66,861 + 90,557$
- 7)  $5,876,639 + 5,826,400$
- 8)  $56,074 + 60,726$
- 9)  $627,061 + 670,625$
- 10)  $80,907 + 74,029$

## Column addition

6

- 1)  $12,132 + 87,218$
- 2)  $637,879 + 383,054$
- 3)  $4,473,066 + 6,041,673$
- 4)  $669,754 + 144,258$
- 5)  $4,998,695 + 8,548,108$
- 6)  $25,227 + 69,549$
- 7)  $6,373,668 + 6,780,644$
- 8)  $99,890 + 83,037$
- 9)  $613,373 + 377,154$
- 10)  $99,852 + 61,182$

## Column addition

7

- 1)  $30,257 + 15,419$
- 2)  $165,209 + 350, 784$
- 3)  $3,698,550 + 2,946,476$
- 4)  $169,253 + 391,812$
- 5)  $4,267,379 + 8,542,517$
- 6)  $38,740 + 40,573$
- 7)  $6,868,540 + 3,737,972$
- 8)  $83,787 + 32,736$
- 9)  $845,611 + 578,093$
- 10)  $63,890 + 15,883$

## Column addition

8

- 1)  $50,352 + 63,584$
- 2)  $951,812 + 472, 657$
- 3)  $5,267,682 + 7,699,898$
- 4)  $257,080 + 556,252$
- 5)  $4,426,683 + 5,560,583$
- 6)  $97,516 + 86,051$
- 7)  $4,232,703 + 2,513,942$
- 8)  $94,760 + 52,772$
- 9)  $954,995 + 674,685$
- 10)  $45,209 + 29,876$

## Column addition

9

- 1)  $12,175 + 47,563$
- 2)  $294,457 + 826,034$
- 3)  $8,246,695 + 7,640,620$
- 4)  $265,910 + 310,002$
- 5)  $4,564,701 + 6,866,706$
- 6)  $67,074 + 72,345$
- 7)  $7,563,192 + 7,972,742$
- 8)  $38,243 + 52, 099$
- 9)  $689,240 + 733,196$
- 10)  $16,023 + 18,878$

## Column subtraction

1

- 1)  $650,781 - 643,098$
- 2)  $861,714 - 698,966$
- 3)  $921,231 - 145,736$
- 4)  $435,677 - 346,868$
- 5)  $403,301 - 352,124$
- 6)  $938,163 - 916,336$
- 7)  $751,904 - 751,020$
- 8)  $629,211 - 561,561$
- 9)  $747,613 - 432,247$
- 10)  $404,534 - 161,918$

## Column subtraction

2

- 1)  $572,458 - 498,374$
- 2)  $289,139 - 232,099$
- 3)  $854,473 - 130,068$
- 4)  $562,150 - 297,095$
- 5)  $678,394 - 464,334$
- 6)  $980,657 - 568,790$
- 7)  $636,526 - 270,528$
- 8)  $693,868 - 384,808$
- 9)  $696,660 - 363,227$
- 10)  $900,363 - 799,452$

## Column subtraction

3

- 1)  $833,553 - 767,873$
- 2)  $522,499 - 156,165$
- 3)  $885,207 - 299,076$
- 4)  $933,798 - 446,145$
- 5)  $816,704 - 687,816$
- 6)  $682,968 - 100,502$
- 7)  $267,769 - 262,462$
- 8)  $729,669 - 593,571$
- 9)  $934,021 - 868,273$
- 10)  $505,185 - 447,851$

## Column subtraction

4

- 1)  $959,630 - 689,319$
- 2)  $984,827 - 942,593$
- 3)  $470,442 - 262,577$
- 4)  $692,394 - 220,865$
- 5)  $831,544 - 221,567$
- 6)  $588,304 - 348,136$
- 7)  $732,032 - 500,097$
- 8)  $847,672 - 552,131$
- 9)  $957,402 - 191,656$
- 10)  $447,010 - 263,246$

## Column subtraction

5

- 1)  $562,648 - 421,547$
- 2)  $957,538 - 139,604$
- 3)  $963,108 - 405,059$
- 4)  $936,575 - 883,164$
- 5)  $755,485 - 709,414$
- 6)  $812,595 - 176,114$
- 7)  $582,357 - 520,375$
- 8)  $423,430 - 368,372$
- 9)  $738,528 - 523,465$
- 10)  $885,750 - 178,852$

## Column subtraction

6

- 1)  $729,196 - 516,848$
- 2)  $765,454 - 301,730$
- 3)  $712,528 - 661,319$
- 4)  $928,326 - 490,785$
- 5)  $884,374 - 295,275$
- 6)  $929,828 - 699,370$
- 7)  $503,538 - 431,353$
- 8)  $646,580 - 504,602$
- 9)  $308,006 - 226,851$
- 10)  $579,986 - 180,074$

## Column subtraction

7

- 1)  $881,340 - 366,610$
- 2)  $776,931 - 319,649$
- 3)  $559,841 - 158,449$
- 4)  $368,887 - 125,641$
- 5)  $734,323 - 142,971$
- 6)  $872,382 - 286,573$
- 7)  $767,285 - 730,276$
- 8)  $930,135 - 804,207$
- 9)  $360,684 - 306,150$
- 10)  $900,034 - 882,634$

## Column subtraction

8

- 1)  $897,109 - 565,197$
- 2)  $580,686 - 414,664$
- 3)  $984,520 - 131,396$
- 4)  $264,385 - 142,288$
- 5)  $738,211 - 537,550$
- 6)  $152,613 - 146,981$
- 7)  $620,290 - 160,764$
- 8)  $734,179 - 433,822$
- 9)  $978,320 - 659,466$
- 10)  $766,363 - 361,957$

## Column subtraction

9

- 1)  $741,728 - 685,975$
- 2)  $927,561 - 628,843$
- 3)  $968,796 - 305,198$
- 4)  $675,329 - 447,448$
- 5)  $670,452 - 288,250$
- 6)  $901,267 - 144,492$
- 7)  $722,062 - 663,114$
- 8)  $894,202 - 407,946$
- 9)  $325,954 - 180,330$
- 10)  $881,949 - 3413,611$

## Short multiplication

1

- 1)  $3,827 \times 4$
- 2)  $1,543 \times 6$
- 3)  $8,302 \times 5$
- 4)  $9,731 \times 8$
- 5)  $7,628 \times 3$
- 6)  $2,987 \times 2$
- 7)  $7,412 \times 9$
- 8)  $8,293 \times 3$
- 9)  $4,285 \times 7$
- 10)  $1,659 \times 8$

## Short multiplication

2

- 1)  $3,919 \times 6$
- 2)  $4,848 \times 6$
- 3)  $7,224 \times 9$
- 4)  $2,546 \times 5$
- 5)  $4,305 \times 4$
- 6)  $2,230 \times 8$
- 7)  $3,148 \times 5$
- 8)  $9,206 \times 6$
- 9)  $8,818 \times 5$
- 10)  $2,393 \times 6$

## Short multiplication

3

- 1)  $2,057 \times 7$
- 2)  $6,419 \times 5$
- 3)  $5,332 \times 8$
- 4)  $2,203 \times 4$
- 5)  $5,789 \times 7$
- 6)  $9,894 \times 6$
- 7)  $8,264 \times 2$
- 8)  $5,247 \times 9$
- 9)  $5,282 \times 8$
- 10)  $3,868 \times 4$

## Short multiplication

4

- 1)  $1,757 \times 9$
- 2)  $2,026 \times 3$
- 3)  $6,304 \times 9$
- 4)  $5,202 \times 6$
- 5)  $6,447 \times 5$
- 6)  $4,846 \times 9$
- 7)  $6,135 \times 5$
- 8)  $1,249 \times 3$
- 9)  $5,481 \times 2$
- 10)  $2,001 \times 3$

## Short multiplication

5

- 1)  $8,210 \times 3$
- 2)  $7,087 \times 4$
- 3)  $1,613 \times 3$
- 4)  $6,184 \times 6$
- 5)  $3,197 \times 2$
- 6)  $6,261 \times 7$
- 7)  $8,205 \times 8$
- 8)  $5,916 \times 4$
- 9)  $4,962 \times 3$
- 10)  $7,731 \times 8$

## Short multiplication

6

- 1)  $7,269 \times 5$
- 2)  $7,240 \times 8$
- 3)  $9,779 \times 7$
- 4)  $2,738 \times 5$
- 5)  $3,818 \times 7$
- 6)  $5,397 \times 9$
- 7)  $4,861 \times 3$
- 8)  $5,118 \times 6$
- 9)  $9,298 \times 6$
- 10)  $4,313 \times 9$

## Short multiplication

7

- 1)  $9,040 \times 2$
- 2)  $1,266 \times 9$
- 3)  $5,431 \times 6$
- 4)  $2,582 \times 2$
- 5)  $5,082 \times 2$
- 6)  $7,010 \times 5$
- 7)  $8,896 \times 6$
- 8)  $8,891 \times 5$
- 9)  $9,476 \times 8$
- 10)  $2,129 \times 8$

## Short multiplication

8

- 1)  $9,688 \times 9$
- 2)  $2,009 \times 9$
- 3)  $1,115 \times 9$
- 4)  $4,043 \times 6$
- 5)  $3,221 \times 5$
- 6)  $6,245 \times 8$
- 7)  $2,952 \times 5$
- 8)  $9,620 \times 6$
- 9)  $3,311 \times 7$
- 10)  $9,441 \times 2$

## Short multiplication

9

- 1)  $4,855 \times 6$
- 2)  $3,255 \times 3$
- 3)  $3,444 \times 6$
- 4)  $2,273 \times 7$
- 5)  $6,829 \times 7$
- 6)  $2,335 \times 8$
- 7)  $7,235 \times 8$
- 8)  $6,507 \times 4$
- 9)  $4,878 \times 5$
- 10)  $1,819 \times 3$

## Short division

1

- 1)  $2559 \div 3$
- 2)  $2756 \div 4$
- 3)  $1905 \div 3$
- 4)  $1620 \div 2$
- 5)  $1296 \div 8$
- 6)  $5994 \div 6$
- 7)  $1200 \div 4$
- 8)  $728 \div 7$
- 9)  $1474 \div 2$
- 10)  $1530 \div 3$

## Short division

2

- 1)  $1110 \div 6$
- 2)  $675 \div 5$
- 3)  $777 \div 3$
- 4)  $7544 \div 8$
- 5)  $2842 \div 7$
- 6)  $4800 \div 8$
- 7)  $504 \div 3$
- 8)  $4235 \div 7$
- 9)  $1314 \div 6$
- 10)  $5488 \div 8$

## Short division

3

- 1)  $21494 \div 6$
- 2)  $428 \div 2$
- 3)  $1158 \div 6$
- 4)  $980 \div 7$
- 5)  $4779 \div 9$
- 6)  $6894 \div 9$
- 7)  $6426 \div 9$
- 8)  $5104 \div 8$
- 9)  $7740 \div 9$
- 10)  $2241 \div 9$

## Short division

4

- 1)  $5327 \div 7$
- 2)  $4260 \div 5$
- 3)  $3456 \div 8$
- 4)  $2114 \div 7$
- 5)  $2502 \div 9$
- 6)  $4190 \div 5$
- 7)  $3252 \div 4$
- 8)  $4345 \div 5$
- 9)  $5076 \div 6$
- 10)  $4376 \div 8$

## Short division

5

- 1)  $2400 \div 5$
- 2)  $2422 \div 7$
- 3)  $363 \div 3$
- 4)  $4038 \div 6$
- 5)  $3660 \div 6$
- 6)  $2961 \div 7$
- 7)  $5976 \div 9$
- 8)  $1626 \div 3$
- 9)  $886 \div 2$
- 10)  $2020 \div 5$

## Short division

6

- 1)  $888 \div 4$
- 2)  $2072 \div 7$
- 3)  $2367 \div 9$
- 4)  $7752 \div 8$
- 5)  $1480 \div 5$
- 6)  $3312 \div 9$
- 7)  $424 \div 4$
- 8)  $6234 \div 9$
- 9)  $4452 \div 6$
- 10)  $3036 \div 6$

## Short division

7

- 1)  $2736 \div 8$
- 2)  $8415 \div 9$
- 3)  $840 \div 3$
- 4)  $1368 \div 2$
- 5)  $1472 \div 4$
- 6)  $3003 \div 7$
- 7)  $942 \div 3$
- 8)  $5464 \div 8$
- 9)  $1948 \div 2$
- 10)  $814 \div 2$

## Short division

8

- 1)  $2271 \div 3$
- 2)  $5769 \div 9$
- 3)  $5440 \div 8$
- 4)  $2997 \div 3$
- 5)  $872 \div 8$
- 6)  $3088 \div 8$
- 7)  $2708 \div 3$
- 8)  $2457 \div 9$
- 9)  $1748 \div 3$
- 10)  $1396 \div 4$

## Short division

9

- 1)  $1347 \div 3$
- 2)  $6840 \div 8$
- 3)  $1948 \div 2$
- 4)  $2712 \div 6$
- 5)  $1566 \div 2$
- 6)  $2997 \div 9$
- 7)  $2992 \div 3$
- 8)  $7713 \div 9$
- 9)  $1220 \div 2$
- 10)  $1790 \div 2$

## Rounding (T, H, Th)

1

- 1) 4368
- 2) 3007
- 3) 8767
- 4) 6111
- 5) 3288
- 6) 2182
- 7) 7451
- 8) 9073
- 9) 5456
- 10) 9672

## Rounding (T, H, Th)

2

- 1) 327
- 2) 192
- 3) 853
- 4) 769
- 5) 407
- 6) 250
- 7) 1436
- 8) 1925
- 9) 2413
- 10) 3179

## Rounding (T, H, Th)

3

- 1) 5734
- 2) 6952
- 3) 4577
- 4) 9552
- 5) 426
- 6) 3075
- 7) 5216
- 8) 7614
- 9) 8072
- 10) 1927

## Rounding (T, H, Th)

4

- 1) 2351
- 2) 8062
- 3) 3528
- 4) 4993
- 5) 5455
- 6) 837
- 7) 4276
- 8) 9648
- 9) 690
- 10) 116

## Rounding (T, H, Th)

5

- 1) 626
- 2) 731
- 3) 842
- 4) 50
- 5) 5259
- 6) 5736
- 7) 3244
- 8) 6276
- 9) 2220
- 10) 3637

## Rounding (T, H, Th)

6

- 1) 32,567
- 2) 28,913
- 3) 12,531
- 4) 42,755
- 5) 56,374
- 6) 87,662
- 7) 61,124
- 8) 24,326
- 9) 37,267
- 10) 48,112

## Rounding (T, H, Th)

7

- 1) 55,545
- 2) 92,690
- 3) 142,582
- 4) 664,941
- 5) 371,895
- 6) 541,844
- 7) 821,826
- 8) 443,002
- 9) 724,816
- 10) 228,499

## Rounding (T, H, Th)

8

- 1) 923,624
- 2) 274,683
- 3) 811,118
- 4) 725,621
- 5) 284,668
- 6) 330,648
- 7) 847,822
- 8) 610,224
- 9) 924,167
- 10) 372,862

## Rounding (T, H, Th)

9

- 1) 206,804
- 2) 765,123
- 3) 648,538
- 4) 117,326
- 5) 442,381
- 6) 809,555
- 7) 643,225
- 8) 592,184
- 9) 682,186
- 10) 702,246

Multiply by 10,100,1000

1

- 1) 36
- 2) 4.3
- 3) 38
- 4) 833
- 5) 2.32
- 6) 74.4
- 7) 24
- 8) 7.4
- 9) 257
- 10) 3.4

Multiply by 10,100,1000

2

- 1) 3.92
- 2) 573
- 3) 34
- 4) 2.3
- 5) 0.63
- 6) 3.4
- 7) 256
- 8) 2.8
- 9) 9.32
- 10) 92

Multiply by 10,100,1000

3

- 1) 0.03
- 2) 0.42
- 3) 3.4
- 4) 2.33
- 5) 24
- 6) 0.321
- 7) 43
- 8) 684
- 9) 234
- 10) 5.3

Multiply by 10,100,1000

4

- 1) 343
- 2) 0.003
- 3) 0.0436
- 4) 0.32
- 5) 3.33
- 6) 0.321
- 7) 4.21
- 8) 53
- 9) 467
- 10) 2.46

Multiply by 10,100,1000

5

- 1) 4,336
- 2) 83.2
- 3) 9.42
- 4) 578
- 5) 9.31
- 6) 0.32
- 7) 32.32
- 8) 93.2
- 9) 3,436
- 10) 3,200

Multiply by 10,100,1000

6

- 1) 342
- 2) 4.33
- 3) 0.004
- 4) 0.43
- 5) 3.567
- 6) 213
- 7) 3,783
- 8) 3.43
- 9) 0.34
- 10) 5.32

Multiply by 10,100,1000

7

- 1) 4.34
- 2) 97.5
- 3) 0.006
- 4) 0.678
- 5) 9.323
- 6) 3.6
- 7) 34.7
- 8) 67.33
- 9) 1,233
- 10) 4,674

Multiply by 10,100,1000

8

- 1) 3.6
- 2) 0.004
- 3) 0.042
- 4) 4.363
- 5) 3,432
- 6) 43
- 7) 6.43
- 8) 9.8
- 9) 7.899
- 10) 0.033

Multiply by 10,100,1000

9

- 1) 3.6
- 2) 0.003
- 3) 43.3
- 4) 3.437
- 5) 2.3
- 6) 343
- 7) 23
- 8) 3,789
- 9) 2,343
- 10) 243

Divide by 10,100,1000

1

- 1) 457,643
- 2) 45,000
- 3) 500
- 4) 2,456,000
- 5) 4,764
- 6) 5,789
- 7) 35,678
- 8) 4,000
- 9) 6,000,000
- 10) 44,530

Divide by 10,100,1000

2

- 1) 5,456,000
- 2) 5,000
- 3) 540
- 4) 97
- 5) 2,000
- 6) 7,434
- 7) 8,300
- 8) 5,460
- 9) 1,000,000
- 10) 45,560

Divide by 10,100,1000

3

- 1) 5,000,000
- 2) 563,000
- 3) 56,000
- 4) 493
- 5) 507,000
- 6) 505,060
- 7) 86.5
- 8) 975,050
- 9) 203,000
- 10) 4,303,000

Divide by 10,100,1000

4

- 1) 56,000
- 2) 6,504,000
- 3) 560
- 4) 903,430
- 5) 345,000
- 6) 245
- 7) 3,203
- 8) 567
- 9) 2,345
- 10) 24.9

Divide by 10,100,1000

5

- 1) 860
- 2) 3,345
- 3) 7,806
- 4) 80,000
- 5) 505,000
- 6) 9,906,000
- 7) 5,632
- 8) 568
- 9) 85.7
- 10) 943.3

Divide by 10,100,1000

6

- 1) 5,402
- 2) 4.54
- 3) 492.4
- 4) 67,050
- 5) 34,300
- 6) 8,800,000
- 7) 98.5
- 8) 5993.4
- 9) 956.6
- 10) 56.4

Divide by 10,100,1000

7

- 1) 560,000
- 2) 4,499
- 3) 56.4
- 4) 4965.4
- 5) 633.5
- 6) 450,000
- 7) 203,050
- 8) 6.7
- 9) 56.7
- 10) 943.2

Divide by 10,100,1000

8

- 1) 96,400
- 2) 6,383,000
- 3) 5,500
- 4) 4,764.5
- 5) 678.4
- 6) 93.4
- 7) 9.7
- 8) 403.42
- 9) 56.6
- 10) 554,050

Divide by 10,100,1000

9

- 1) 55,000
- 2) 432.4
- 3) 5,503.4
- 4) 6,700,000
- 5) 4,540,040
- 6) 564.5
- 7) 67.6
- 8) 4.4
- 9) 5
- 10) 65.3

Fraction of a number

1

- 1)  $\frac{1}{5}$  of 10 =
- 2)  $\frac{2}{3}$  of 60 =
- 3)  $\frac{1}{5}$  of 20 =
- 4)  $\frac{3}{8}$  of 80 =
- 5)  $\frac{3}{10}$  of 630 =
- 6)  $\frac{2}{10}$  of 120 =
- 7)  $\frac{4}{12}$  of 384 =
- 8)  $\frac{1}{2}$  of 30 =
- 9)  $\frac{2}{8}$  of 192 =
- 10)  $\frac{1}{4}$  of 48 =

Fraction of a number

2

- 1)  $\frac{1}{12}$  of 36 =
- 2)  $\frac{2}{4}$  of 64 =
- 3)  $\frac{1}{3}$  of 6 =
- 4)  $\frac{4}{8}$  of 288 =
- 5)  $\frac{2}{12}$  of 284 =
- 6)  $\frac{1}{3}$  of 30 =
- 7)  $\frac{2}{6}$  of 48 =
- 8)  $\frac{2}{8}$  of 168 =
- 9)  $\frac{5}{8}$  of 270 =
- 10)  $\frac{3}{4}$  of 60 =

Fraction of a number

3

- 1)  $\frac{2}{3}$  of 36 =
- 2)  $\frac{2}{3}$  of 69 =
- 3)  $\frac{2}{6}$  of 270 =
- 4)  $\frac{2}{12}$  of 340 =
- 5)  $\frac{2}{10}$  of 540 =
- 6)  $\frac{2}{6}$  of 80 =
- 7)  $\frac{3}{4}$  of 60 =
- 8)  $\frac{2}{10}$  of 240 =
- 9)  $\frac{2}{10}$  of 200 =
- 10)  $\frac{4}{8}$  of 48 =

Fraction of a number

4

- 1)  $\frac{4}{12}$  of 384 =
- 2)  $\frac{1}{8}$  of 16 =
- 3)  $\frac{2}{3}$  of 36 =
- 4)  $\frac{2}{5}$  of 50 =
- 5)  $\frac{3}{4}$  of 64 =
- 6)  $\frac{2}{8}$  of 400 =
- 7)  $\frac{2}{3}$  of 72 =
- 8)  $\frac{4}{8}$  of 288 =
- 9)  $\frac{2}{3}$  of 18 =
- 10)  $\frac{1}{4}$  of 28 =

Fraction of a number

5

- 1)  $\frac{2}{3}$  of 48 =
- 2)  $\frac{3}{4}$  of 72 =
- 3)  $\frac{1}{5}$  of 10 =
- 4)  $\frac{4}{8}$  of 352 =
- 5)  $\frac{2}{10}$  of 180 =
- 6)  $\frac{1}{3}$  of 18 =
- 7)  $\frac{8}{12}$  of 672 =
- 8)  $\frac{2}{12}$  of 72 =
- 9)  $\frac{1}{8}$  of 54 =
- 10)  $\frac{4}{8}$  of 72 =

Fraction of a number

6

- 1)  $\frac{1}{6}$  of 66 =
- 2)  $\frac{2}{3}$  of 60 =
- 3)  $\frac{8}{12}$  of 1152 =
- 4)  $\frac{1}{8}$  of 36 =
- 5)  $\frac{3}{4}$  of 144 =
- 6)  $\frac{1}{3}$  of 24 =
- 7)  $\frac{2}{8}$  of 480 =
- 8)  $\frac{2}{8}$  of 80 =
- 9)  $\frac{2}{10}$  of 200 =
- 10)  $\frac{1}{4}$  of 8 =

Fraction of a number

7

- 1)  $\frac{2}{5}$  of 70 =
- 2)  $\frac{1}{5}$  of 180 =
- 3)  $\frac{1}{3}$  of 30 =
- 4)  $\frac{2}{5}$  of 40 =
- 5)  $\frac{2}{8}$  of 36 =
- 6)  $\frac{1}{3}$  of 36 =
- 7)  $\frac{4}{10}$  of 200 =
- 8)  $\frac{2}{4}$  of 48 =
- 9)  $\frac{2}{3}$  of 66 =
- 10)  $\frac{4}{8}$  of 144 =

Fraction of a number

8

- 1)  $\frac{2}{4}$  of 72 =
- 2)  $\frac{5}{10}$  of 300 =
- 3)  $\frac{2}{8}$  of 160 =
- 4)  $\frac{1}{4}$  of 32 =
- 5)  $\frac{7}{8}$  of 504 =
- 6)  $\frac{8}{12}$  of 576 =
- 7)  $\frac{4}{8}$  of 224 =
- 8)  $\frac{3}{10}$  of 90 =
- 9)  $\frac{5}{12}$  of 720 =
- 10)  $\frac{2}{12}$  of 660 =

Fraction of a number

9

- 1)  $\frac{2}{10}$  of 150 =
- 2)  $\frac{7}{8}$  of 128 =
- 3)  $\frac{2}{8}$  of 96 =
- 4)  $\frac{2}{5}$  of 100 =
- 5)  $\frac{2}{10}$  of 150 =
- 6)  $\frac{5}{12}$  of 432 =
- 7)  $\frac{1}{8}$  of 48 =
- 8)  $\frac{1}{3}$  of 36 =
- 9)  $\frac{2}{8}$  of 84 =
- 10)  $\frac{3}{8}$  of 150 =



## Creative Time

Here are some great challenges that you could try during your creative time.

# 30 Day **LEGO** Challenge

<p style="color: green; font-weight: bold;">Follow the instructions for each day. The only rule is to have fun and use your imagination!</p>						
Day 1 You were hired by an amusement park to create a new roller coaster.		Day 2 NASA needs you to build a new rocket.		Day 3 Your parents want to build a new home and they want you to build it.		Day 4 Hollywood hires you to build a movie set for a new Star Wars movie.
Day 5 You enter a contest to build the world's tallest tower. Will you win?	Day 6 You are stuck on Mars and need to build a new ship to get home.	Day 7 Ford hires you to create the toughest pick up truck in the world.	Day 8 You and 4 friends are stranded on an island. Build a boat to find a way home.	Day 9 Captain Hook needs a new pirate ship and wants you to build it.	Day 10 You and your friends decide to build a tree house.	Day 11 Prince Charming hires you to build a castle for him & Cinderella.
Day 12 Dr. Who hires you to build a new TARDIS.	Day 13 You are asked by the President to build a new monument to George Washington.	Day 14 Mr. Hilton hires you to build a new hotel.	Day 15 There is a circus in town. Build a place for the performance.	Day 16 Help your fellow pioneers build a wagon to make it across the country.	Day 17 Build the fastest car around and join the big car race.	Day 18 Do you wanna build a snowman? Get in the winter mood and build a snow scene.
Day 19 The city wants you to build a bridge to connect one side of the town to the other.	Day 20 Pizza party! It is up to you to make a pizza for all the guests.	Day 21 You are hired to build a brand new hospital.	Day 22 The fence is broke and the dog keeps escaping. Build one he can't get out of.	Day 23 You are now in medieval times. You are commissioned to build a jousting arena.	Day 24 The local bank keeps getting robbed. Build a safe no one can crack.	Day 25 Design and build your dream bedroom.
Day 26 You are elected ruler. Build a flag for your land.	Day 27 Aliens are invading and you need to build a war robot to defeat them.	Day 28 The aliens have taken over. They are impressed by your robot. They want you build one for them.	Day 29 You are hired to build a house entirely out of yellow Legos.	Day 30 There is blizzard. You will need to build a snowmobile		<p>What was your favorite day?</p>





