P7

Remember to check Teams daily

Please email or contact me through Teams if you have any questions

Literacy

- Read chapters 11, 12 and 13 of 'Carrie's War' and answer the questions in the Literacy pack provided, also available on P7 Teams.
- Chapter 14 'Carrie's War' – Agony Aunt Letter See page 3
- Chapter 15 'Carrie's War' – The End See page 4
- Listen to Carries War Complete all episodes https://www.bbc.co.uk/teach/school-radio/english-ks1--ks2-carries-war/zK7mcqt
- Accelerated Reading – continue to read daily and quiz. Try Epic! A digital library, offering access to over 40 000 high quality books. Class code XMW2736
- CV Book 6 Spelling Pattern ise/ ive and Prim Ed Book D Spelling Pattern Suffixes-. See page 2
- Carrie's War Book Review – see page 4 and 5
- Try the online quiz after you have completed Carrie's War and the Accelerated Reading Quiz as well. https://www.funtrivia.com/playquiz/quiz2956222ld8ld8.html and AR Quiz https://ukhosted63.renlearn.co.uk/2232020/
- Sumdog Grammar Challenge has been set.
- Reflective Writing Project - see page 10 and 11

Numeracy and Maths – Equations and Problem Solving

- P7 will be able to access TopMarks and play Problem Solving games https://www.topmarks.co.uk/maths-games/7-11-years/problem-solving
- Sumdog Maths - www.sumdog.com/user/sign_in play Sumdog regularly, login details are in the jotter. New challenge has been set based on Number Revision
- Education city - https://www.educationcity.com/ go to Topic Filter and select Equations and Problem Solving
- Practise times table facts on TopMarks maths games. Particularly good games are 'Hit the Button' and 'Daily 10' www.topmarks.co.uk/maths-games/7-11-years/times-tables. Try to beat an adult's score.
- Maths Workout - www.mathsworkout.co.uk for all areas of maths.(Username: *coyltonps* Password: *share41*) - Go to Algebra and Problem Solving and select Solving Equations (85 tasks) and Problems and Puzzles (96 tasks)
- Countdown – Who can reach the target number first in your family? https://nrich.maths.org/6499
- Daily Number Talks Chilli Challenges will be uploaded on to the Numeracy Channel within P7 Microsoft Teams
- June Rigour – see additional home learning grids
- Times Table Rockstars – instructions are included in an email sent to parents.
- Equations – see challenge at the bottom of this page

Health and Wellbeing/ Expressive Arts/ IDL

Career Cards – look in the additional learning grids and try one of the career cards and I will share in TEAMS as well https://blogs.glowscotland.org.uk/sa/coyltonpsandeyc/additional-home-learning-grids/	HWB Transition to Secondary – tasks on page 6, 7, 8 and 9
PE – Netflex. There is a variety of physical exercises you can take part in. I will add this to TEAMS in the IDL channel	Space Art – see page 12, 13 and 14
'Coping during the Pandemic', a course of 9 short lessons. https://lms.recoverycollegeonline.co.uk/course/view.php?id=375	HWB Take Away Challenge – see page 15, 16, 17 and 18
PE – start preparing yourself for our Virtual Sports Activities	Music – create a family music quiz from the different decades 'Guess this Song'-Alexa and Spotify may help you!
Lots of additional tasks within the school website https://blogs.glowscotland.org.uk/sa/coyltonpsandeyc/additional-home-learning-grids/	A super Mindfulness App to download – 'Smilingmind' – This involves meditation.

Space Term 4 Topic

This is the opportunity for you to put all your knowledge you have gained over the last few weeks and present it in a PowerPoint or Sway (you will find this in Glow). You may want to research an area of space that has not been covered and share this in your work. These are the tiles you are looking for on Glow

Office 365 Home
Microsoft Office 365

or

Sway
Microsoft Office 365

Numeracy and Maths Challenge
Equations
What are Equations? Click on the link and it will explain it to you.
https://www.bbc.co.uk/bitesize/guides/zb9bKqt/revision/1

On Pages 19 – 28 I have included videos and written work linked to Equations. It starts off with revising the concept and then becomes increasingly trickier.

I have found some interactive games you can play to reinforce the concepts you have been taught on pages 19 -28.
http://www.math-play.com/equation-games.html
https://eng.mathgames.com/skill/6.42-mixed-equations-with-whole-numbers

Lots of games on Equations and all other Maths concepts within the next link
https://eng.mathgames.com/year6

Literacy – Spelling

P7 Curriculum Visions Book 6   ise   01.06.20

1. exercise
2. organise
3. promise
4. realise
5. surprise
6. advise
7. devise
8. excise
9. prise
10. revise
11. advertise
12. despise
13. disguise
14. dramatise
15. practise
16. emphasise
17. franchise
18. improvise
19. merchandise
20. synchronise

Spelling Tasks

- Learn your words by – look, say, cover, write, do and check.
- Use a dictionary to find the meaning of some of the unfamiliar words.
- Record synonyms (words that mean the same) to at least 6 of your spelling words.
- Find the difference between each of these homophones.
    a) Practise and practice
    b) Devise and device
- Try the free -ise suffix games in the following website
  https://www.spellzone.com/word_lists/games-422013.htm

### P7 Curriculum Visions Book 6   ive   08.06.20

1. attractive
2. detective
3. impressive
4. protective
5. talkative
6. alternative
7. decorative
8. inventive
9. expensive
10. explosive
11. destructive
12. disruptive
13. distinctive
14. excessive
15. supportive

Challenge words
16. argumentative 17. cooperative 18. defective
19. offensive   20. persuasive

Spelling Tasks

- Learn your words by – look, say, cover, write, do and check.
- Find 8 words from the word list in this wordsearch.
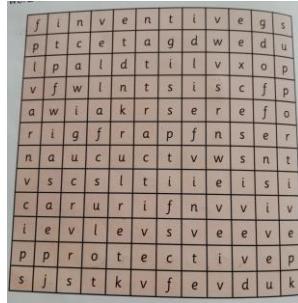
- Try the free –ive suffix games in the following website
  https://www.spellzone.com/word_lists/games-917212.htm
- What does the –ive suffix mean?

P7 Prim-Ed Book D Suffixes –less –ly -ness
01.06.20 –less –ness

1. helpless
2. harmless
3. careless
4. hopeless
5. needless
6. breathless
7. sadness
8. awareness
9. sickness
10. happiness

08.06.20 – ness -ly

1. weakness
2. braveness
3. cleanliness
4. business
5. quietly
6. lonely
7. wisely
8. lovely
9. brightly
10. quickly

Spelling Tasks

1. Learn your words by – look, say, trace, cover, write, do and check.
2. Write the list words that contain these small words
   is _____   at_____ on _____ are _____ in _____
3. Which suffix has the following meanings
    a) like, manner _____
    b) without _____
    c) quality or condition _____
4. Play word games containing these suffixes. https://www.spellzone.com/word_lists/games-129264.htm
5. Write you spelling words in up-levelled sentences, include adjectives, adverbs.

Online Spelling

https://pages.sumdog.com/.

New challenges have been set for each week, or fortnightly linked to your spelling patterns. Some of the words may vary from the lists above.

Active Spelling

Have fun as a family and play countdown Word Game….
  http://happysoft.org.uk/countdown/wordgame.php

Or have fun playing Clueless Crossword
  https://www.learninggamesforkids.com/word_games/spelling-games/clueless-crossword.html

Spelling

Please feel free to email your spelling work ☺

Literacy – Carrie's War

<u>Chapter 14 - Agony Aunt Letter</u>

How is Mr Evans feeling now? Write a letter to an 'Agony Aunt' column, as found in newspapers and magazines, imagining you are Mr Evans. Write the reply from the Agony Aunt as well.

1. Read the following example of a letter to an Agony Aunt column

No address – informal with name

Dear Agony Annie,
I know this might sound like nothing compared to a lot of readers' problems but I'm really depressed because I'm not allowed to have a dog. My family lives in the countryside and I don't get to meet many people my age. Because of this I feel very isolated and lonely. With a dog I'd be able to get out and about more, but my mum doesn't like them. How can I make her see how much it would help me?
(Leicester city fan)

Description of feelings

The problem

Question needing response

Finished informally

2. Next, begin by listing out and planning what you are going to write and <u>remember</u>:
   - <u>Structure</u> - Introduction – elaboration of problem – request for advice
   - <u>Informality</u> of the letter
   - Try not to repeat the word 'worry' or 'worried' see if you can think of other words instead
   - Put yourself into the <u>role</u> of Mr Evan – What/how would you be <u>thinking and feeling</u>? - What would be <u>preying on your mind</u>?
3. Then, write the reply from the Agony Aunt. Look at the example below.

The Reply...

Connective: Different View

Dear Leicester City Fan,
You can't make your mum suddenly like dogs, but you could make her more aware of your loneliness. Talk to her about how you feel and what you'd like to be different. I know it seems like a dog is the answer to your emptiness at the moment, but in your heart of hearts you know what you want is a different life. The sort of life you really want, with mates and freedom, isn't one that a dog will fit into. It's corny, I know, but a dog is for life. It's a major commitment. And who's going to look after it when you're ready to move on, which you will be soon? Don't get a dog, work on getting a life. You have a whole lifetime ahead to have dogs.

Sympathises

Informal/collo quial style

Imperative verbs

Sums up at the end

Imperative verb – A word that expresses a direct command or request
Colloquial – Informal language. Often sounds similar to a casual conversation or how you would speak with your friends.

4. Write your reply .using the features mentioned in the example.

Carrie's War Chapter 15- The End

Carrie and Albert are about to meet up again at the end of the novel. Create a short script of the conversation

The following link will help you understand what a script is and provides an example of one.
https://www.bbc.co.uk/bitesize/guides/zqwycdm/revision/6

Book Review

Title: Carrie's War

Author: _____

Illustrator: _____

(Circle)   Fiction   Non- Fiction

Genre: _____

My rating (colour in how many stars you would give it):

☆☆☆☆☆

Describe the characters and their traits:

The Setting:

The Atmosphere and Mood:

Literary Effects (alliteration, simile, metaphor, personification, onomatopoeia):

My favourite part:

What happened in the story?

This story could be better if…

Overall you should read this story because…

This book relates to me and my life because…

Transition to Secondary

Use the template below to create a fortune teller to ask family members what life was like for them at secondary school. You can use the questions provided or you may create ones that you want to ask.

To make your puzzler...

1. Cut out the Puzzler square.
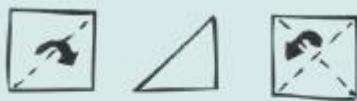
Fold and crease the square along each diagonal. Open it out and lay it flat.

2. Turn the square over so that the writing is on the back. Fold all four corners into the centre.
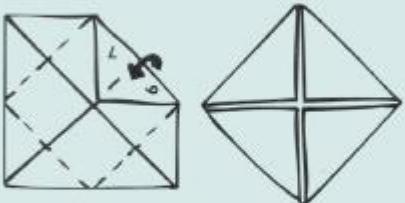
3. Turn the square over again (with the flaps facing down). Fold the four corners into the centre again.
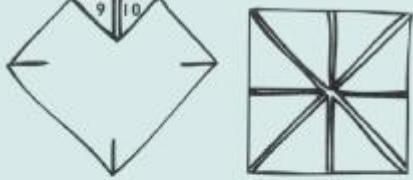
4. Fold the square towards you in half.
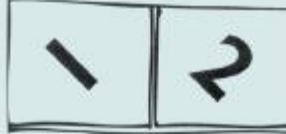
5. Push the top corners towards the centre
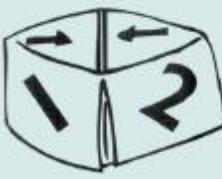
6. Open out the top flaps.
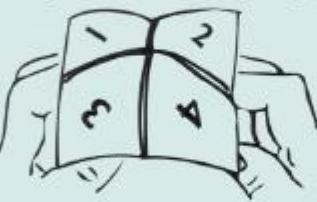
Put one finger or thumb in each of the four compartments - this will allow you to operate the puzzler.

Cut along dotted lines ✂

2

What did you do at lunchtime?

3

What funny memory do you have of seconday school?

1

What did you take with you to secondary school?

4

How did you travel to secondary school?

What was your favourite subject?

8

What happened if you didn't do your homework?

5

What time did you start school?

7

Who was your favourite teacher?

6
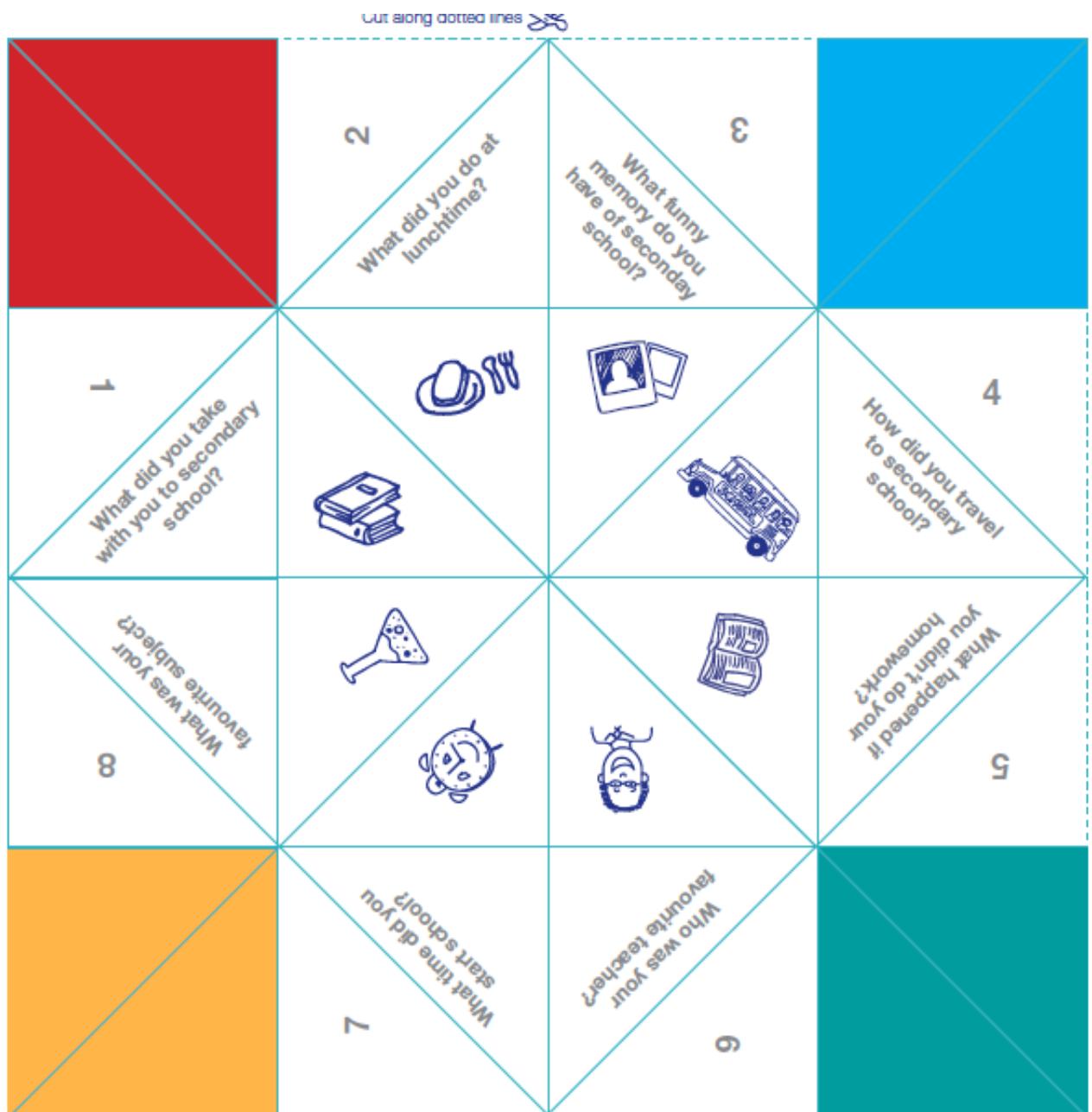
Changes Ahead

Changes ahead

With a family member **talk** about what will stay the same when you move to secondary school and then write or draw it inside the middle section of the Changes sheet. e.g *my cat Smudge will still sleep on my bed! My favourite tea will still be pizza, I will still live at...*

Then **talk together** about what it's like at primary school (write that in the primary school half) and how it's different at secondary school (write that in the secondary school half) *e.g I have one teacher (at primary school) ... I will have lots of different teachers (at secondary school).*

Looking at what you have written about the changes how are you both feeling about the changes that going to secondary school will bring?

Use the 'Changes' sheet

Me | What we're excited about/looking forward to... | **Family**

Me | What we're a bit worried about... | **Family**

Changes

Primary School

$3+5=8$

Me Staying the same!

Secondary School

Reflective Writing

Take a trip down memory lane with your family. It's important when you have a big change ahead to think about what you are leaving behind on your journey – it's a big thing to leave primary school. Hunt out pictures, drawings, certificates and awards and any other evidence of your life in primary school. You are going to create a personal piece of writing about your memories of Nursery/Primary School.

1. Have a discussion with your family about your nursery/primary school life. Use the help guide below.

Remembering together . . .

Talk to a member of your family about your memories of Primary School right from when you started in nursery
Here are some questions you might want to start with.....

⭐ Which events, trips, plays, assemblies, sports, and music activities do you remember?

★ What jobs or roles of responsibility have you had in primary school?

★ What lessons have you enjoyed the most? (or the least?)

⭐ Who have been your best friends at primary, how long have you known them?

★ Who were your favourite teachers/ helpers?

⭐ When did you get any certificates or rewards and what for?

Then ask your family about their memories of primary school:

★ What has been your proudest moment or achievement?

⭐ Which of the teachers do you remember and why ?

★ What is your favourite memory?

⭐ Is there something you would rather forget?

⭐ Is there something in particular you remember about a school event?

★ Can you think of a time when something made you laugh? Or made you worried or scared?

Write down your family's memories here

2. Create a mind map of all your memories.

Primary School Version of How to Mind Map - Source: BrainTraining4Kids.com

3. Next you are going to think about the structure of your personal writing.

    o   Opening paragraph to introduce what you are writing about
    o   Choose the main themes for each of your paragraphs:
        o   Nursery
        o   Transition into Primary 1
        o   Class Memories
        o   Outings
        o   Events
        o   Friendships
        o   Final memories of Primary School
        o   Thoughts and feelings about transition to Secondary
        o   Conclusion, to summarise your overall memories of nursery/primary school

    This is just an example of how you may structure your memories.

4. Remember this is a personal piece of writing and you should include lots of thoughts and feeling words. I have provided a bank of words that you may use below. Many of you will have even better words than the list.

List of Feelings

| Happy	Sad	Angry	Other feelings
Calm	Ashamed	Annoyed	Afraid
Cheerful	Awful	Bugged	Anxious
Confident	Disappointed	Destructive	Ashamed
Content	Discouraged	Disgusted	Bored
Delighted	Gloomy	Frustrated	Confused
Excited	Hurt	Fuming	Curious
Glad	Lonely	Furious	Embarrassed
Loved	Miserable	Grumpy	Jealous
Proud	Sorry	Irritated	Moody
Relaxed	Unhappy	Mad	Responsible
Satisfied	Unloved	Mean	Scared
Silly	Withdrawn	Violent	Shy
Terrific			Uncomfortable
Thankful			Worried

www.RewardCharts4Kids.com

5. Start to write your 'Trip Down Memory Lane'. Remember you are not just writing about the events but letting the reader understand how you were feeling during these memories.
6. Email me your finished work. I would love to read about your life and times at Coylton Primary. Some of you may have memories from previous schools to share ☺

Space Art

Peter Thorpe is an abstract Space Artist and he is well known for painting rockets.

"I started the rocket paintings in the 1980s as a way to use paint that I would have otherwise thrown away. After each commercial job I did, there would be a pallet half full of paint left over and it pained me to toss it, but the next painting required a new pallet. It finally occured to me that I could easily paint an abstract background on a blank board or canvas with the left over paint." Peter Thorpe

What is abstract art?

A painting or sculpture that does not represent a person, place or thing in the natural world.

Ultra Deep Space — NASA, Hubble Telescope

Examples of Peter Thorpe's Work

Task

- Watch the tutorial
  https://www.youtube.com/watch?v=80PJqFR9B8k&feature=youtu.be

- Next plan your art work. You do not need to use paint; you may use pencil, pens. Use the sheet on the next page for planning.

Space Art in the style of Peter Thorpe.

LI: To be able to paint a space themed picture in the style of artist Peter Thorpe, using an abstract art background and space feature in the foreground.

Name of artist:

Style of art they paint:

Equipment they use:

Their interests are:

Theme of paintings:

For my abstract background I will use...

Colours:

Equipment:

Technique:

For my space feature foreground I will...

Paint a _____

Using the colours _____ **because** _____

_____

It will feature (where) _____ **in my painting.**

 My painting will be portrait / landscape.

Draw a simple plan of your painting below, labelling the different features and materials you will use.

Have fun experimenting in the style of Peter Thorpe

<u>HWB -Take Away Challenge</u>

Have a look at the following menus and place your order. Once you have placed your order, follow the exercise programme provided below.

<u>PLACE YOUR ORDER</u>

Cheese Pizza = 210 cals per slice   Chicken Strippers = 150 cals

Pepperoni Pizza = 270 cals per slice

Chicken pizza = 230 cals per slice

Cookie dough = 420 cals

PLACE YOUR ORDER

Boneless Banquet = 970 cals   Pepsi = 250 cals

Zinger meal = 1105 cals

Mashed Potatoes (With Gravy) = 120 cals

Large chips = 495 cals

PLACE YOUR ORDER

Chicken Curry = 750 cals

Chicken Satay = 700 cals

Salt and chilli chips = 440 cals

Chips and curry sauce = 600 cals

Prawn Crackers= 15 cals each

Now work out how many calories you have eaten and follow the exercise programme below. Have fun ☺

Press ups	2mins	20 cals
Mountain climbers	2 mins	40 cals
Star jumps	5 mins	42cals
Burpees	2mins	60 cals
Step ups	2mins	20 cals
Squats	2mins	20 cals
Sit Ups	2mins	20 cals
Step ups	2mins	25 cals

- 30 minute boing = 448 cals

- 12 minute run= 290 cals

- 30 minute run = 465 cals

- 25 minute insanity dvd = 400 cals

- 30 minute jumping rope = 465 cals

- 30 minute cycle = 460 cals

- 30 minute cross trainer = 436 cals

- 30 minute walk = 167 cals

- 30 minute row = 420 cals

1000 Calorie Burning Circuit

*50 Jumping Jacks
*2:00 Running in place
*15 Push ups
*2:00 Running in place
*40 Squats
*1:00 Running in place
*25 Jumping Jacks
*1:00 Running in place
*10 Push ups
*1:00 Running in place
*20 Squats
*1:00 Running in place
*1:00 Plank
*1:00 Mountain climbers

Equations

Revision

Solving (Basic) Equations

Be able to solve a basic equation

Remember we can solve equations by *cover up* (using a finger).

$x + 5 = 9$
$x = 4$

$p - 3 = 12$
$p = 15$

$y - 7 = 1$
$y = 8$

We can also use our *cover up* method for these type of equations :-

$3x$ means 3 **times** x.

$3x = 12$
$x = 4$

$2k = 10$
$k = 5$

$7y = 56$
$y = 8$

There are various other ways of solving equations :-

- the "cover up" method

$3 \times \quad = 12$

- the method of "equal addition"
- the "change side <—> change sign" rule.
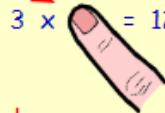
You may come across these alternative methods later.

1. Copy and solve each equation by finding the value of the letter :-

a $x + 3 = 7$ b $x + 9 = 12$ c $x + 1 = 17$

d $y + 11 = 21$ e $y - 3 = 6$ f $y - 1 = 21$

g $p - 10 = 0$ h $p - 50 = 10$ i $p + 6 = 6$

j $k - 18 = 0$ k $h + 15 = 30$ l $g - 40 = 40$

m $5 - q = 1$ n $8 + w = 11$ o $9 - z = 0$

p $15 + x = 50$ q $17 - r = 14$ r $55 + t = 55$

s $71 + f = 111$ t $145 - x = 77$ u $515 + y = 761$.

2. Copy each equation and find the value of the letter :-

a $3x = 6$ b $4m = 20$ c $5p = 30$

d $7q = 28$ e $6t = 36$ f $6a = 60$

g $3b = 36$ h $8d = 48$ i $2x = 24$

j $2p = 22$ k $4p = 56$ l $6m = 54$

m $10x = 110$ n $8t = 64$ o $14p = 42$

p $2b = 5$ q $2c = 9$ r $2n = 19$

s $4x = 10$ t $8x = 12$ u $10x = 55$

Solving Equations

Harder Equations :-

Look at these equations which involve both addition/subtraction and multiplication.

Example 1 :-

$$2x + 1 = 7$$
$$2x = 6$$
$$x = 3$$

$\square$ + 1 = 7

Ask yourself - "what", add 1, gives 7 ?
The answer is 6 => this means $2x = 6$

2 x $\square$ = 6

Now ask yourself - 2 times "what", gives 6 ?
The answer is 3 => this means $x = 3$

Can you see we can still use the cover up method ?

Discuss each of these examples with your teacher.

Examples :-

$$3x - 2 = 25$$
$$3x = 27$$
$$x = 9$$

$$4x - 6 = 6$$
$$4x = 12$$
$$x = 3$$

---

1. Find the value of x by solving each equation below.
   Copy and complete :-

   a
   $$2x + 5 = 11$$
   $$2x = 6$$
   $$x = ...$$

   b
   $$3x + 1 = 13$$
   $$3x = ...$$
   $$x = ...$$

   c
   $$4x - 5 = 15$$
   $$4x = ...$$
   $$x = ...$$

2. Find the value of x by solving these equations :-
   Set down your working carefully.

a	$2x + 3 = 5$	**b**	$3x + 6 = 21$	**c**	$4x + 7 = 23$
d	$5x + 2 = 42$	**e**	$2x - 4 = 6$	**f**	$3x - 3 = 24$
g	$4x - 1 = 35$	**h**	$3x - 6 = 0$	**i**	$6x - 1 = 53$
j	$7x - 2 = 68$	**k**	$8x + 4 = 28$	**l**	$9x - 2 = 61$
m	$2x - 12 = 2$	**n**	$4x + 10 = 22$	**o**	$5x + 20 = 20$
p	$3x - 5 = 55$	**q**	$7x - 7 = 0$	**r**	$2x - 5 = 0$
s	$5x - 1 = 24$	**t**	$2x + 5 = 12$	**u**	$6x - 3 = 12.$

Equations

One step Equations

Watch the following videos and then answer the questions below

https://www.youtube.com/watch?v=eQjhNqfBpaY&feature=youtu.be

https://www.youtube.com/watch?v=rH3_J_jFSFw&feature=youtu.be

Two Step Equations

https://www.youtube.com/watch?v=e53WuKJx7JQ&feature=youtu.be

Outcome 1 – Solving One Step Equations type 1

Examples...

$$x + 7 = 10$$ — Take away 7!
$$x = 3$$

$$a - 4 = 6$$ — Add 6!
$$a = 10$$

Questions...

Solve the following one-step equations...

1. $x + 2 = 11$
2. $a + 2 = 8$
3. $p + 3 = 13$
4. $c + 1 = 10$
5. $d + 1 = 9$
6. $t - 3 = 13$
7. $m - 1 = 11$
8. $s - 2 = 7$
9. $w - 4 = 2$
10. $n - 5 = 12$

Outcome 2 – Solving One Step Equations type 2

Examples...

$$3x = 12$$ — Divide by 3!
$$x = 4$$

$$6x = 48$$ — Divide by 6!
$$x = 8$$

Questions...

Solve the following one-step equations...

1. $2x = 12$
2. $3a = 18$
3. $2p = 14$
4. $3c = 24$
5. $4d = 16$
6. $3t = 12$
7. $4m = 4$
8. $5s = 45$
9. $6w = 42$
10. $8n = 72$

Outcome 3 – Solving Two Step Equations

Examples…

| 1. Take away 7! | 1. Add 5! |
| 2. Divide by 5! | 2. Divide by 8! |

$$5x + 7 = 52$$
$$-7 \quad -7$$
$$5x = 45$$
$$\div 5 \quad \div 5$$
$$x = 9$$

$$8x - 5 = 27$$
$$+5 \quad +5$$
$$8x = 32$$
$$\div 8 \quad \div 8$$
$$x = 4$$

Questions…

Solve the following two-step equations…

1. $3x + 4 = 19$
2. $9a + 2 = 83$
3. $8p + 3 = 27$
4. $4c + 1 = 17$
5. $6d - 7 = 29$
6. $7t - 10 = 4$
7. $5m - 4 = 56$
8. $2s - 5 = 17$
9. $3w + 8 = -1$
10. $6n - 3 = -45$

Outcome 1 Answers

1. $x = 9$
2. $a = 6$
3. $p = 10$
4. $c = 9$
5. $d = 8$
6. $t = 16$
7. $m = 12$
8. $s = 9$
9. $w = 6$
10. $n = 17$

Outcome 2 Answers

1. $x = 6$
2. $a = 6$
3. $p = 7$
4. $c = 8$
5. $d = 4$
6. $t = 4$
7. $m = 1$
8. $s = 9$
9. $w = 7$
10. $n = 9$

Outcome 3 Answers

1. $x = 5$
2. $a = 9$
3. $p = 3$
4. $c = 4$
5. $d = 6$
6. $t = 2$
7. $m = 12$
8. $s = 11$
9. $w = -3$
10. $n = -7$

Third Level Equations

Videos to help

https://www.youtube.com/watch?v=j-n-_2zvClg&feature=youtu.be

https://www.youtube.com/watch?v=OXpDFMJJt04&feature=youtu.be

https://www.youtube.com/watch?v=ECB-B3cwrkY&feature=youtu.be

Outcome 1 – One Step Equations

Bronze examples

Examples... ****To solve an equation we need to get 'x' on its own!****

$x + 7 = 15$
$x = 8$ Take away 7!

$a - 9 = 11$
$a = 20$ Add 9!

Silver examples

Examples... ****To solve an equation we need to get 'x' on its own!****

$x + 10 = 4$
$x = -6$ Take away 10!

$a - 9 = -7$
$a = 2$ Add 9!

Gold examples

Examples... ****To solve an equation we need to get 'x' on its own!****

$x + ½ = 15$
$x = 14½$ Take away ½ !

$a - ⅓ = -7$
$a = -6⅔$ Add ⅓ !

Bronze Questions

Solve the following simple equations...

1. $x + 3 = 4$ 2. $a + 3 = 5$

3. $p + 4 = 6$ 4. $c + 2 = 4$

5. $d + 2 = 5$ 6. $t - 4 = 9$

7. $m - 2 = 6$ 8. $s - 3 = 4$

9. $w - 6 = 6$ 10. $n - 6 = 12$

Silver Questions

Solve the following one-step equations...

1. $x + 5 = 4$ 2. $a + 7 = 5$

3. $p + 7 = 6$ 4. $c + 5 = 4$

5. $d + 7 = 5$ 6. $t - 9 = 4$

7. $m - 9 = -6$ 8. $s - 3 = -4$

9. $w - 6 = -10$ 10. $n - 6 = -12$

Gold Questions

Solve the following one-step equations...

1. $x + \frac{1}{2} = 17$ **2.** $a + \frac{1}{3} = 9$

3. $p + \frac{1}{4} = 2$ **4.** $c + \frac{1}{2} = 20$

5. $d + \frac{1}{2} = 7$ **6.** $t - \frac{1}{3} = 3$

7. $m - \frac{1}{3} = -10$ **8.** $s - \frac{1}{2} = -8$

9. $w - \frac{1}{4} = -1$ **10.** $n - \frac{1}{8} = -100$

Bronze Answers

1.	$x = 1$	2.	$a = 2$	
3.	$p = 2$	4.	$c = 2$	
5.	$d = 3$	6.	$t = 13$	
7.	$m = 8$	8.	$s = 7$	
9.	$w = 12$	10.	$n = 18$	

Silver Answers

1.	$x = -1$	2.	$a = -2$	
3.	$p = -1$	4.	$c = -1$	
5.	$d = -2$	6.	$t = 13$	
7.	$m = 3$	8.	$s = -1$	
9.	$w = -4$	10.	$n = -6$	

Gold Answers

1.	$x = 16\frac{1}{2}$	2.	$a = 8\frac{2}{3}$	
3.	$p = 1\frac{3}{4}$	4.	$c = 19\frac{1}{2}$	
5.	$d = 6\frac{1}{2}$	6.	$t = 3\frac{1}{3}$	
7.	$m = -9\frac{2}{3}$	8.	$s = -7\frac{1}{2}$	
9.	$w = -\frac{3}{4}$	10.	$n = -99\frac{7}{8}$	

Outcome 2 – More One Step Equations

Bronze examples

Examples... **To solve an equation we need to get 'x' on its own!**

$8x = 24$ Divide by 8!
$x = 3$

$9x = 81$ Divide by 9!
$x = 9$

Silver examples

Examples... **To solve an equation we need to get 'x' on its own!**

$2x = 13$ Divide by 2!
$x = 6 \cdot 5$

$5x = -15$ Divide by 5!
$x = -3$

Gold examples

Examples... **To solve an equation we need to get 'x' on its own!**

$\frac{1}{2}x = 11$ Multiply by 2!
$x = 22$

$\frac{1}{3}x = -10$ Multiply by 3!
$x = -30$

Bronze Questions

Solve the following simple equations...

1. $5x = 10$
2. $3a = 27$
3. $2p = 40$
4. $10c = 110$
5. $4d = 36$
6. $3t = 36$
7. $6m = 12$
8. $7s = 28$
9. $9w = 18$
10. $8n = 48$

Silver Questions

Solve the following one-step equations...

1. $2x = 11$
2. $2a = 29$
3. $2p = 41$
4. $2c = 5$
5. $4d = 37$
6. $3t = -3$
7. $6m = -12$
8. $7s = -28$
9. $6w = -18$
10. $8n = -16$

Gold Questions

Solve the following one-step equations...

1. $\frac{1}{2}x = 9$
2. $\frac{1}{3}a = 1$
3. $\frac{1}{2}p = 13$
4. $\frac{1}{3}c = 30$
5. $\frac{1}{4}d = 7$
6. $\frac{1}{3}t = -35$
7. $\frac{1}{4}m = -6$
8. $\frac{1}{8}s = -8$
9. $\frac{1}{3}w = -100$
10. $\frac{1}{8}n = -3$

Bronze Answers

1. $x = 2$
2. $a = 9$
3. $p = 20$
4. $c = 11$
5. $d = 9$
6. $t = 12$
7. $m = 2$
8. $s = 4$
9. $w = 2$
10. $n = 6$

Silver Answers

1. $x = 5 \cdot 5$
2. $a = 14 \cdot 5$
3. $p = 20 \cdot 5$
4. $c = 2 \cdot 5$
5. $d = 9 \cdot 25$
6. $t = -1$
7. $m = -2$
8. $s = -4$
9. $w = -3$
10. $n = -2$

Gold Answers

1. $x = 18$
2. $a = 3$
3. $p = 26$
4. $c = 90$
5. $d = 28$
6. $t = -105$
7. $m = -24$
8. $s = -64$
9. $w = -300$
10. $n = -24$

This video may help you answer the following work as it is getting a little trickier

. https://www.youtube.com/watch?v=lvTOjbOFEp4&feature=youtu.be

Outcome 3 – Multi Step Equations

Bronze examples

Examples...

1. Take away 3!
2. Divide by 4!

$4x + 3 = 27$
- 3   - 3
$4x = 24$
÷ 4   ÷ 4
$x = 6$

1. Add 5!
2. Divide by 3!

$3x - 5 = 16$
+ 5   + 5
$3x = 21$
÷ 3   ÷ 3
$x = 7$

Silver examples

Examples...

$7x + 7 = 2x + 22$
- 2x - 7   - 2x - 7
$5x = 15$ $x = 3$

$5x - 6 = 2x + 21$
- 2x + 6   - 2x + 6
$3x = 27$ $x = 9$

Get all the x's on one side and the numbers on the other!
Divide by 5!

Get all the x's on one side and the numbers on the other!
Divide by 3!

Gold example

Examples...

$5(x - 1) = 3(x + 5)$
$5x - 5 = 3x + 15$
- 3x + 5   - 3x + 5
$2x = 20$
$x = 10$

Multiply out the brackets!

Get all the x's on one side and the numbers on the other!

Divide by 2!

Bronze Questions

Solve the following equations...

1. $3x + 7 = 31$
2. $4a + 1 = 17$
3. $7p + 6 = 13$
4. $9c + 10 = 100$
5. $2d - 1 = 5$
6. $5t - 4 = 26$
7. $8m - 7 = 49$
8. $6s - 5 = 61$
9. $4w + 1 = -11$
10. $7n - 9 = -72$

Silver Questions

Solve the following equations...

1. $4x + 1 = 2x + 17$
2. $5a + 3 = 2a + 12$
3. $6p + 7 = p + 32$
4. $10c + 2 = c + 20$
5. $4d + 2 = d + 8$
6. $5t - 5 = t - 10$
7. $3m - 2 = 2m - 10$
8. $6s - 4 = 3s - 7$
9. $7w - 11 = 2w - 1$
10. $6n - 1 = 3n - 10$

Gold Questions

Solve the following equations with brackets...

1. $4(x + 1) = 20$
2. $5(a - 1) = a - 1$
3. $5(p + 3) = 10$
4. $3(c - 2) = 2(c - 1)$
5. $6(d + 7) = 30$
6. $6(t - 4) = 3(t - 1)$
7. $3(m - 1) = 6$
8. $7(s - 1) = 6(s - 1)$
9. $4(w + 2) = 8$
10. $6(n - 1) = 5(n - 2)$

Bronze Answers

1.	$x = 8$	2.	$a = 4$
3.	$p = 1$	4.	$c = 10$
5.	$d = 3$	6.	$t = 6$
7.	$m = 7$	8.	$s = 11$
9.	$w = -3$	10.	$n = -9$

Silver Answers

1.	$x = 8$	2.	$a = 3$
3.	$p = 5$	4.	$c = 2$
5.	$d = 8$	6.	$t = 2$
7.	$m = -8$	8.	$s = -1$
9.	$w = 2$	10.	$n = -3$

Gold Answers

1.	$x = 4$	2.	$a = 1$
3.	$p = -1$	4.	$c = -4$
5.	$d = -2$	6.	$t = 7$
7.	$m = 3$	8.	$s = 1$
9.	$w = 0$	10.	$n = -4$
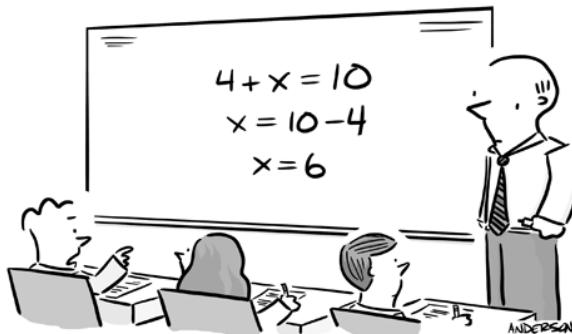
"Hold on. When we learned Roman numerals, X was 10. Now it's 6. What's going on around here?!"

If you have any questions please email or ask me on TEAMS. ☺

"Positive thinking will let you do everything better than negative thinking will"
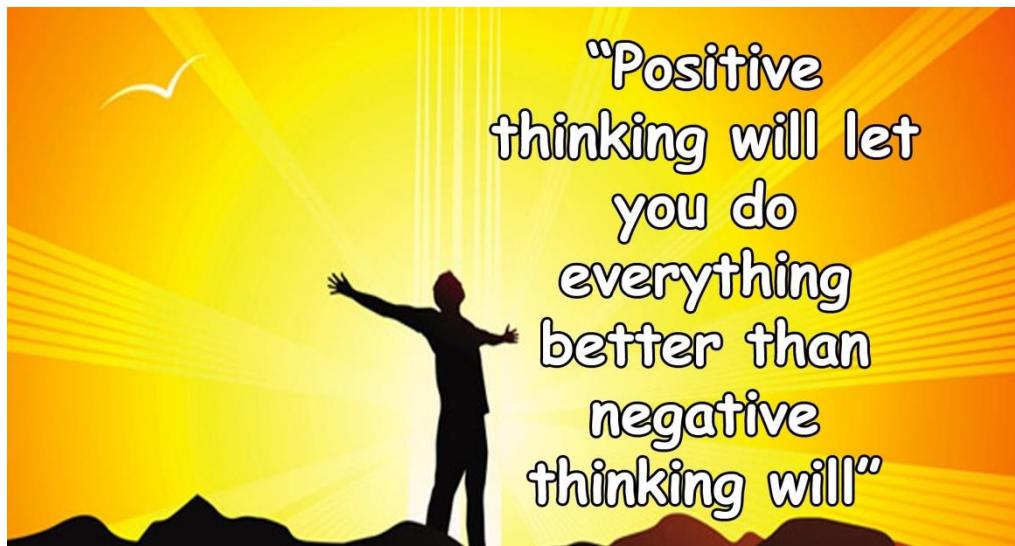
Primary 7, I am proud of all the hard work you have been doing at home. It is tricky but remember I am always here if you need to ask a question. Please keep in contact regularly through TEAMS or email. I cannot believe we are in June already!