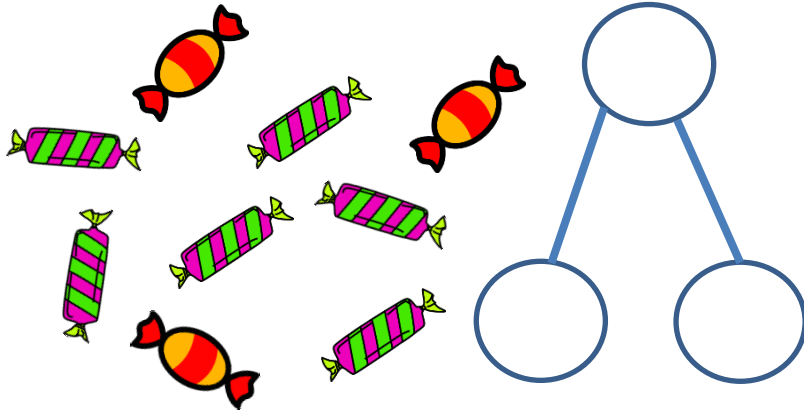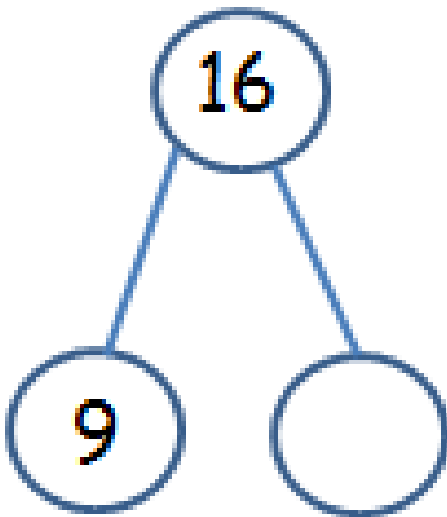WALT: Find fact families

WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.

_____

_____

_____

_____

16

9

_____

_____

_____

_____

17	
6	?

_____

_____

_____

_____

DAY 1 LAPS

WALT: Find fact families

WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.
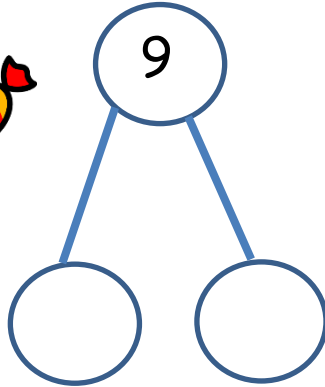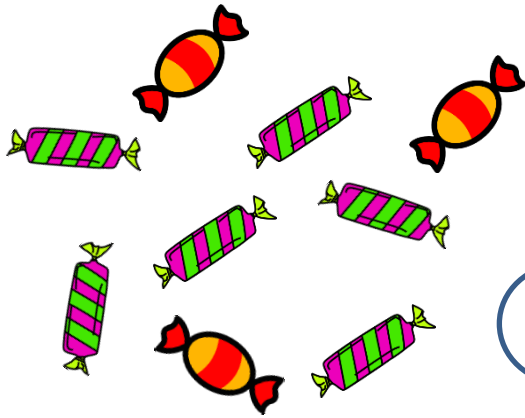
$\square + \square = 9$

_____

_____

_____

$\square + \square = 16$

_____

_____

_____

17	
6	?

$\square + \square = 17$
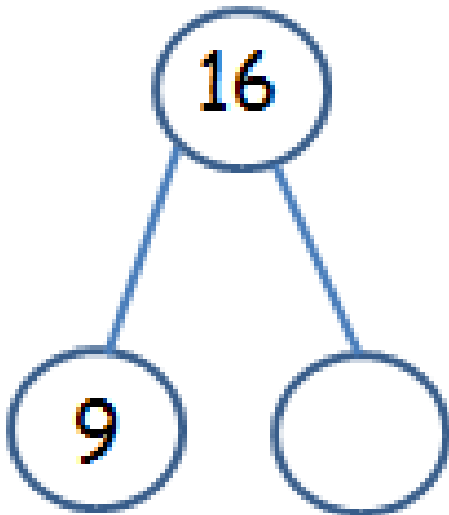
_____

_____

_____

DAY 1 HAPS

WALT: Find fact families
WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.

WALT: Find fact families
WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.
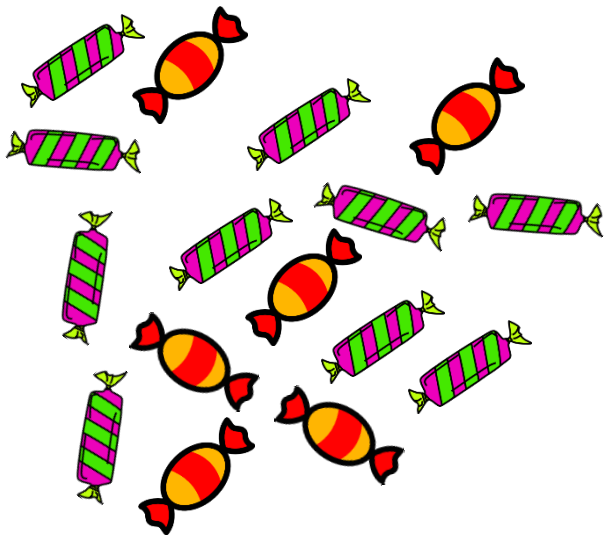

WALT: Find fact families
WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.
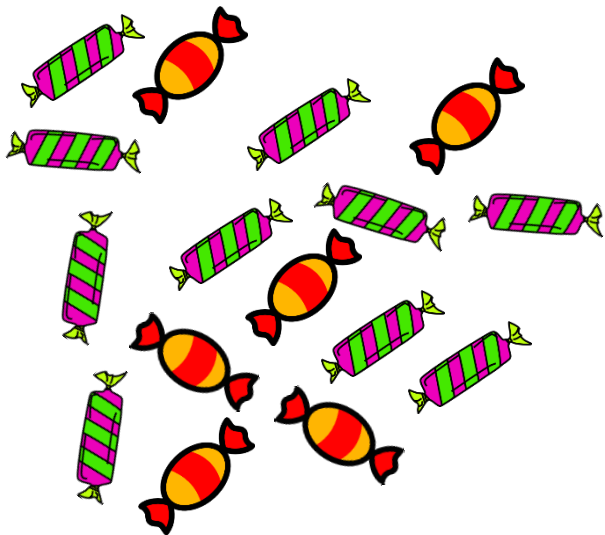

WALT: Find fact families
WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.
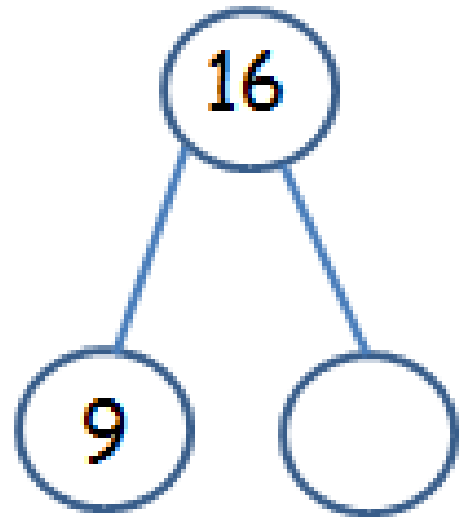

WALT: Find fact families
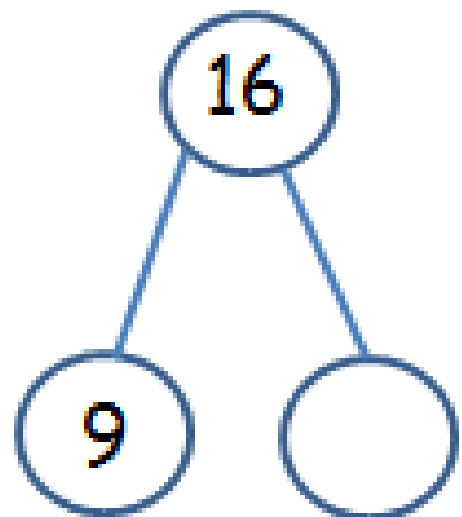WILF: I can interpret different images to write corresponding addition and subtraction facts; I know that the order of addition does not matter but the order of subtraction does.

16

9

17	
6	?

16

9

17	
6	?

Greater Depth Challenge

$8 - 5 = 3$
$8 - 3 = 5$
$8 = 5 - 3$
$3 = 8 - 5$

I think that all these facts are correct because the numbers are related.

Is she correct?   Can you prove it?

Greater Depth Challenge

$8 - 5 = 3$
$8 - 3 = 5$
$8 = 5 - 3$
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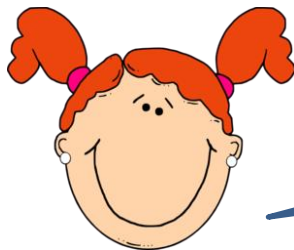
Is she correct?   Can you prove it?

Greater Depth Challenge

$8 - 5 = 3$
$8 - 3 = 5$
$8 = 5 - 3$
$3 = 8 - 5$

I think that all these facts are correct because the numbers are related.
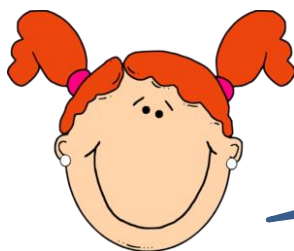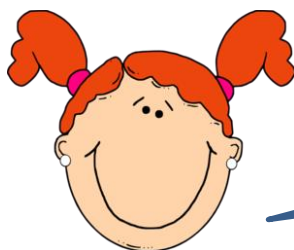
Is she correct?   Can you prove it?

DAY 2

WALT: Know number bonds to 20

WILFs: I can use number bonds to 10 to help learn number bonds to 20;
Work out addition and subtraction calculations to 20 quickly.

How many different ways can you make 20?

DAY 3 APS/HAPS

<u>WALT:</u> Check calculations

WILF: I can check calculations in different ways:
Using the inverse, estimating, using practical resources
and using a different method

Use the inverse to check whether these calculations are correct.

1. 7 + 8 = 15

Correct or not correct?

_____

_____

_____

2. 5 + 9 = 15

Correct or not correct?

_____

_____

_____

3. 17 – 8 = 8

Correct or not correct?

_____

_____

_____

4. 16 – 9 = 7

Correct or not correct?

_____

_____
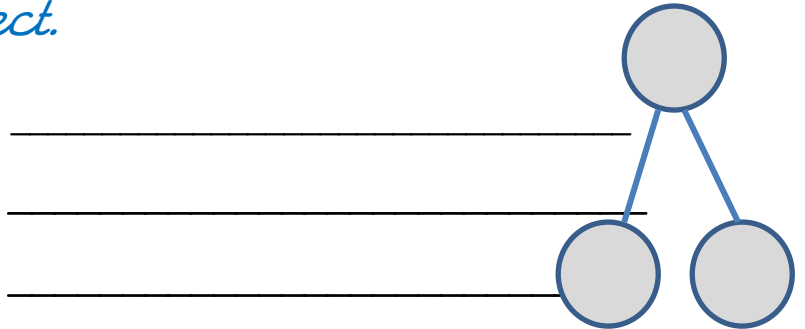
_____

DAY 3 APS/LAPS

WALT: Check calculations

WILF: I can check calculations in different ways:
Using the inverse, estimating, using practical resources
and using a different method

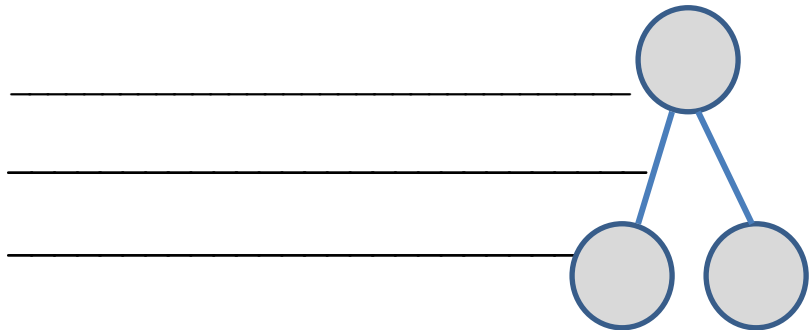*Use the inverse to check whether these*
calculations are correct.

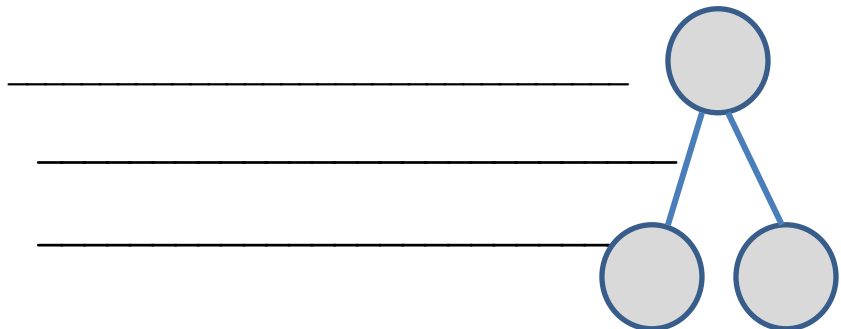1. $7 + 8 = 15$

Correct or not correct?

$8 + 7 = \square$

$15 - 8 = \square$
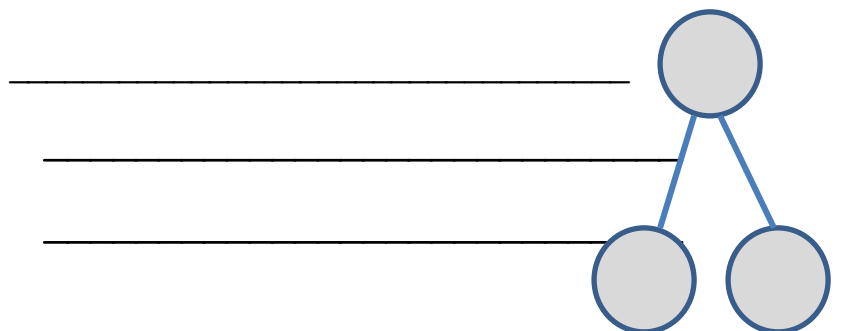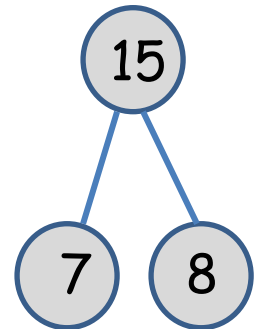
$15 - 7 = \square$

15

7   8

2. $5 + 9 = 15$

Correct or not correct?

_____

_____

_____

3. $17 - 8 = 8$

Correct or not correct?

_____

_____

_____
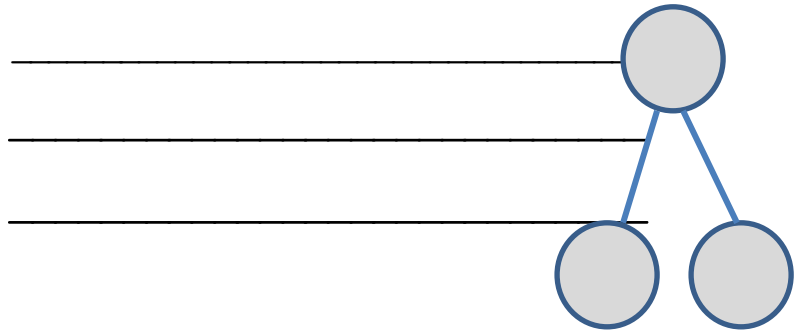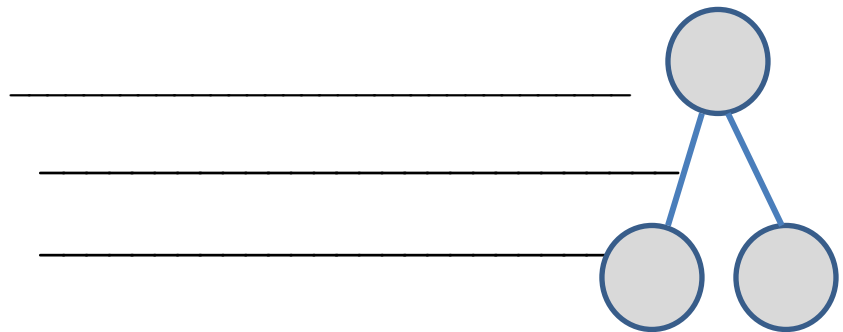
4. $16 - 9 = 7$

Correct or not correct?

_____

_____

_____
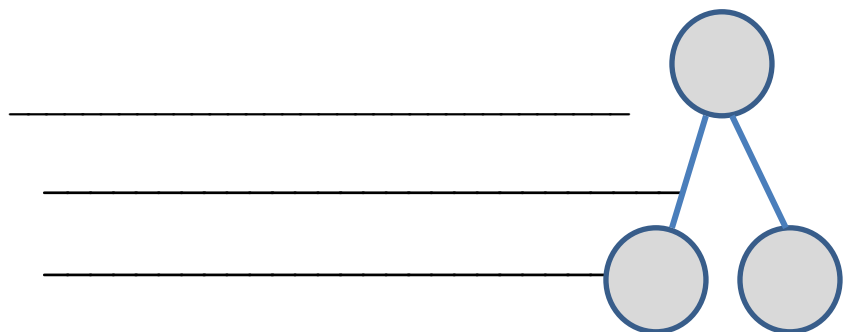
DAY 3
Greater depth challenge

Decide how you will check to see if these calculations are correct:

1. 24 + 6 = 84 _____

2. 25 – 23 = 12 _____

3. 18 – 3 = 21 _____

Extension: Where have the wrong answers come from? What mistakes might have been made?

Greater depth challenge

Decide how you will check to see if these calculations are correct:

1. 14 + 6 = 74 _____

2. 15 – 13 = 12 _____

3. 18 – 3 = 21 _____

Extension: Where have the wrong answers come from? What mistakes might have been made?

WALT: Compare number sentences
WILF: I can compare similar calculations using greater than, less than and equals signs

Use > < or = to make each one true

$3 + 5$ ⬤ $6 + 2$

$1 + 8$ ⬤ $6 + 4$

$9 - 3$ ⬤ $8 - 4$

$8 - 5$ ⬤ $10 - 6$

$6 + 3$ ⬤ $11 - 3$

$12 - 4$ ⬤ $3 + 6$

Greater depth:

Fill in the missing numbers:

1. $5 + 3 = 6 + \Box$

2. $8 - \Box = 10 - 4$

3. $\Box + 3 = 12 - 2$

4. $9 - 2 = \Box + 3$

Can you do one for your partner to solve?

WALT: Compare number sentences
WILF: I can compare similar calculations using greater than, less than and equals signs

Use > < or = to make each one true

13 + 5 ◯ 6 + 12

1 + 18 ◯ 16 + 4

19 – 3 ◯ 18 – 4

18 – 5 ◯ 20 – 6

6 + 13 ◯ 21 – 3

22 – 4 ◯ 3 + 16

Greater depth:

Fill in the missing numbers:

1. 5 + 3 = 6 + ☐

2. 8 – ☐ = 10 – 4 = 3 + ☐

3. ☐ + 13 = 20 – 2 = 10 + ☐

4. 19 – 2 = ☐ + 3 = ☐ + 10

Can you do one for your partner to solve?

WALT: Use and understand related facts.

WILF: I can use my number bonds to 10; I can use my knowledge of tens and ones; I understand how facts are related.

$3 + 4 =$ ___ ➡ $30 + 40 =$ ___

$8 - 5 =$ ___ ➡ $80 - 50 =$ ___

___ $= 6 + 3$ ➡ ___ $= 60 + 30$

___ $- 2 = 5$ ➡ ___ $- 20 = 50$

$6 -$ ___ $= 2$ ➡ $60 -$ ___ $= 20$

$2 + 7 =$ ___ ➡ $70 + 20 =$ ___

$9 - 1 =$ ___ ➡ $10 +$ ___ $= 90$

___ $+ 6 = 10$ ➡ $100 - 60 =$ ___

$10 = 5 +$ ___ ➡ $100 -$ ___ $= 50$

$9 -$ ___ $= 3$ ➡ ___ $+ 30 = 90$

Greater depth

Can you write all the related facts using this known fact?

$$5 + 3 = 8$$

WALT: Use and understand related facts.

WILF: I can use my number bonds to 10; I can use my knowledge of tens and ones; I understand how facts are related.

$3 + 4 =$ ___ ➡ $30 + 40 =$ ___

$8 - 5 =$ ___ ➡ $80 - 50 =$ ___

___ $= 6 + 3$ ➡ ___ $= 60 + 30$

___ $- 2 = 5$ ➡ ___ $- 20 = 50$

$6 -$ ___ $= 2$ ➡ $60 -$ ___ $= 20$

$2 + 7 =$ ___ ➡ $70 + 20 =$ ___

Greater depth

Can you write all the related facts using this known fact?

$$5 + 3 = 8$$
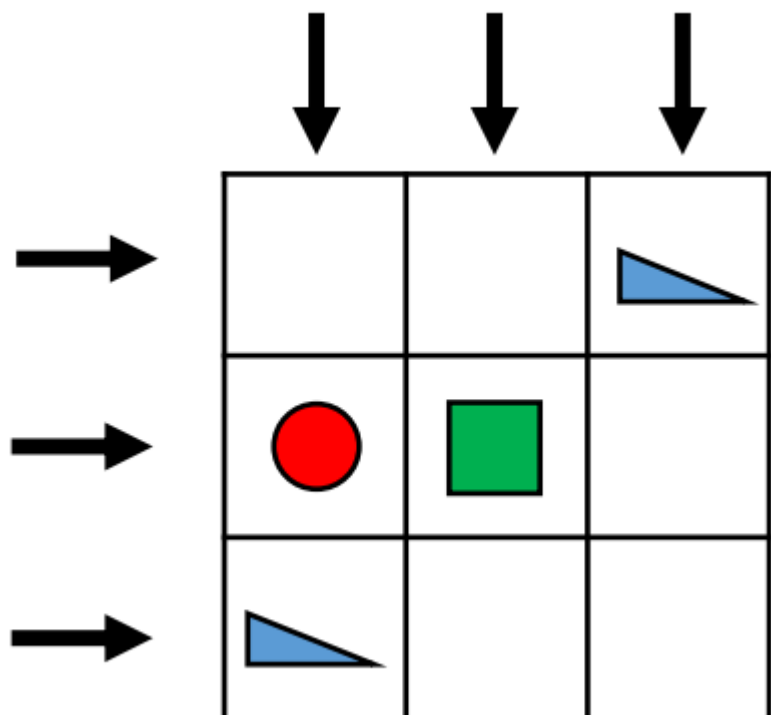
WALT: Know bonds to 100
WILF: I can add and subtract multiples of 10 up to and within 100 by making links to known facts.

Can you complete the grid so that each line is equal to 60?

Squares are worth 10
Triangles are worth 20
Circles are worth 30

Show your working out and check that you are correct.

WALT: Know bonds to 100
WILF: I can add and subtract multiples of 10 up to and within 100 by making links to known facts.

Can you complete the grid so that each line is equal to 60?

	D	E	F
A			◣ (triangle)
B	● (circle)	■ (square)	
C	◣ (triangle)		
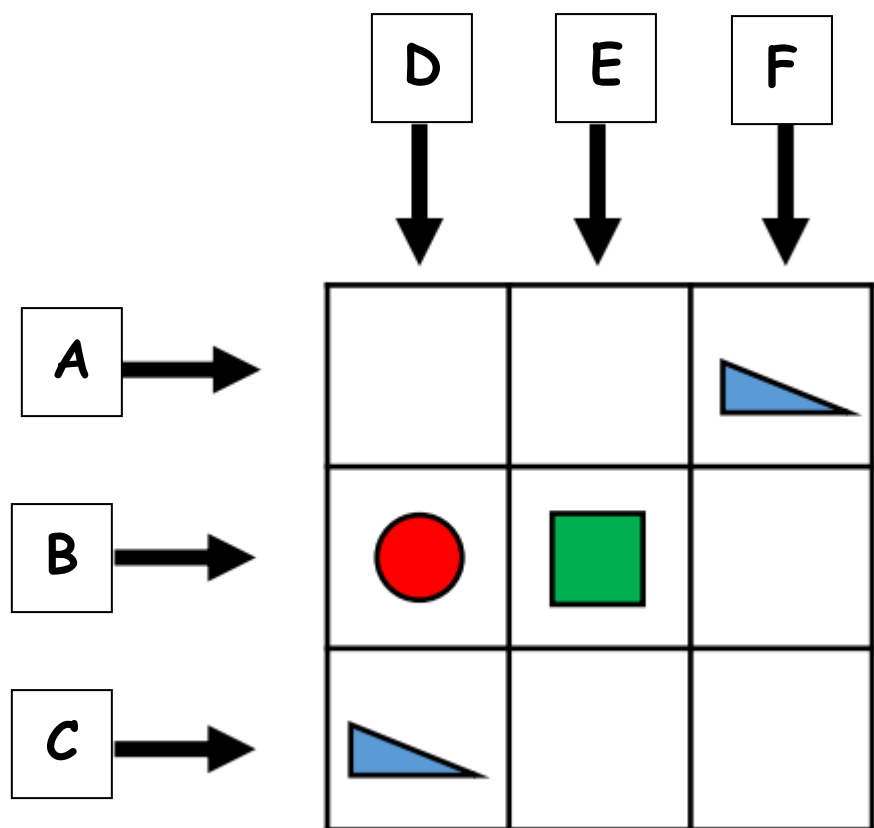
Squares are worth 10
Triangles are worth 20
Circles are worth 30

Show your working out and check that you are correct.

WALT: Add and subtract 1
WILF: I can see (and explain) the pattern of what happens when you add and subtract 1.

8				12			15

		7					12

	15				19		

37				41			44

		77				81	

16			13				9

	24				20		

WALT: Add and subtract 1
WILF: I can see (and explain) the pattern of what happens when you add and subtract 1.

37				41			44

		77				81	

16			13				9

	24				20		

83						77	

		100					95

Can you explain what happens when you add or subtract one more?
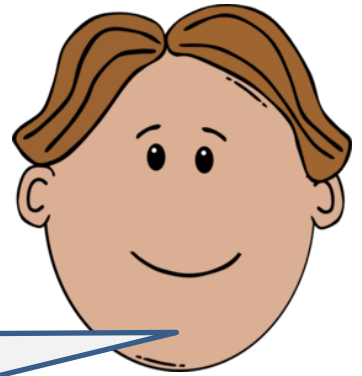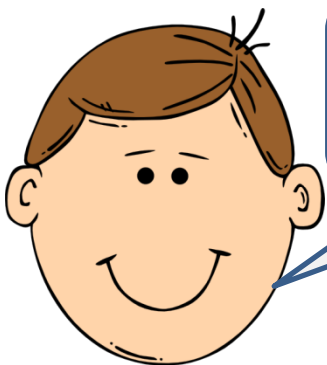
Greater depth challenge
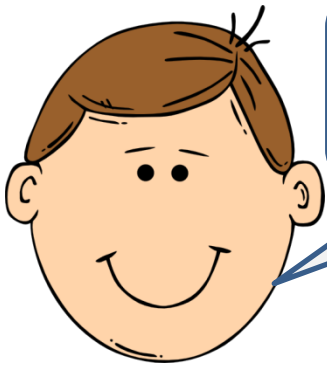
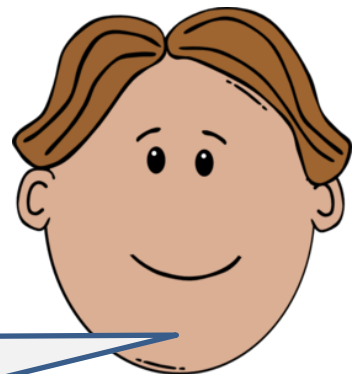It's 28 days until my birthday.

My birthday is 3 days after that.

Ryan

Toby

How many days is it until Toby's birthday? (Show the steps of your working out)

WALT: Find 10 more and 10 less

WILF: I can explore what happens to the tens and ones digits

Normal Fruit Prices

15p 🍎

22p 🍏

🍌 35p

🍋 68p

Today fruit is reduced by 10p.   Work out the new price of each piece of fruit.

(Show your calculation).

Red apple = _____p   15p – 10p = _____

Green apple = _____p   _____

Banana = _____p   _____

Lemon = _____p   _____

Tomorrow fruit is increased by 10p.   Work out the new price of each piece of fruit.

(Show your calculation).

Red apple = _____p   15p + 10p = _____

Green apple = _____p   _____

Banana = _____p   _____

Lemon = _____p   _____

WALT: Find 10 more and 10 less

WILF: I can explore what happens to the tens and ones digits

Normal Fruit Prices

15p 🍎

22p 🍏

🍌 35p

🍋 68p

Today fruit is reduced by 10p.   Work out the new price of each piece of fruit.

(Show your calculation).

Red apple = _____p   15p – 10p = _____

Green apple = _____p   22p – 10p = _____

Banana = _____p   35p – 10p = _____

Lemon = _____p   68p – 10p = _____

Tomorrow fruit is increased by 10p.   Work out the new price of each piece of fruit.

(Show your calculation).

Red apple = _____p   15p + 10p = _____

Green apple = _____p   22p + 10p = _____

Banana = _____p   35p + 10p = _____

Lemon = _____p   68p + 10p = _____

<u>DAY 9</u>

<u>Greater depth challenge:</u>

Can you continue this number track by adding 20 each time?

3					

Can you explain how to add 20 to a number?

_____

<u>Greater depth challenge:</u>

Can you continue this number track by adding 20 each time?

3					

Can you explain how to add 20 to a number?

_____

<u>Greater depth challenge:</u>

Can you continue this number track by adding 20 each time?

3					

Can you explain how to add 20 to a number?