Dear Parents/Carers,
This powerpoint takes the children through the learning sequence. If possible please talk through the slides with your child and check their understanding. The slides start at a basic level to re-cap previous learning.

Consolidation of addition and subtraction

15.6.20

15.6.20

LO: I can use related facts up to 100

Steps
To
Success

Starter

Match calculations that have the same answer.

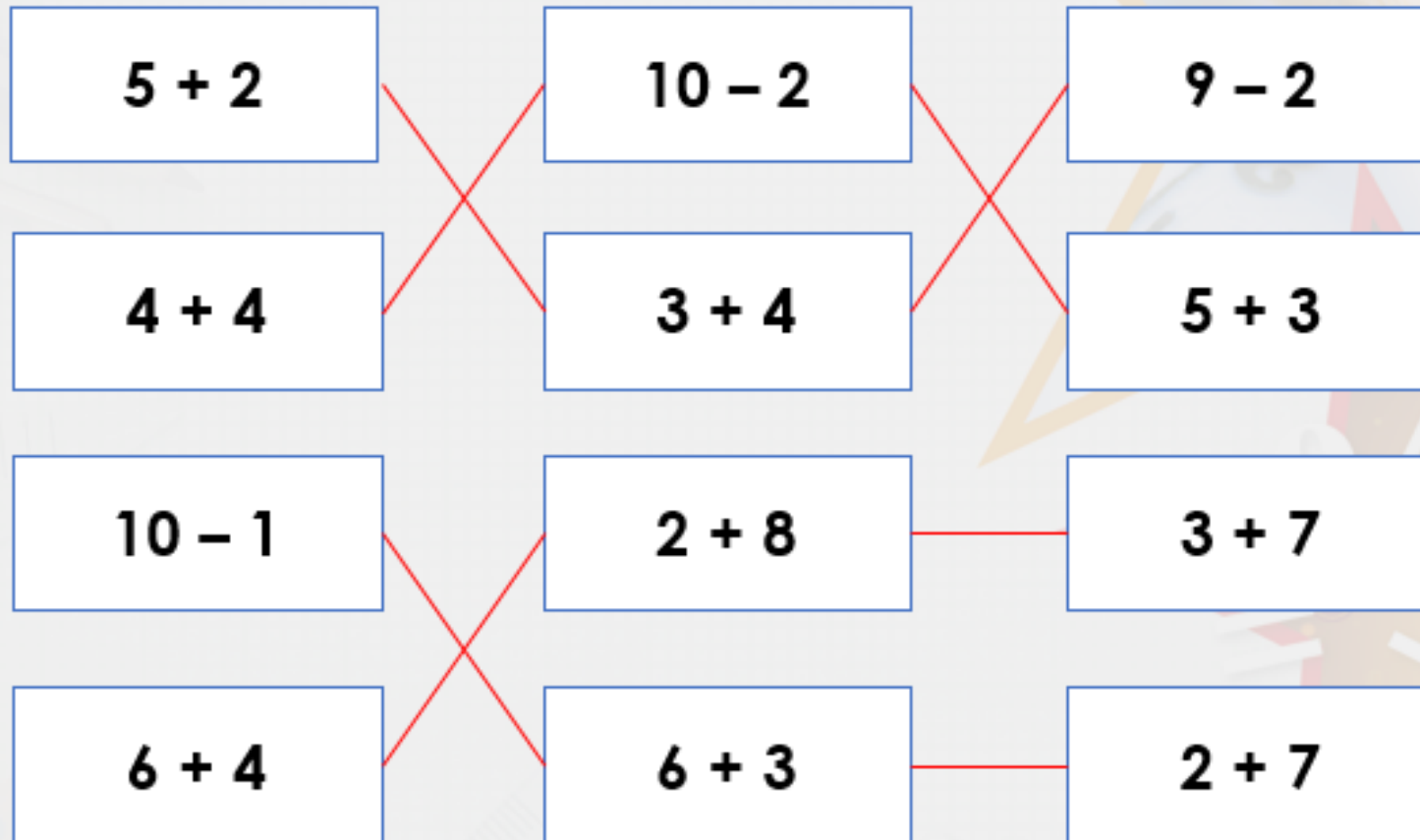|		
5 + 2	10 – 2	9 – 2
4 + 4	3 + 4	5 + 3
10 – 1	2 + 8	3 + 7
6 + 4	6 + 3	2 + 7

Discuss with an adult, or write the facts that match in your book.

Starter - answer

Match calculations that have the same answer.

5 + 2	10 – 2	9 – 2
4 + 4	3 + 4	5 + 3
10 – 1	2 + 8	3 + 7
6 + 4	6 + 3	2 + 7

Descriptive Teaching

Write the calculations represented below.

Use the place value counters to help you solve the problem.

Write the calculations in your book.

Descriptive Teaching - Answer

Write the calculations represented below.

There are 9 place value counters. 4 have been crossed out. Therefore, 9 – 4 = 5.

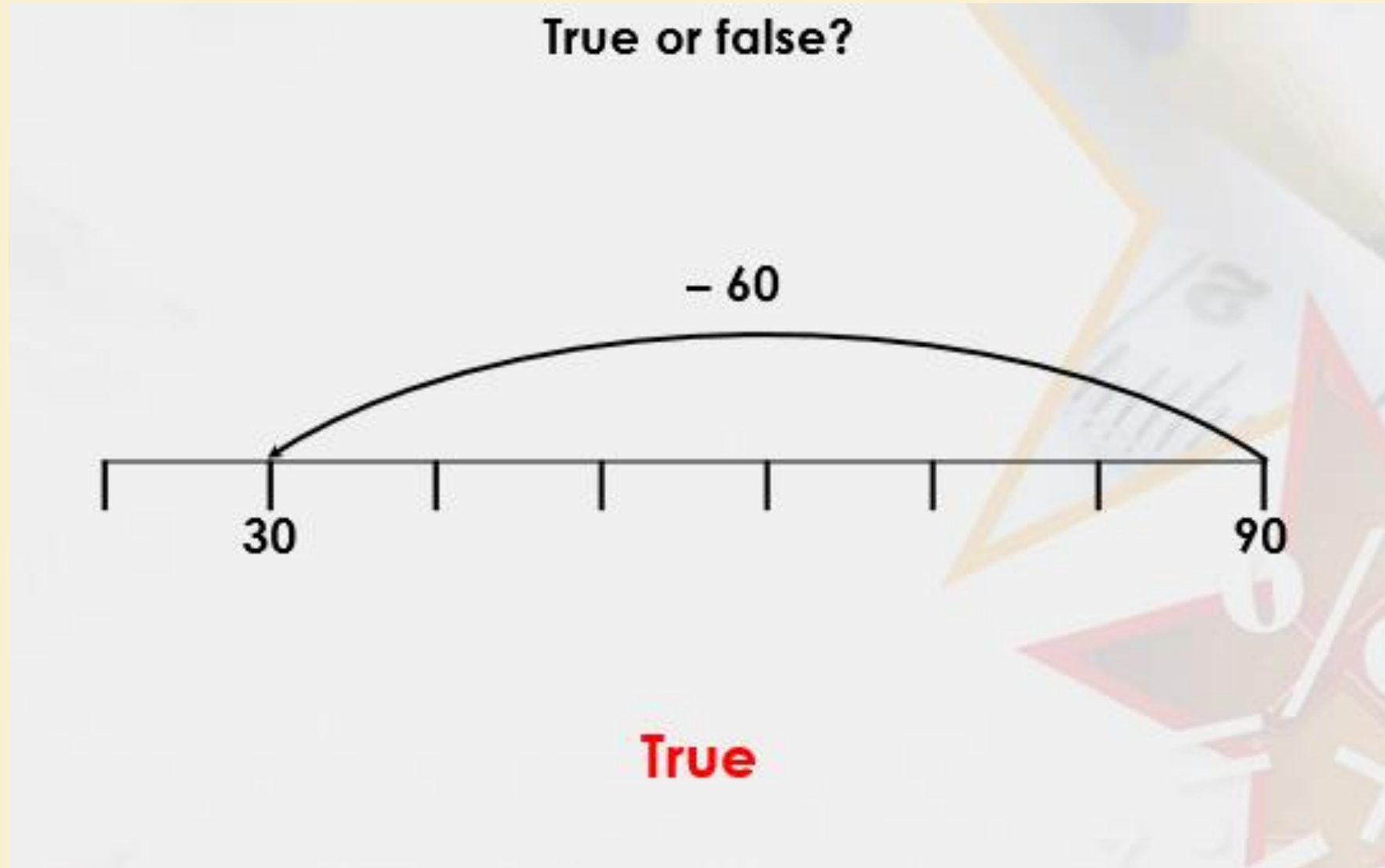Knowing that fact we know that 90 – 40 = 50

90 is 10 times bigger than 9.

Descriptive Doing

To help you solve the problem,
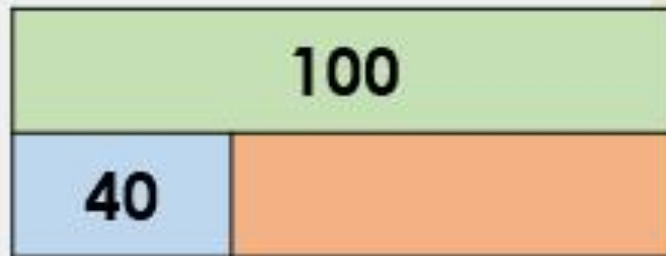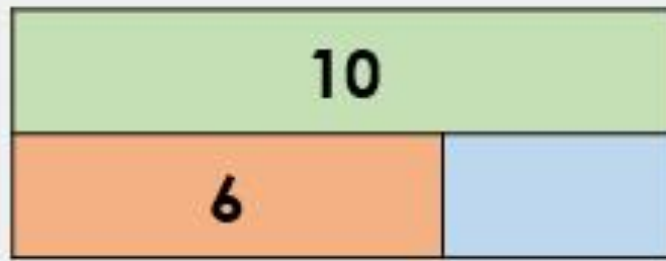is 9 – 6 = 3?

Therefore,
is 90 – 60 = 30?

Descriptive Doing - Answer
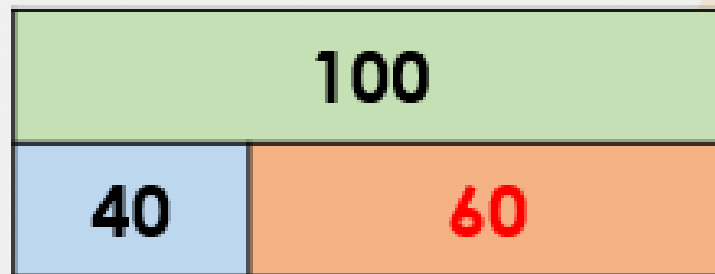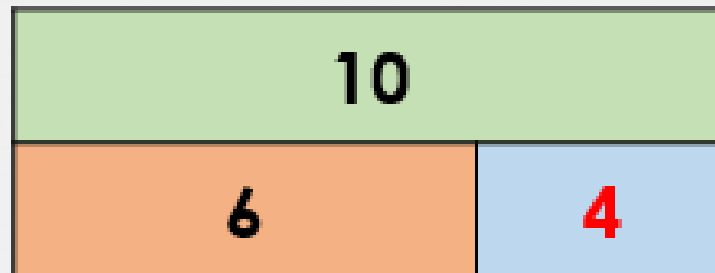
Reflective Teaching

Complete the bar models below:
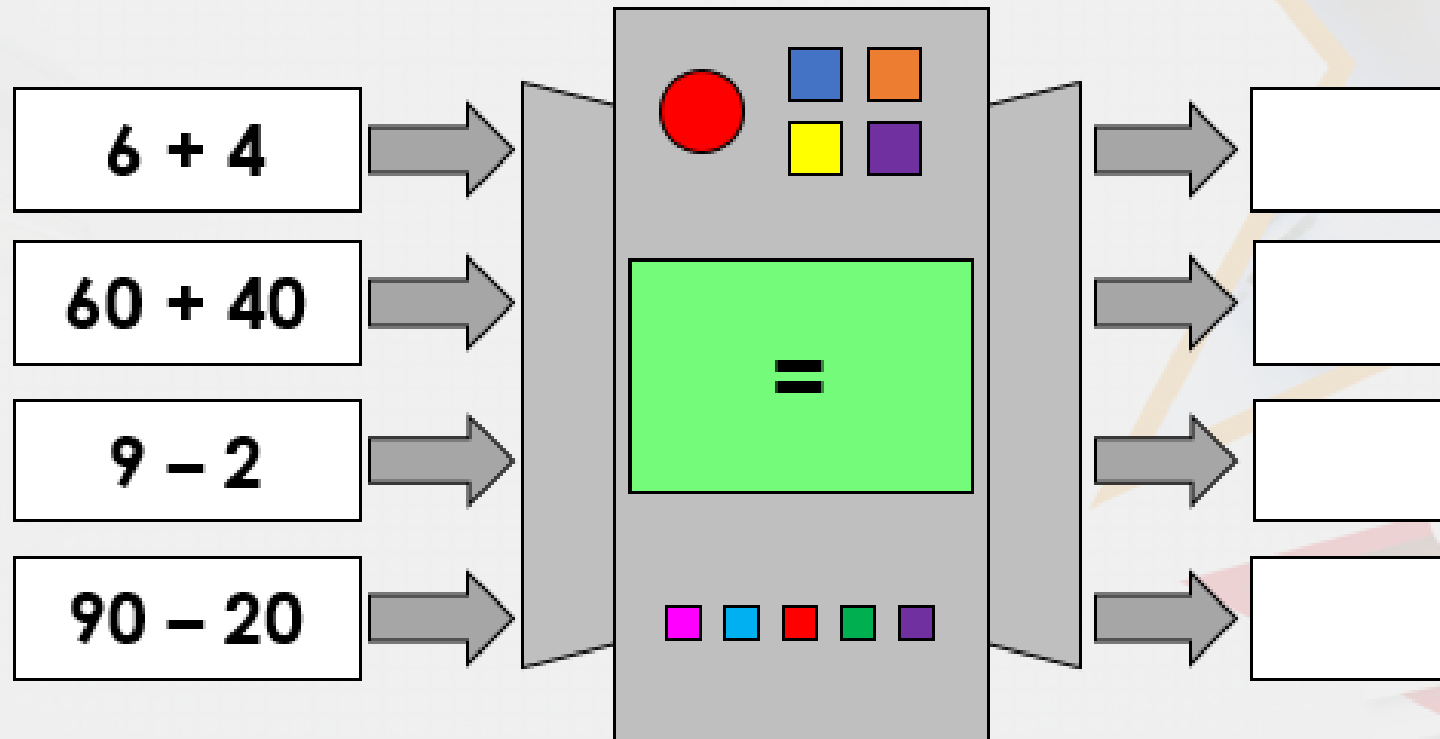
Complete the top bar model to help you solve the bottom.

Reflective Teaching - Answers

Complete the bar models below:

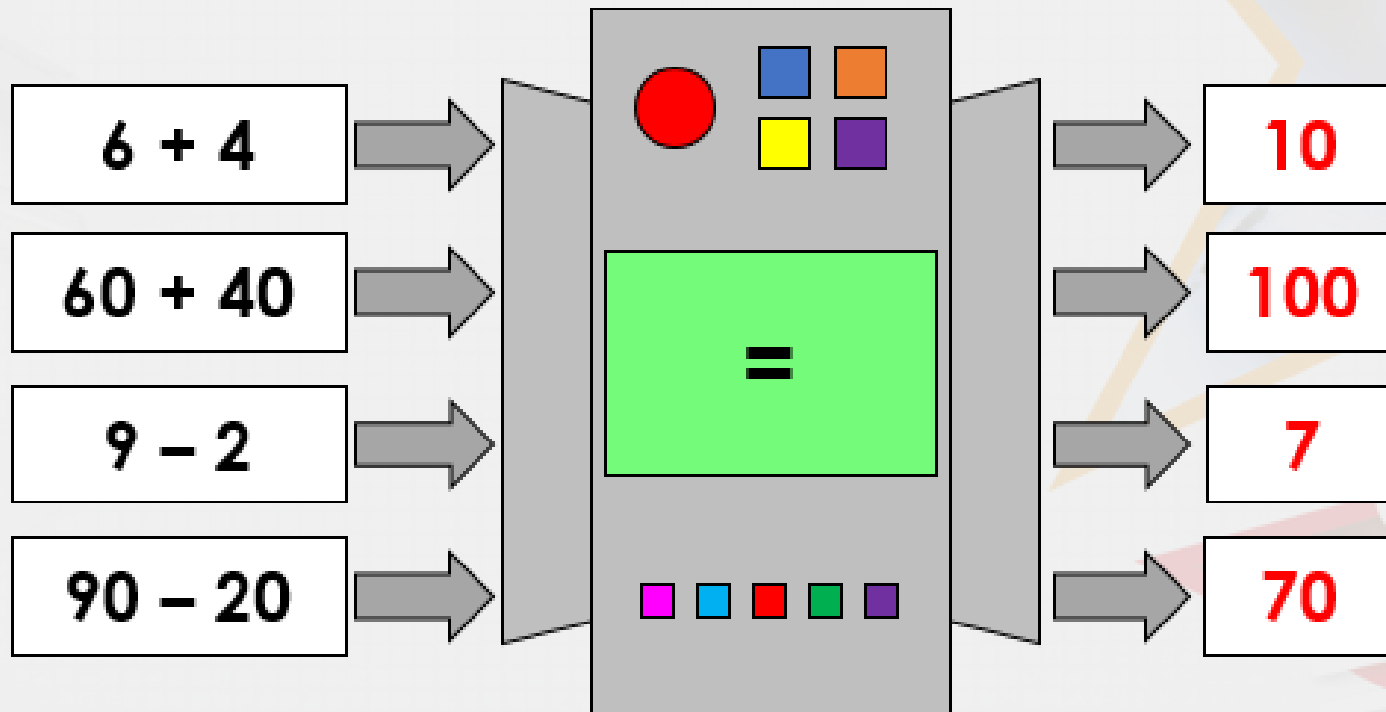| 10 |
|:---:|
| 6 | 4 |

100
40	60

Reflective Doing

Fill in the missing numbers.

6 + 4

60 + 40

9 – 2

90 – 20

Write the calculations in your book.

Reflective Doing - Answers

Fill in the missing numbers.

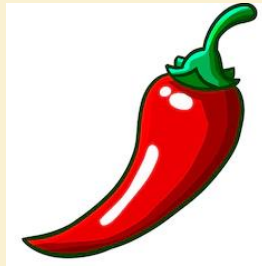|		
6 + 4	→	**10**
60 + 40	→	**100**
9 – 2	→	**7**
90 – 20	→	**70**

If 6 + 4 = 10, 60 + 40 = 100. It is 10 times bigger.

Independent work

The following slides are questions for you to work through independently.

There are 3 sets of work - 1 chili (the easiest), 2 chilies, 3 chilies (the hardest). Choose one set you feel most comfortable with.

Independent work

1a. Patrick says,

> I know that 4 + 3 = 7, so 40 + 30 = 60.

Is he correct? Explain why.

2 R
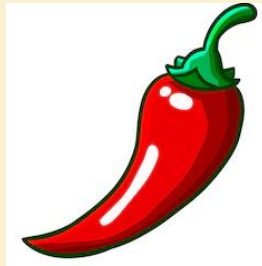
1b. Zoe says,

> I know that 2 + 4 = 6, so 20 + 40 = 60.
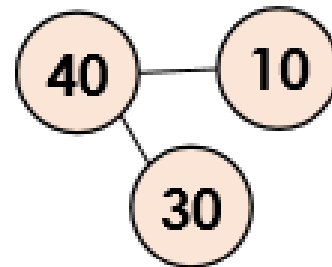
Is she correct? Explain why.

2 R

Independent work

2a. Spot the odd one out.

A.

$3 + 1 = 4$

B.

40 — 10 — 30

C.

4	
3	1

D.

$20 + 10 = 30$

Explain your choice.

2 R

2b. Spot the odd one out.

A.

$2 + 3 = 5$

B.

60 — 30 — 30

C.

50	
30	20

D.

$3 + 2 = 5$

Explain your choice.

2 R

Independent work

3a. Using only 3 numbers, complete the related fact calculations below.

$$\square + 5 = \square$$

$$2 + \square = \square$$

$$5\ 0 + \square\ 0 = \square\ 0$$

$$\square\ 0 + \square\ 0 = 7\ 0$$

3b. Using only 3 numbers, complete the related fact calculations below.

$$\square = 3 + \square$$
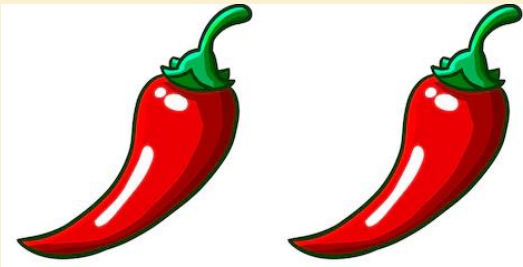
$$3 + \square = \square$$

$$6\ 0 + \square\ 0 = \square\ 0$$

$$\square\ 0 + 6\ 0 = 9\ 0$$

Independent work

4a. Jonny says,

> I know that 7 – 3 = 4, so 70 – 30 = 50.

Is he correct? Explain why.

4b. Laylah says,

> I know that 8 – 5 = 3, so 80 – 50 = 30.
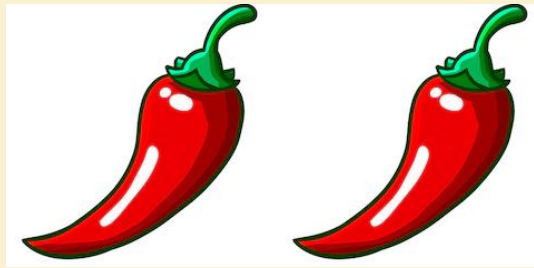
Is she correct? Explain why.

Independent work

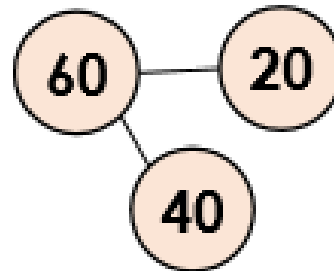
5a. Spot the odd one out.

A.

$60 - 20 = 40$

B.

C.

D.

$60 - 30 = 30$

Explain your choice.
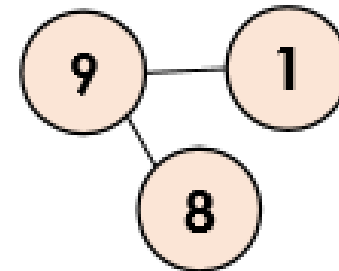
⭐ E

2 R

5b. Spot the odd one out.

A.

$10 + 80 = 90$
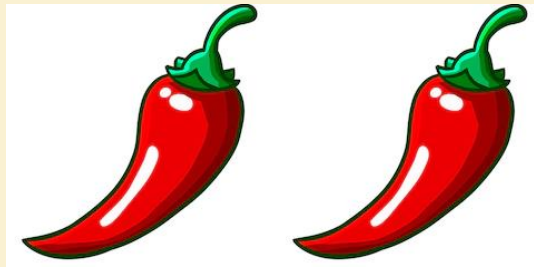
B.

C.

D.

$90 - 80 = 10$

Explain your choice.

⭐ E

2 R

Independent work

6a. Using only 3 numbers, complete the related fact calculations below.	**6b.** Using only 3 numbers, complete the related fact calculations below.

6a.

$$\square - 1 = \square$$

$$2 + \square = \square$$

$$\square 0 - \square 0 = 1\ 0$$

$$2\ 0 + \square 0 = \square 0$$

6b.

$$\square - 5 = \square$$

$$4 + \square = \square$$

$$9\ 0 - \square 0 = 4\ 0$$

$$5\ 0 + \square 0 = \square 0$$

Independent work

7a. Bella says,

> I know that 8 – 2 = 6, so 88 – 22 = 66.

Is she correct? Explain why.

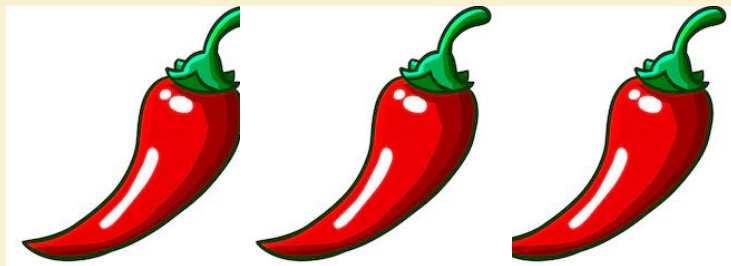**7b. Bartosz says,**

> I know that 5 + 3 = 8, so 55 + 3 = 88.
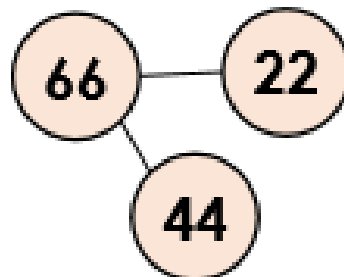
Is he correct? Explain why.

Independent work

8a. Spot the odd one out.

A.

$60 + 20 = 80$

B.

66 — 22

44

C.

6	
4	2

D.

$66 - 22 = 44$

Explain your choice.

8b. Spot the odd one out.

A.

$11 + 88 = 99$

B.

99 — 11

88

C.

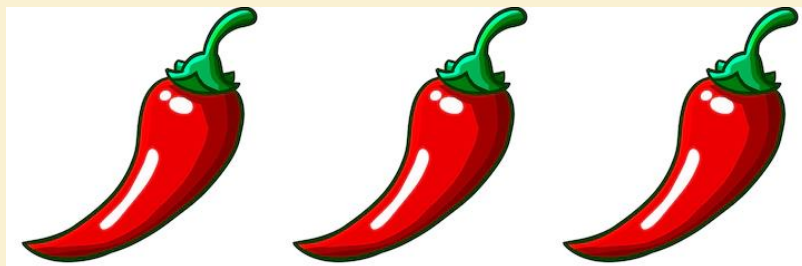| 9	
8	1

D.

$88 - 11 = 77$

Explain your choice.

Independent work

9a. Using only 3 numbers, complete the related fact calculations below.

$$\square - 3 = \square$$

$$4 + \square = \square$$

$$7\,\square - 3\,\square = \square\ 4$$

$$4\,\square + 3\,\square = \square\square$$

9b. Using only 3 numbers, complete the related fact calculations below.

$$\square = \square - 3$$

$$5 + \square = \square$$

$$8\,\square - 3\,\square = 5\,\square$$

$$5\,\square + 3\,\square = \square\square$$

Answers

Developing

1a. Patrick is not correct. 40 + 30 is the same as 4 tens + 3 tens. 4 + 3 = 7, so 40 + 30 = 70.

2a. D is the odd one out. A, B and C all use the addition fact 3 + 1 = 4.

3a.
$2 + 5 = 7$

$2 + 5 = 7$

$50 + 20 = 70$

$20 + 50 = 70$

Developing

1b. Zoe is correct. 20 + 40 is the same as 2 tens + 4 tens. 2 + 4 = 6, so 20 + 40 = 60.

2b. B is the odd one out. A, C and D all use the addition fact 2 + 3 = 5.

3b.
$9 = 3 + 6$

$3 + 6 = 9$

$60 + 30 = 90$

$30 + 60 = 90$

Expected

4a. Jonny is not correct. 70 – 30 is the same as 7 tens – 3 tens. 7 – 3 = 4, so 70 – 30 = 40.

5a. D is the odd one out. A, B and C all use the addition fact 6 – 2 = 4.

6a.
$3 - 1 = 2$

$2 + 1 = 3$

$30 - 20 = 10$

$20 + 10 = 30$

Expected

4b. Laylah is correct. 80 – 50 is the same as 8 tens – 5 tens. 8 – 5 = 3, so 80 – 50 = 30.

5b. C is the odd one out. A, B and D all use the addition fact 1 + 8 = 9.

6b.
$9 - 5 = 4$

$4 + 5 = 9$

$90 - 50 = 40$

$50 + 40 = 90$

Greater Depth

7a. Bella is correct. 88 – 22 is the same as 8 tens – 2 tens and 8 ones – 2 ones. 8 – 2 = 6, so 88 – 22 = 66.

8a. A is the odd one out. B, C and D all use the addition fact 4 + 2 = 6.

9a.
$7 - 3 = 4$

$4 + 3 = 7$

$77 - 33 = 44$

$44 + 33 = 77$

Greater Depth

7b. Bartosz is not correct. 55 + 3 is the same as 5 tens + 0 tens and 5 ones + 3 ones. 5 + 0 = 5 so the tens column does not change. 5 + 3 = 8, so 55 + 3 = 58.

8b. D is the odd one out. A, B and C all use the addition fact 1 + 8 = 9.

9b.
$5 = 8 - 3$

$5 + 3 = 8$

$88 - 33 = 55$

$55 + 33 = 88$

Reflection Time

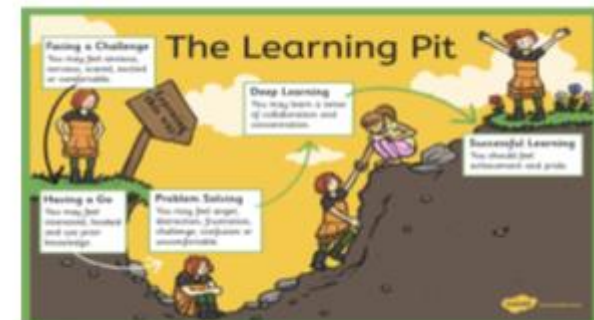Using only 3 numbers, complete the related fact calculations below.

$$\square = \square - 3$$
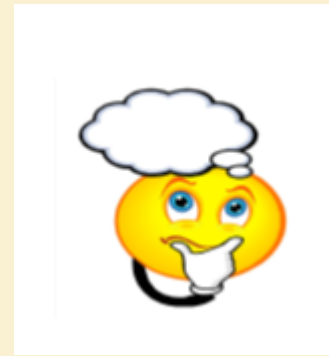
$$3 + \square = \square$$

$$80 - \square 0 = 50$$

$$50 + \square 0 = \square 0$$

The Learning Pit

Reflection Time - Answers

Using only 3 numbers, complete the related fact calculations below.

$$5 = 8 - 3$$

$$3 + 5 = 8$$

$$8\ 0 - 3\ 0 = 5\ 0$$

$$5\ 0 + 3\ 0 = 8\ 0$$

Take time to reflect

The Learning Pit