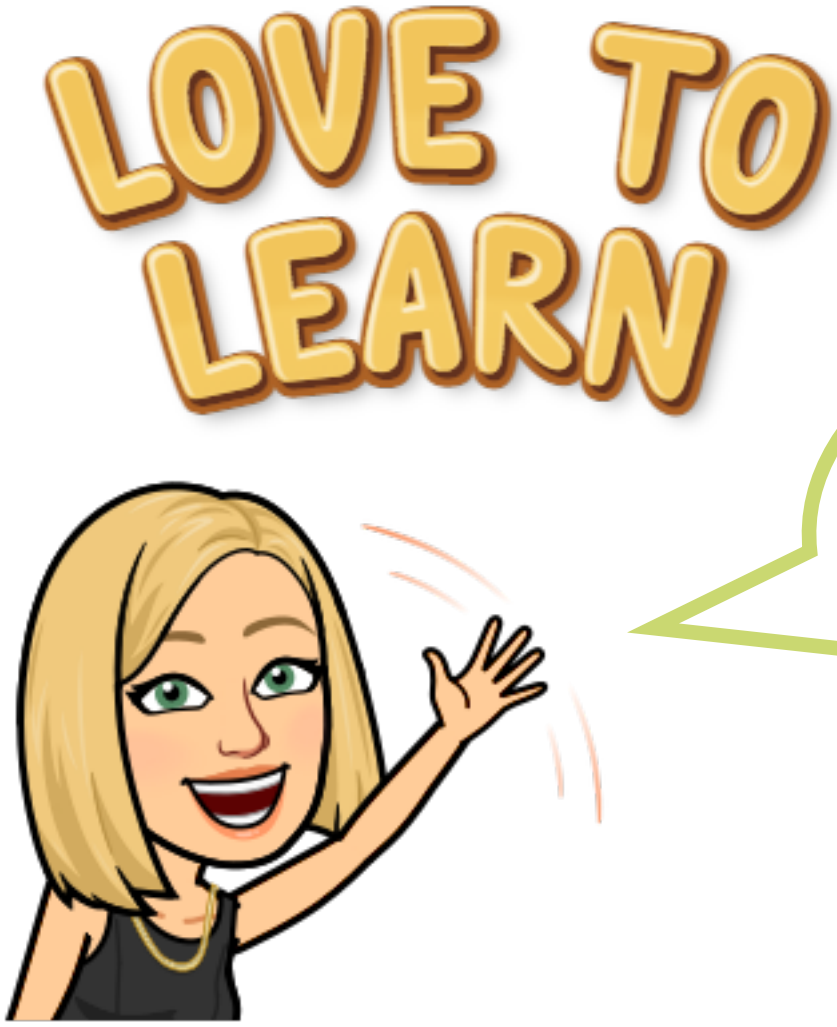
Year 2 Ten Times Table

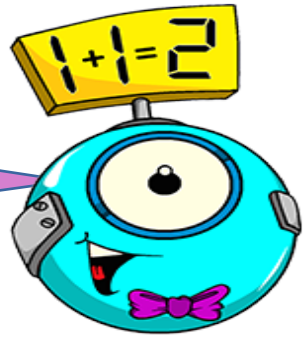


Today our learning will focus on the 10 times table.

Daily Fluency and Recall Tasks

Challenge:

How many numbers appear in the 2, 5 and 10 times tables? Make a list.



Try to learn your:

2 times table

5 times table

10 times table

3 x table

Why not try Hit the button at https://www.topmarks.co.uk/maths-game/hit-the-button
You could practise your number bonds and doubles as well.

It's really important that you practise your times tables every day as they will help you with lots of the maths you will meet in KS2.

Revision

22+ 35 =

89- 41 =

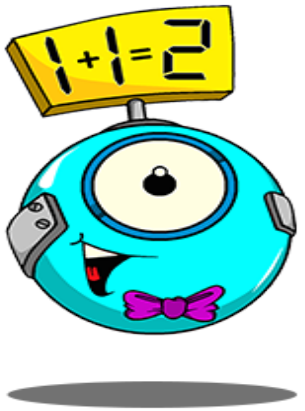
8 x 5 =

2 x ___= 18

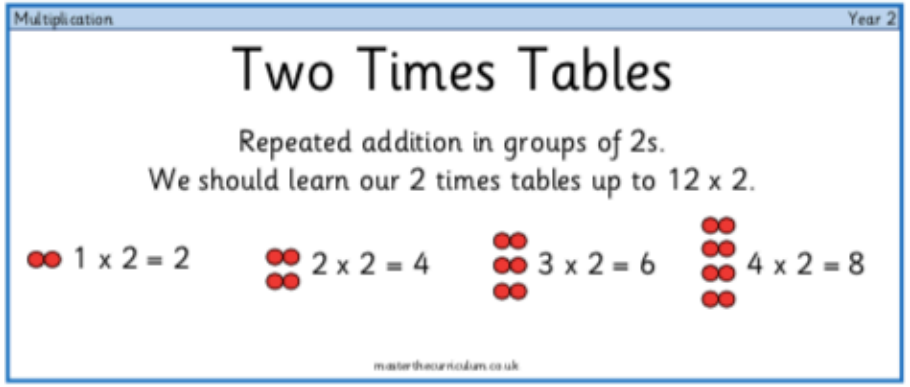
3 + 9 + ____ = 15

Create an addition and subtraction fact family using these numbers- 30, 5 and 25

Create fact families for the addition and subtraction equations.



Vocabulary


Multiplication
Year 2
Two Times Tables
Repeated addition in groups of 2s.
We should learn our 2 times tables up to 12 x 2.
1 x 2 = 2
2 x 2 = 4
3 x 2 = 6
4 x 2 = 8
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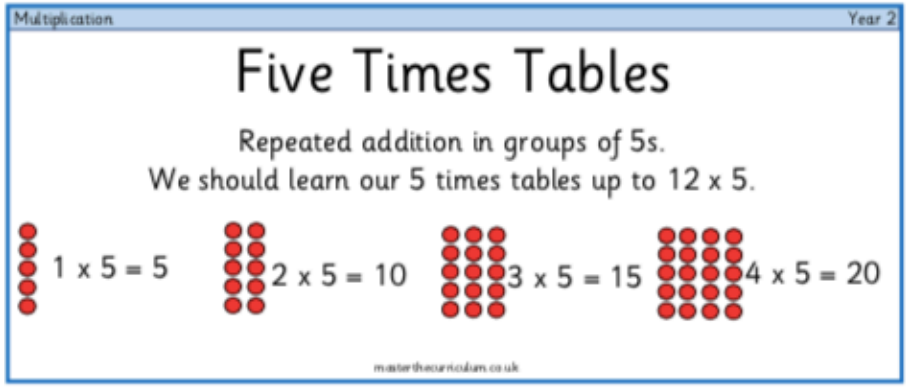
Multiplication
Year 2
Five Times Tables
Repeated addition in groups of 5s.
We should learn our 5 times tables up to 12 x 5.
1 x 5 = 5
2 x 5 = 10
3 x 5 = 15
4 x 5 = 20
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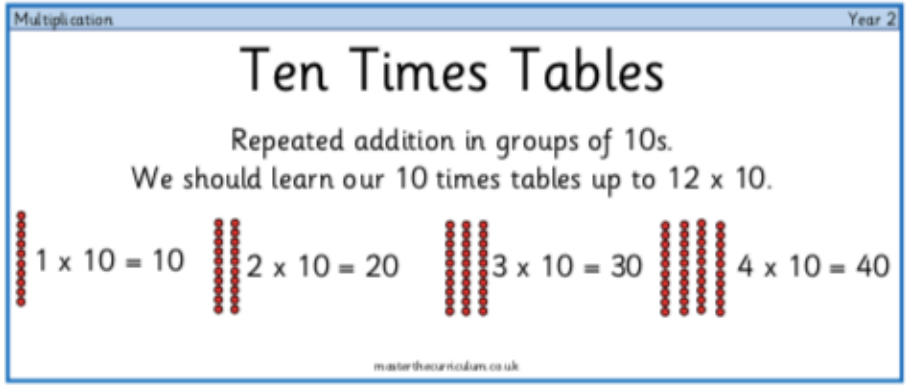
Multiplication
Year 2
Ten Times Tables
Repeated addition in groups of 10s.
We should learn our 10 times tables up to 12 x 10.
1 x 10 = 10
2 x 10 = 20
3 x 10 = 30
4 x 10 = 40
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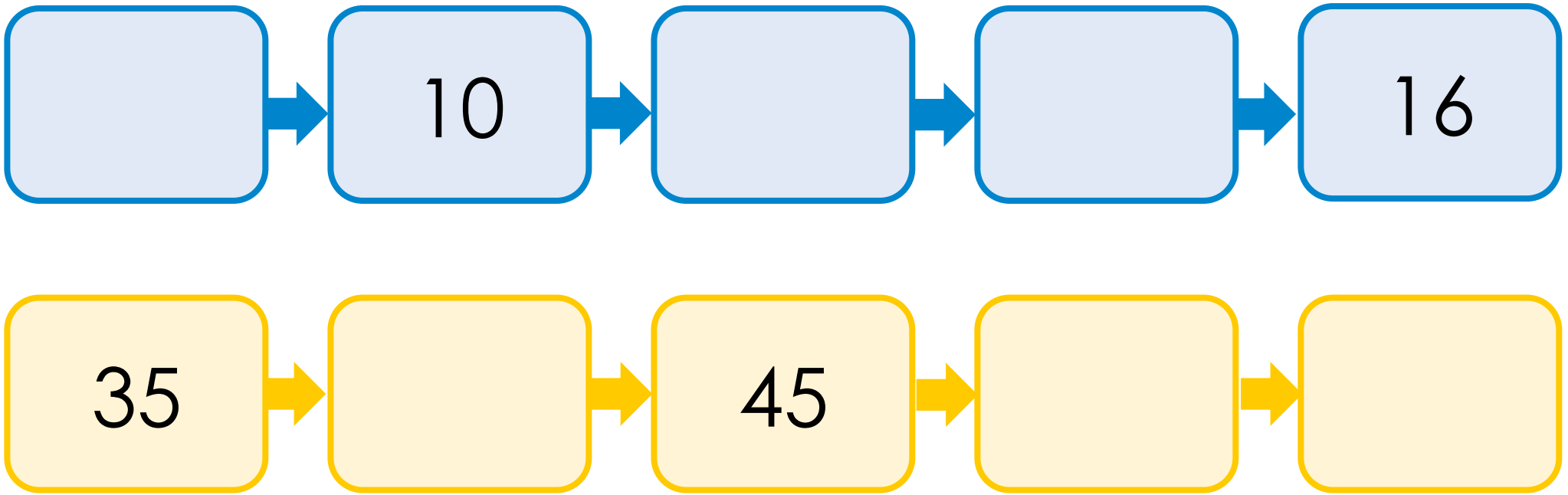
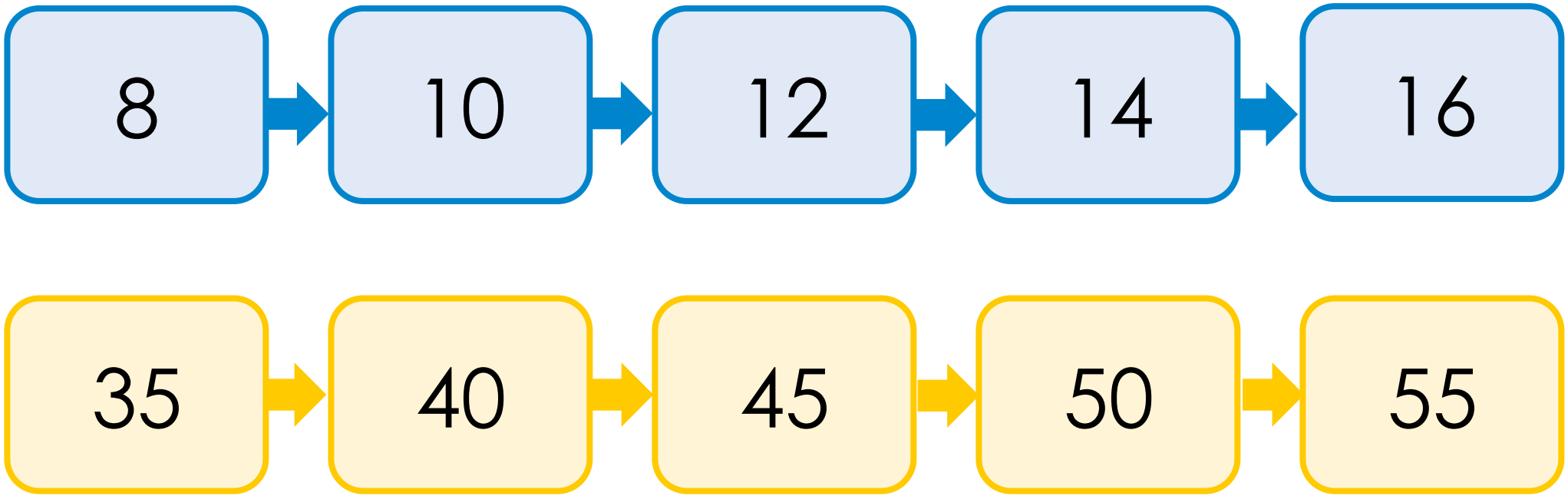
Recap

Can you complete these number tracks? Work out what we are counting in first.



Recap

Can you complete these number tracks?



Recap

We know our 5 x table.

1 × 5 =	7 × 5 =
2 × 5 =	8 × 5 =
3 × 5 =	9 × 5 =
4 × 5 =	10 × 5 =
5 × 5 =	11 × 5 =
6 × 5 =	12 × 5 =

Yesterday we learned the 5 x table. Can you recite (say) it?

Recap

We know our 5 x table.

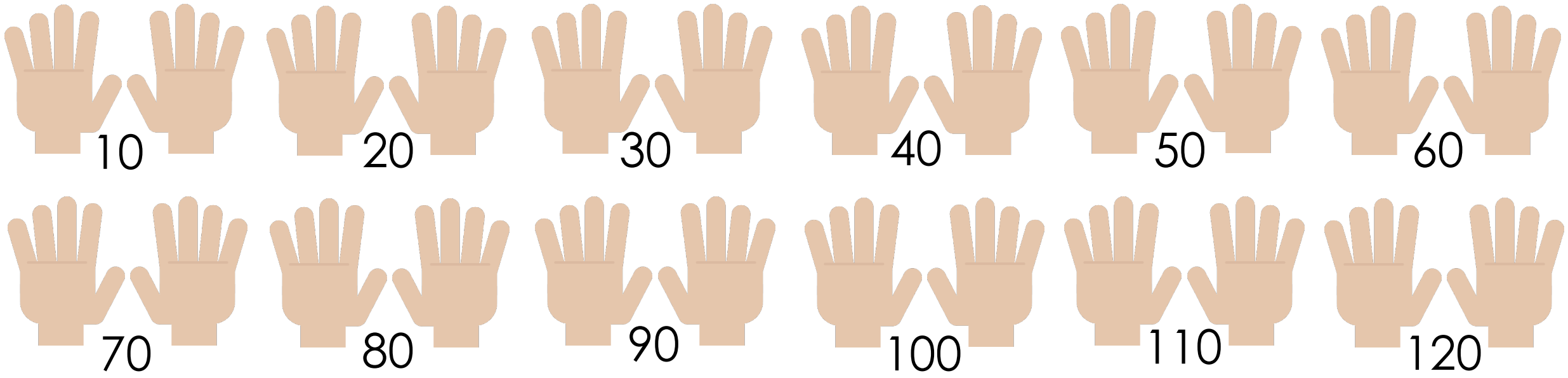
$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$
$6 \times 5 = 30$
$7 \times 5 = 35$
$8 \times 5 = 40$
$9 \times 5 = 45$
$10 \times 5 = 50$
$11 \times 5 = 55$
$12 \times 5 = 60$

Yesterday we learned the 5 x table. Can you recite (say) it?

What pattern did you notice in all the answers. Explain why 23 could not be part of the 5 times table.

Explore

We can count in tens using our hands!



Explore

We can count in tens to work out a multiplication.

____ lots of ____ equals ____

____ × ____

Explore

We can count in tens to work out a multiplication.

9 lots of 10 equals 90

$9 \times 10 = 90$

Explore

Count in tens to work out how many sweets altogether.

____ lots of ____ =

____ × ____ = ____

Explore

Count in tens to work out how many sweets altogether.

7 lots of 10 = 70

7 × 10 = 70

Explore

What patterns can you see?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

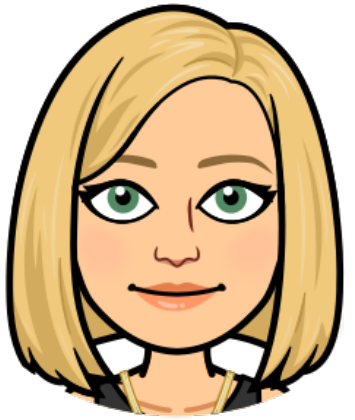
$1 \times 10 = 10$
$2 \times 10 = 20$
$3 \times 10 = 30$
$4 \times 10 = 40$
$5 \times 10 = 50$
$6 \times 10 = 60$
$7 \times 10 = 70$
$8 \times 10 = 80$
$9 \times 10 = 90$
$10 \times 10 = 100$

Explore

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

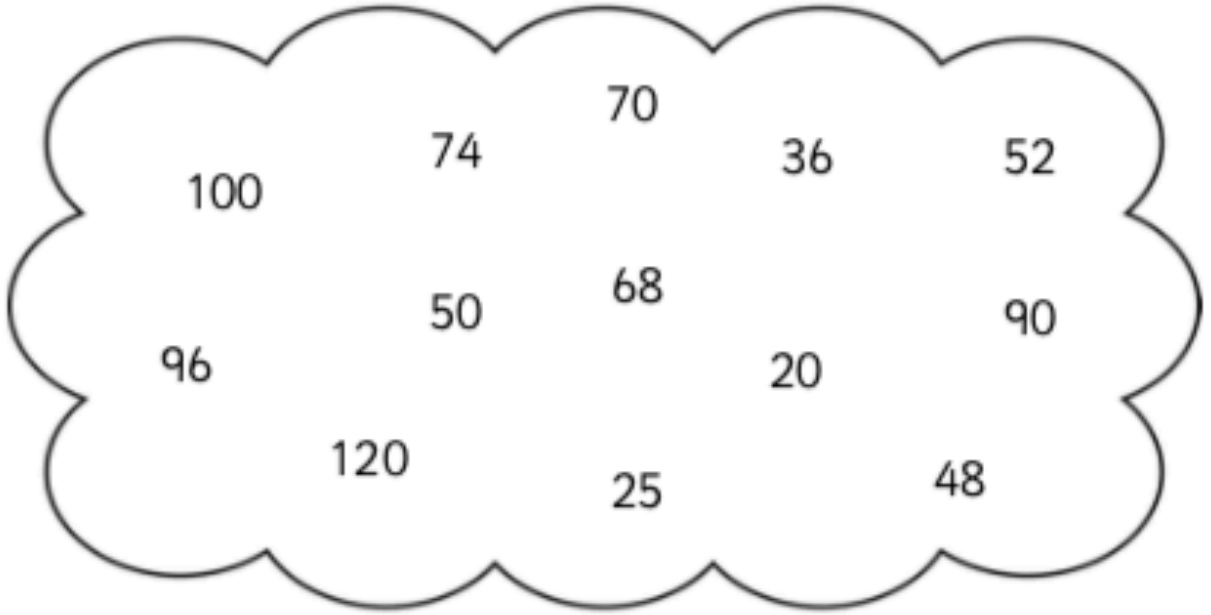
$1 \times 10 = 10$
$2 \times 10 = 20$
$3 \times 10 = 30$
$4 \times 10 = 40$
$5 \times 10 = 50$
$6 \times 10 = 60$
$7 \times 10 = 70$
$8 \times 10 = 80$
$9 \times 10 = 90$
$10 \times 10 = 100$

Did you notice that all the numbers in the ten times table end in 0?

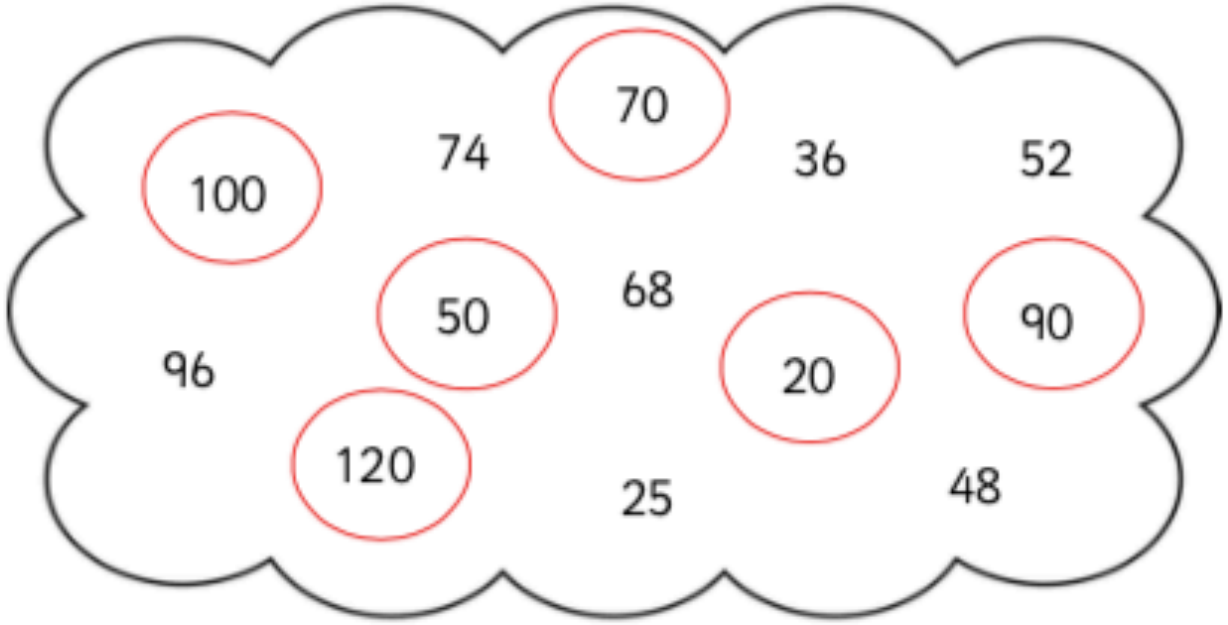


Your Turn

Circle the numbers in the 10 times table and tell your grown up how you knew which ones to choose.



Review



What do you notice about the numbers you have circled? Numbers end in 0.

Your Turn

Count in tens to complete these number tracks.

	10	20			50

30		50			80

		90			120

Review

Did you find all the missing numbers?

0	10	20	30	40	50

30	490	50	60	70	80

70	80	90	100	110	120

Guided Practice

How many footballs altogether?

Can you write it as a multiplication?

☐ x ☐ = ☐

Guided Practice

There are 5 boxes of 10 footballs. That's 5 lots of 10.

Can you write it as a multiplication?

$$5 \times 10 = 50$$

Guided Practice

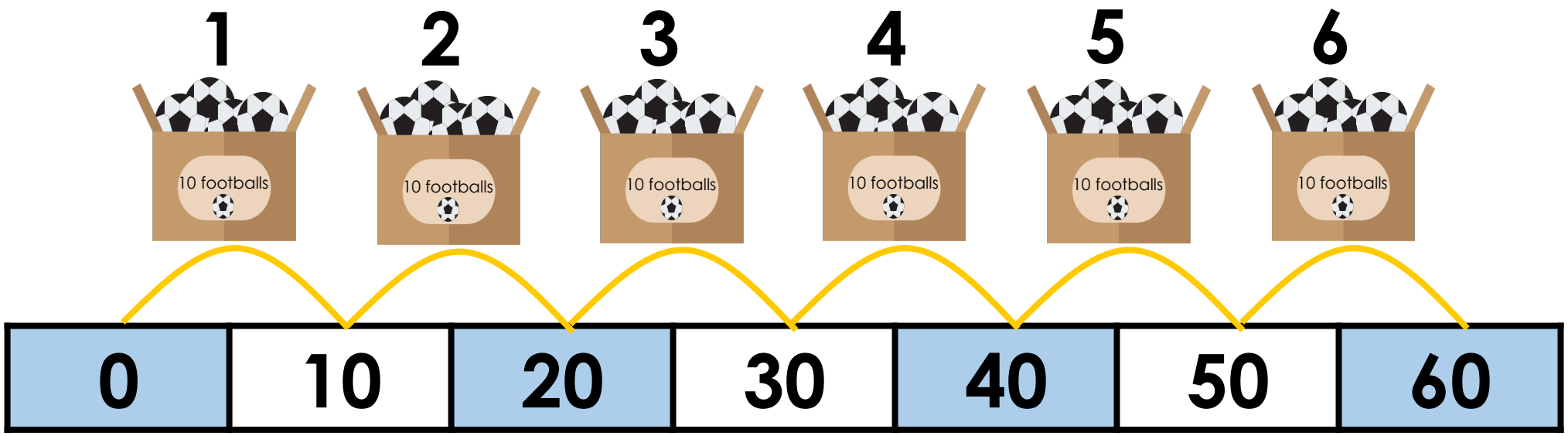
Can we show our jumps on a number line?

0	10	20	30	40	50	60

6 x 10 =

Guided Practice

Can we show our jumps on a number line?

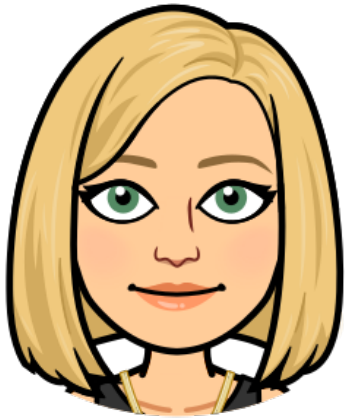


6 lots of 10 = 6 jumps

6 x 10 = 60

Guided Practice

Write a number sentence to make the ordered sentences true.

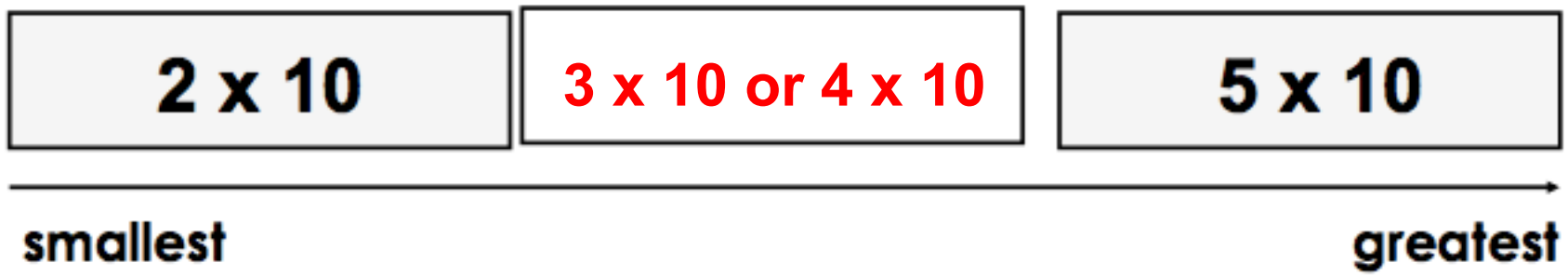


2 x 10		5 x 10

smallest → greatest

Guided Practice

I need to find a multiplication that is between 2 lots of 10 and 5 lots of 10.



Reasoning

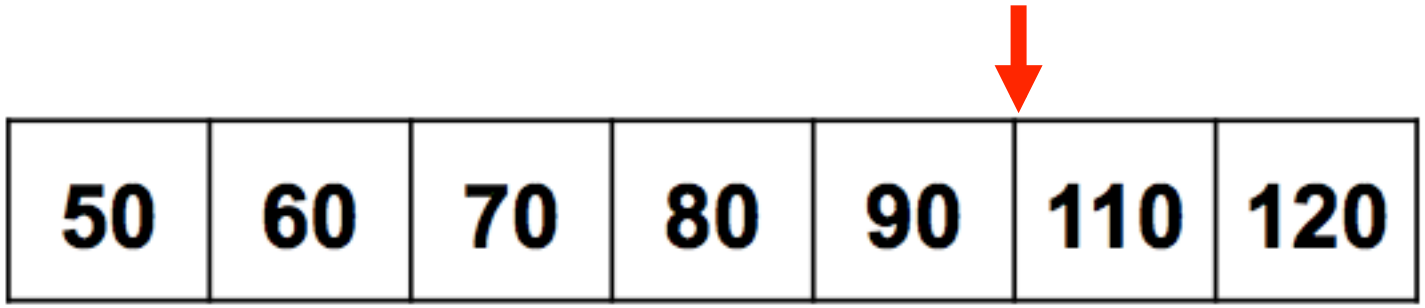
Mrs Riley creates a number track counting up in 10s from 50.

50	60	70	80	90	110	120

What mistake has she made?

Reasoning

Mrs Riley creates a number track counting up in 10s from 50.



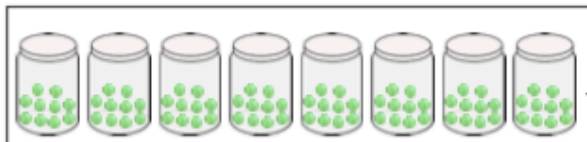
What mistake has she made?

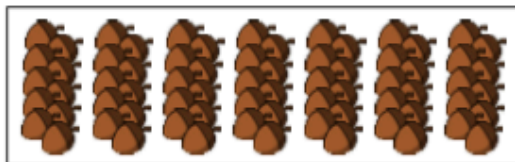
She has missed the number 100 from the number track.
The number track goes up in 10s.

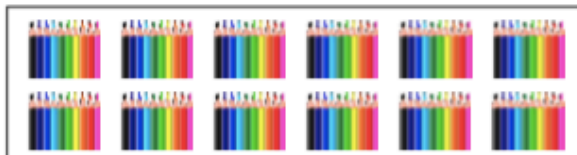
Independent Tasks

1 Count in 10s to calculate how many in total

a _____ x 10 = _____

b  _____ x _____ = _____

c  _____ x _____ = _____

d  _____ x _____ = _____

2 How many altogether?

a

There are 40 pencils, how many pencil pots are there?

_____ x 10 = 40

b

There are 70 cupcakes, how many plates are there?

_____ x 10 = 70

1 Write a number sentence to make the ordered number sentences true.

a | 1 x 10 | | 5 x 10 |

smallest greatest

b | 4 x 10 | | 8 x 10 |

smallest greatest

c | 7 x 10 | | 10 x 10 |

smallest greatest

d | 10 x 10 | | 12 x 10 |

smallest greatest

e | 3 x 10 | | 5 x 10 |

smallest greatest

f | 3 x 10 | | 6 x 10 |

smallest greatest

2 Help Dom complete the following problem.

| 2 x 10 | | 8 x 5 |

smallest greatest

If you're finding things tricky ….

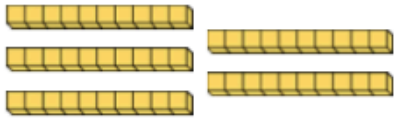
1 Count in 10s to calculate how many in total

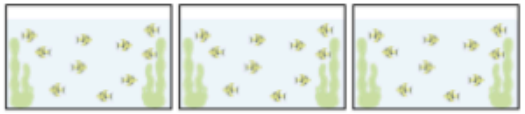
a _____ x 10 = _____

b _____ x 10 = _____

c _____ x 10 = _____

d _____ x 10 = _____

e  _____ x 10 = _____

f  _____ x 10 = _____

g _____ x 10 = _____

1 Complete the number tracks.

a

10		30	

b

	60		80

c

	90	100	

d

20			50

e

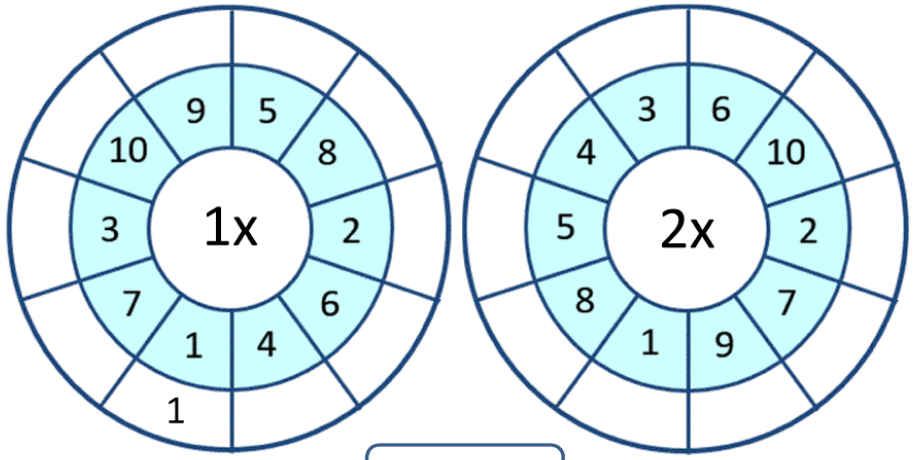
		110	120

f

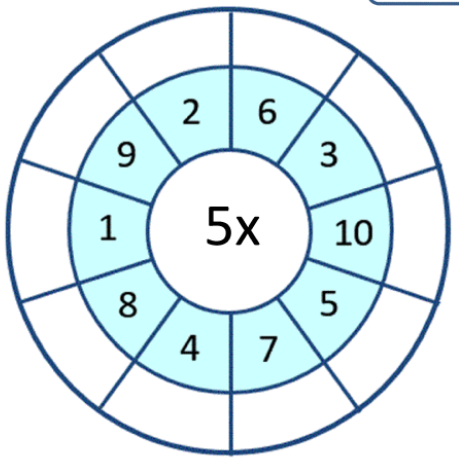
40	50		

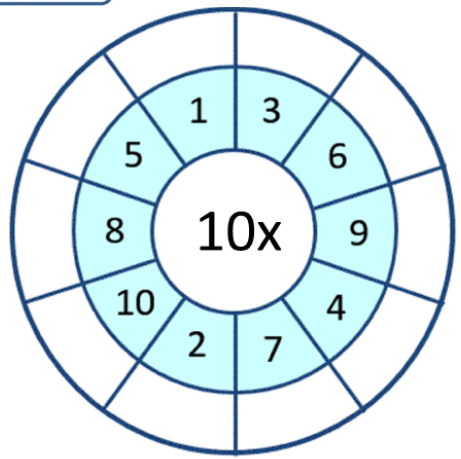
Challenge Tasks

Multiply the numbers by the centre number.



UP TO X10





Kim swims 10 lengths of the swimming pool 5 times.

Tick (✓) the calculations that **do not** describe the word problem.

A) 10 + 5
B) 10 x 5
C) 5 + 5 + 5 + 5 + 5
D) 10 + 10 + 10 + 10 + 10

Help Beth complete the following problem.

1 x 10		6 x 5

smallest → greatest

How many ways can this be completed?

Tick (✓) the calculations that show:
5 lots of 7.

A) 10 + 7
B) 7 + 7 + 7 + 7 + 7
C) 10 + 10 + 10 + 10 + 10 + 10 + 10
D) 10 x 7

There are 90 marbles.

How many jars are there?

Explain how you know.

Matt runs 10 metres 4 times.

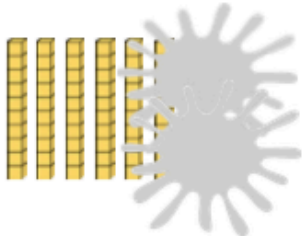
Tick (✓) the calculations that **do not** describe the word problem.

A) 10 x 4
B) 10 + 10 + 10 + 10
C) 10 + 4
D) 4 + 4 + 4 + 4

Some Base 10 has been hidden by ink spills.

The total is less than 100.

What could the calculation be?



_____ x 10 = _____

Che has created a number track counting up in 10s from 40.

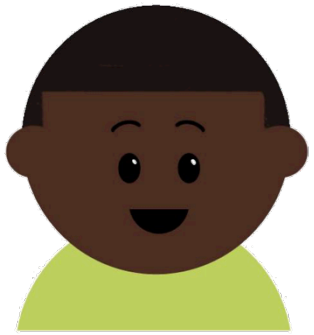
40	50	60	70	80	100	110

What mistake has Che made?

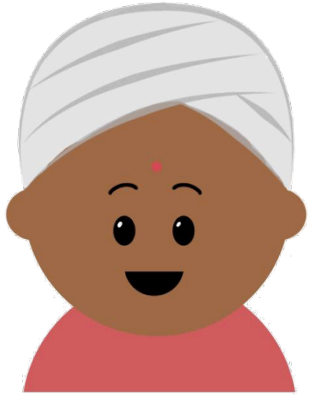
Sue says it could be 10 x 10. Is Sue correct? Explain your answer.

Exit task – Dong Nao Jin

Caleb and Ranjit are counting their money.
They both have the same amount.



I only have £5 notes.



I only have £10 notes.

How much could they have?
Find all the possibilities.

MISSION
ACCOMPLISHED

Revision Answers

22+ 35 = 57

89- 41 =48

8 x 5 = 40

2 x 9= 18

3 + 9 + 3 = 15

Create an addition and subtraction fact family using these numbers- 30, 5 and 25

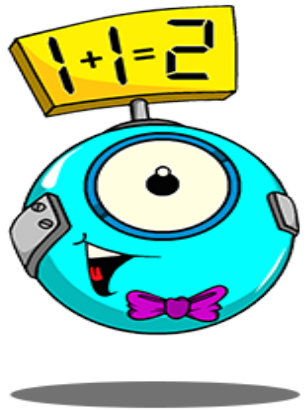
5 + 25 = 30

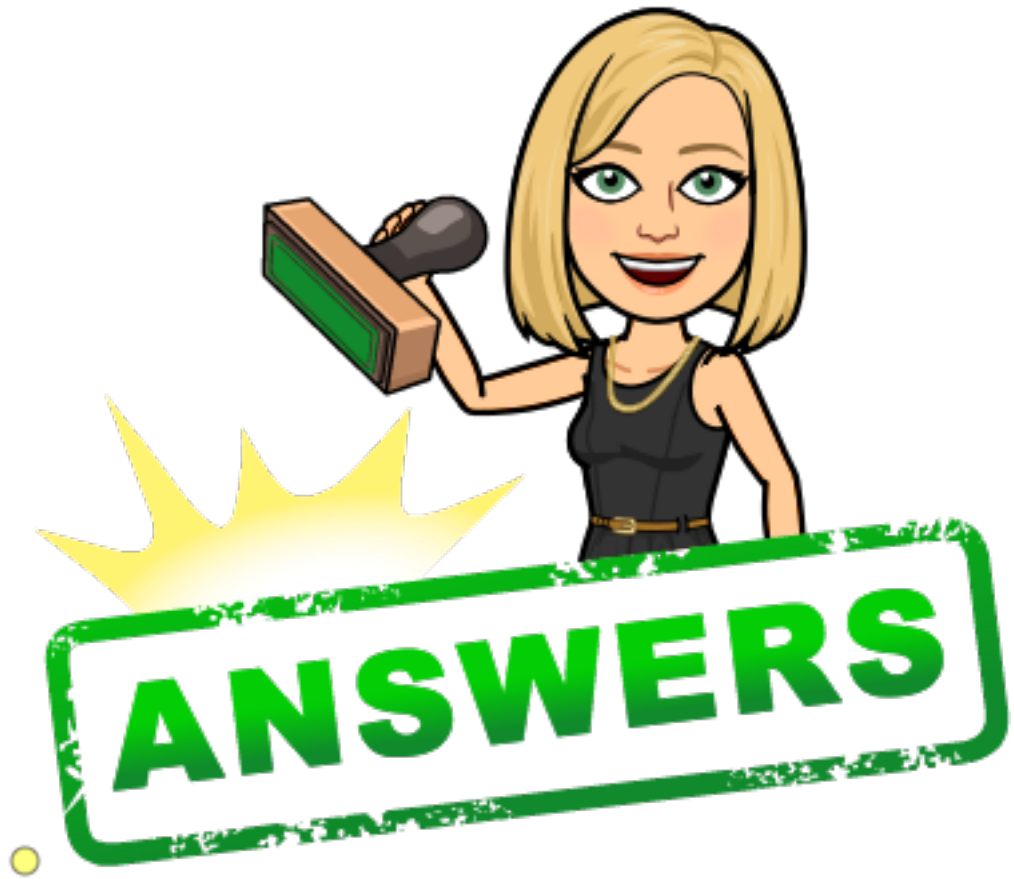
25 + 5 = 30

30 – 5 = 25

30 -25 = 5

Create fact families for the addition and subtraction equations.




ANSWERS

1 How many are there altogether?

a

__4__ x 10 = __40__

b

__8__ x __10__ = __80__

c

__7__ x __10__ = __70__

d

__12__ x __10__ = __120__

2 How many altogether?

a

There are 40 pencils, how many pencil pots are there?

__4__ x 10 = 40

b

There are 70 cupcakes, how many plates are there?

__7__ x 10 = 70

1 Write a number sentence to make the ordered number sentences true.

a

1 x 10	Any multiplication sum between 1x10 and 5x10	5 x 10

smallest → greatest

b

4 x 10	Any multiplication sum between 4x10 and 8x10	8 x 10

smallest → greatest

c

7 x 10	Any multiplication sum between 7x10 and 10x10	10 x 10

smallest → greatest

d

10 x 10	11 x 10	12 x 10

smallest → greatest

e

3 x 10	4 x 10	5 x 10

smallest → greatest

f

3 x 10	Any multiplication sum between 3x10 and 6x10	6 x 10

smallest → greatest

2 Help Dom complete the following problem.

2 x 10	Either 3x10, 5x5, 6x5 or 7x5	8 x 5

smallest → greatest

1 How many are there altogether?

a

4 x 10 = 40

b

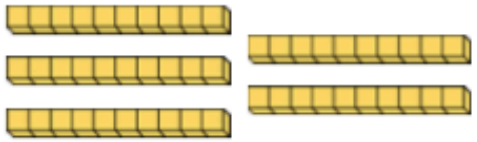
8 x 10 = 80

c

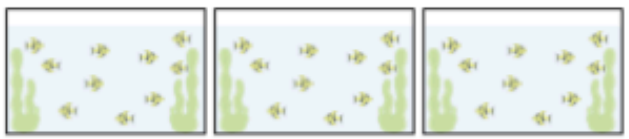
7 x 10 = 70

d

12 x 10 = 120

e 

5 x 10 = 50

f 

3 x 10 = 30

g

1 x 10 = 10

1 Complete the number tracks.

a

10	20	30	40

b

50	60	70	80

c

80	90	100	110

d

20	30	40	50

e

90	100	110	120

f

40	50	60	70

Kim swims 10 lengths of the swimming pool 5 times.

Tick (✓) the calculations that **do not** describe the word problem.

A) 10 + 5 ✓
B) 10 x 5
C) 5 + 5 + 5 + 5 + 5 ✓
D) 10 + 10 + 10 + 10 + 10

Help Beth complete the following problem.

1 x 10		6 x 5

smallest → greatest

How many ways can this be completed?

2 ways - 2 x 10, 5 x 5.

Tick (✓) the calculations that show:
5 lots of 7.

A) 10 + 7
B) 7 + 7 + 7 + 7 + 7 ✓
C) 10 + 10 + 10 + 10 + 10 + 10 + 10
D) 10 x 7

There are 90 marbles.

How many jars are there?
Explain how you know.

9 jars.
There are 10 marbles each jar. If there are 90 marbles in total, there must be 9 jars. (9x10).

Matt runs 10 metres 4 times.

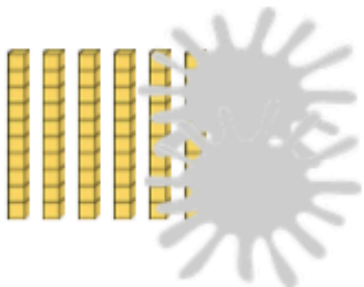
Tick (✓) the calculations that **do not** describe the word problem.

A) 10 x 4
B) 10 + 10 + 10 + 10
C) 10 + 4 ✓
D) 4 + 4 + 4 + 4 ✓

Some Base 10 has been hidden by ink spills.

The total is less than 100.

What could the calculation be?



6 x 10 = 60
7 x 10 = 70
8 x 10 = 80
9 x 10 = 90

_____ x 10 = _____

Che has created a number track counting up in 10s from 40.

What mistake has Che made?

40	50	60	70	80	100	110

Che has missed the number 90.

Sue says it could be 10 x 10. Is Sue correct?
Explain your answer.

Sue is not correct. 10 x10 = 100.
The calculation needs to be less than 100.