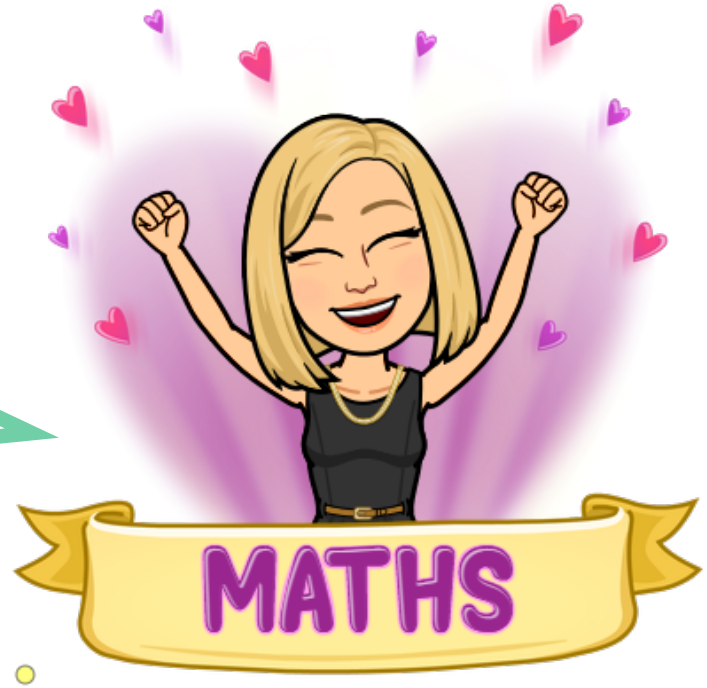
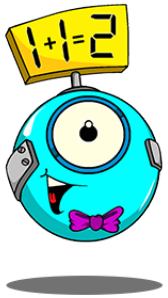
# Year 2 Maths

Friday 29.01.2021
Repeated Addition

Today we will concentrate on recognising and writing repeated addition sentences.



# Fluency Revision




Create fact families for at least 2 calculations.

Solve these calculations

43 + 35 =

77 – 5 3 =

14 + 36 =

28 + 15 =

95- 49 =

Niamh has 39p in her coat pocket and 48p in her purse. How much does she have altogether?

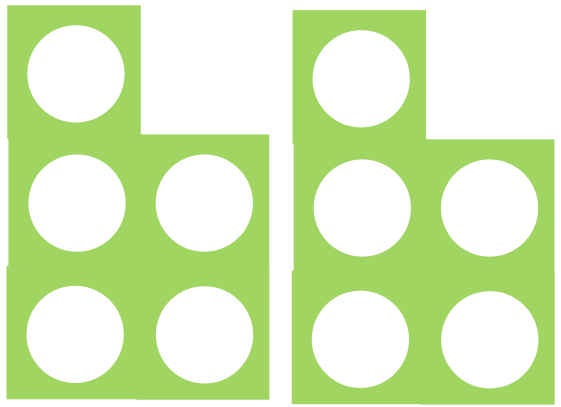
# Anchor Task

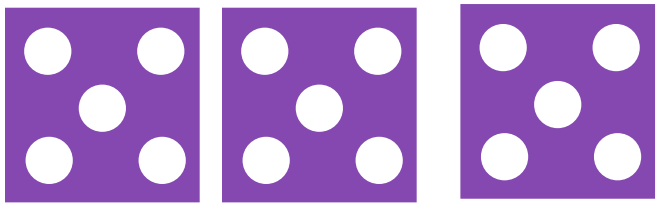
**Which one does not belong?**

Three 5s

5 + 5 +5

Fifteen

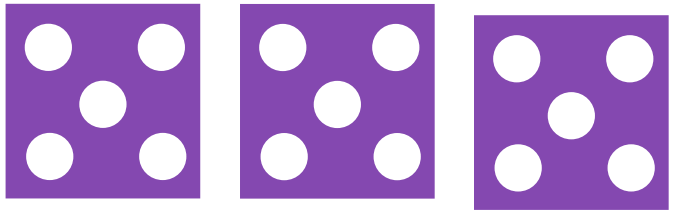


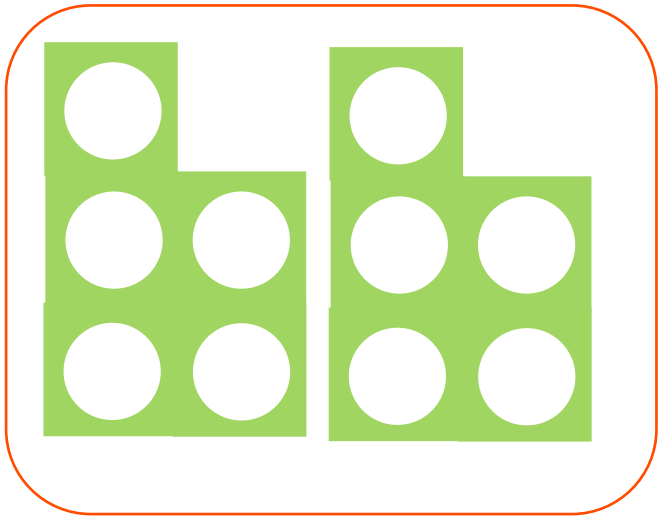


# Anchor Task Review

Three 5s

5 + 5 +5





Fifteen

This does not belong because it is a representation of 10 and all the rest show representations of 15.

# Recap

Multiplication Year 2

## Equal Groups

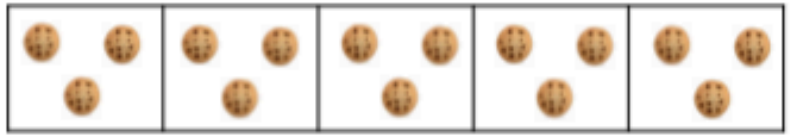
5 x 3 = 15

There are 5 groups with the same amount in each group.
They are equal groups.

masterthecurriculum.co.uk

Multiplication Year 2

## Repeated Addition



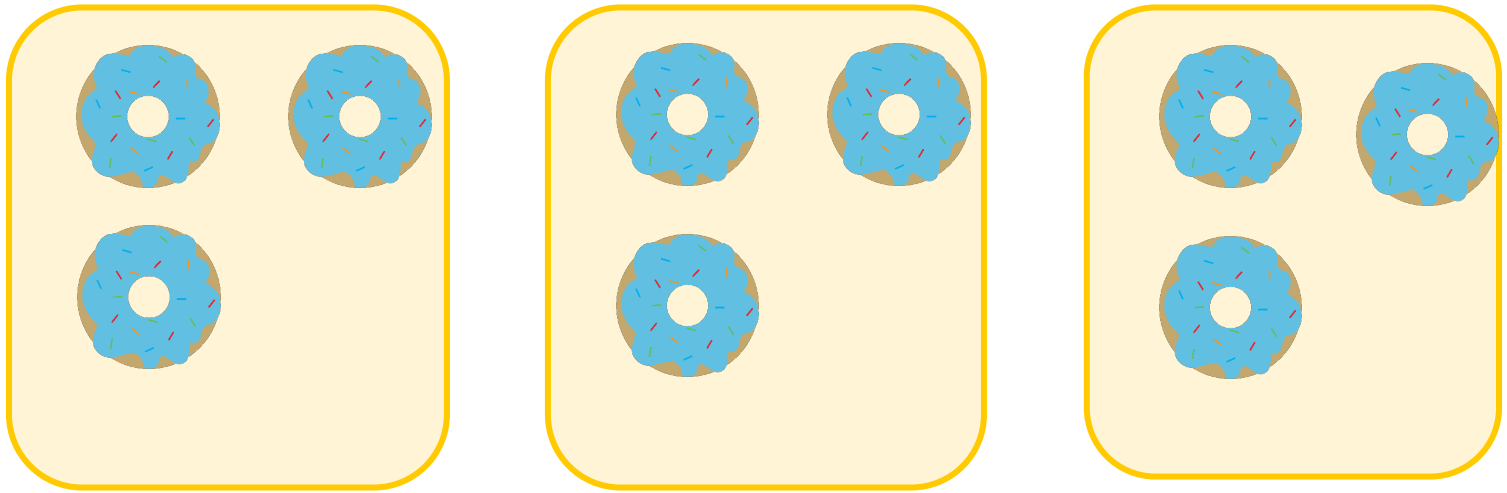
3 + 3 + 3 + 3 + 3

Adding the same number again and again.

masterthecurriculum.co.uk

# Recap

How can we write this as a repeated addition?

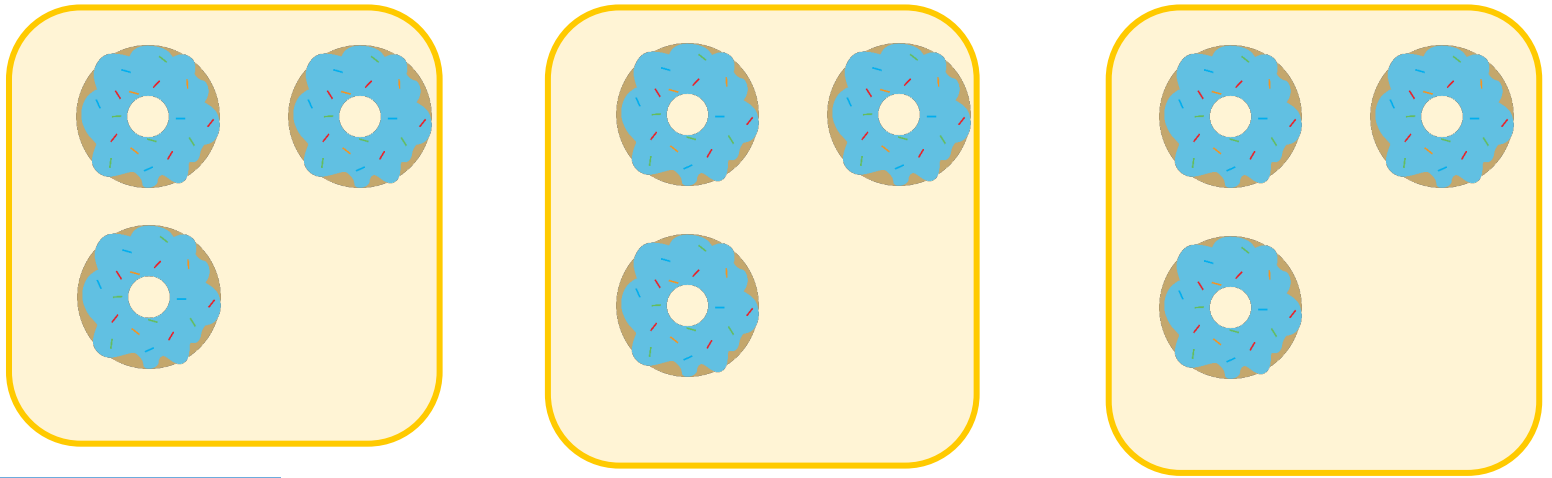


___ + ___ + ___ = ____

Remember you have to count how many equal groups and how many in each group to work out the addition sentence.

# Recap

How can we write this as a repeated addition?



You can use the pictures to help you count the total.

Remember, we call this a repeated addition sentence

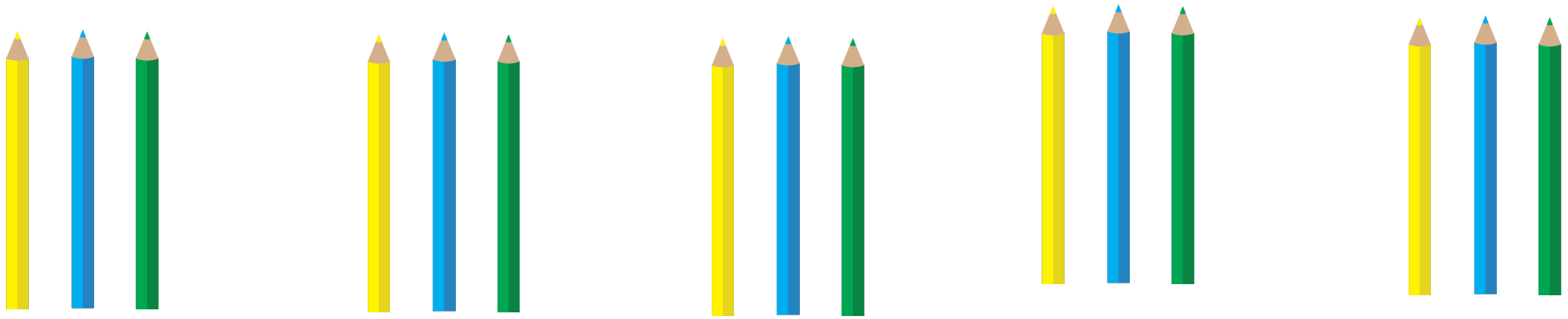
3 + 3 + 3 = 9

There are 3 equal groups of 3. That is 9 in total.

# Your Turn

Look at the pictures and complete these statements.

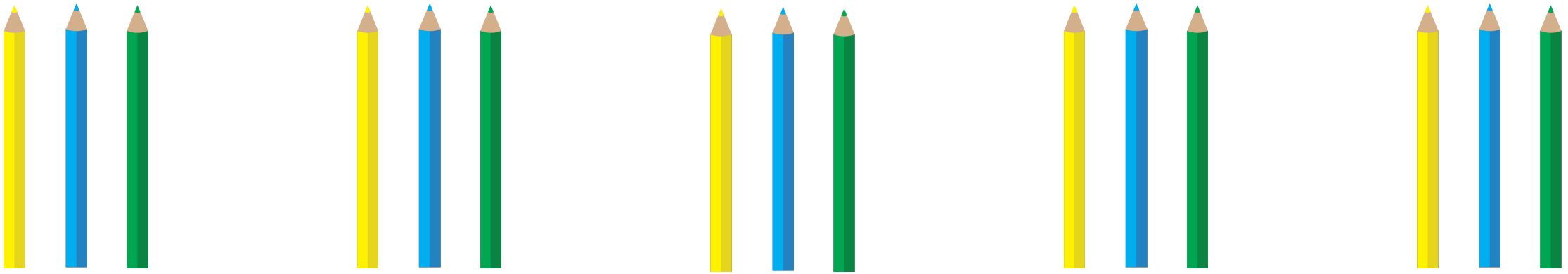
There are ____ equal groups with ____ in each group.
There are _____ groups of _____.



____ add ____ add ____ add ____ add ____ equals ____
____ lots of ____ is ____

# Review

There are 5 equal groups with 3 in each group.
There are 5 groups of 3.



3 add 3 add 3 add 3 add 3 equals 5 lots of 3
5 lots (groups) of 3 is 15

3 + 3+3+3+3 = 15

Notice how I can say this very long addition in a more efficient way.

# Explore

How many cherries altogether?

2 + 2 + 2 = _____

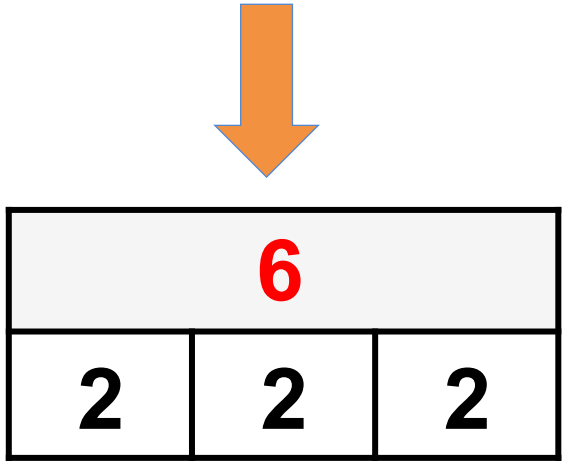
There are _____ groups of _____ cherries

which is equivalent to _____.

# Explore

How many cherries altogether?

I can show my addition sentence as a bar model.



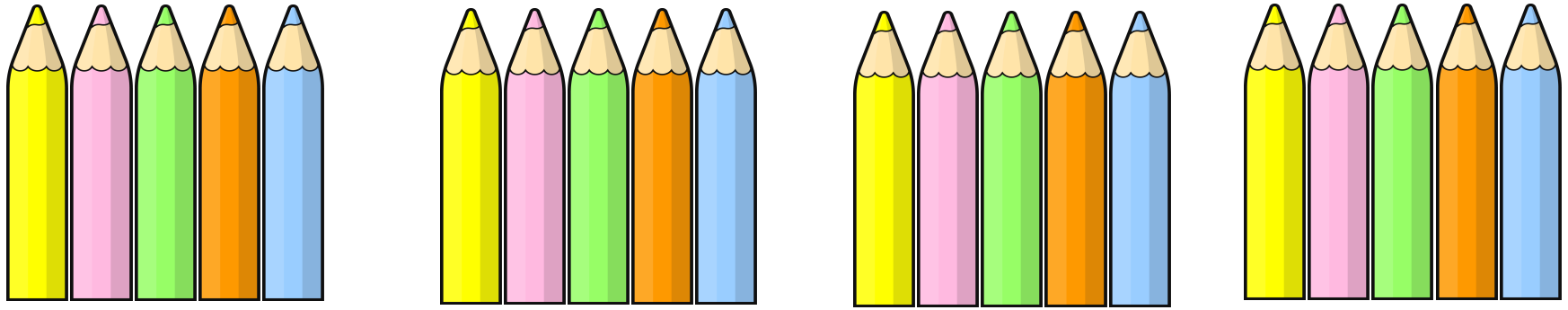

2 + 2 + 2 = 6

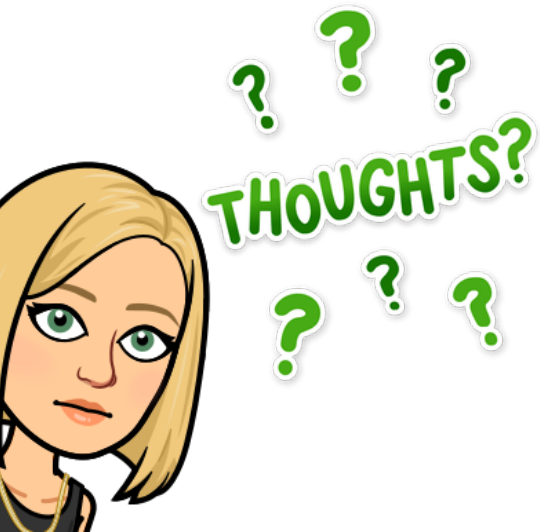
There are 3 groups of 2 cherries

which is equivalent to 6.

# Guided Practice

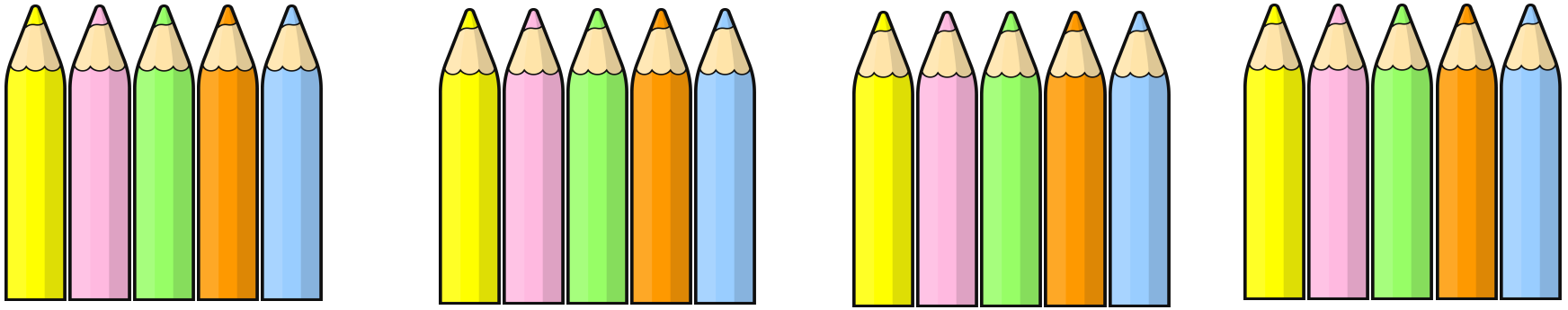
How many pencils altogether? Talk to your grown up about how you could write this as a repeated addition

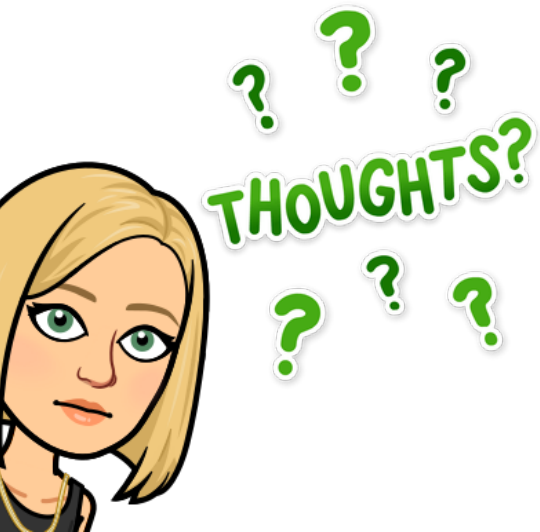




# Guided Practice

How many pencils altogether?

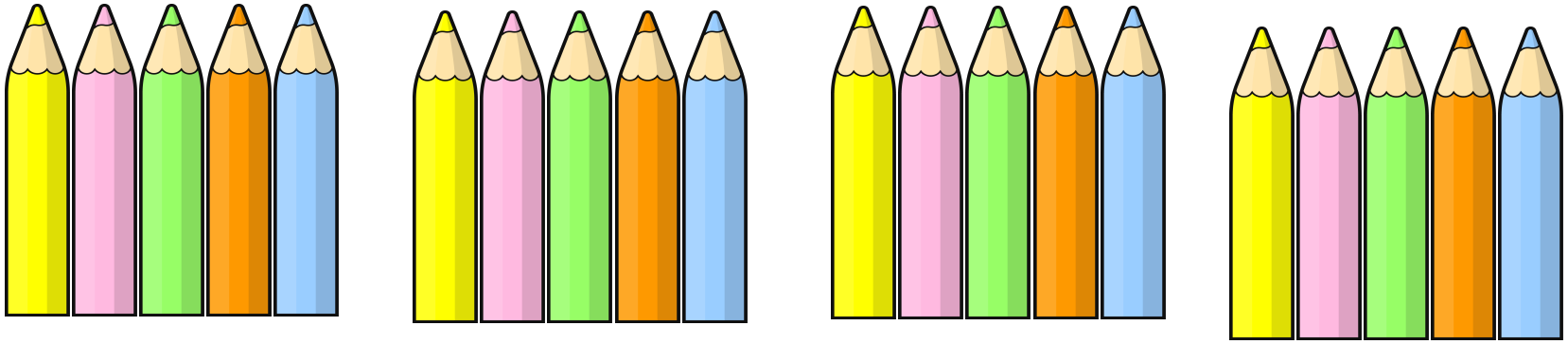





I need to count the equal groups and how many are in each group. I can then write a repeated addition sentence.

# Guided Practice

How many pencils altogether?



| 20 | | | |
|---|---|---|---|
| 5 | 5 | 5 | 5 |

5 + 5 + 5 + 5 = **20**

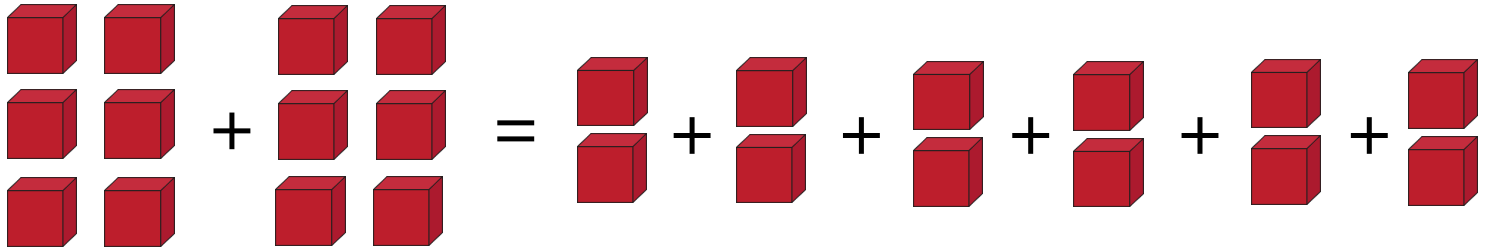
There are **4** lots/ groups of **5** pencils

which is equivalent to **20**.

# Guided Practice

Sometimes equal groups can be made in more than one way.

$$6 + 6 = 2 + 2 + 2 + 2 + 2 + 2$$



Watch Mrs Riley's explanation on today's learning video. Click on the link on our Remote Learning page.

# Guided Practice

**Look at this statement. Is it true or false? Explain how you know.**


$$5 + 5 + 5 = 3 + 3 + 3 + 3 + 3$$

Draw an image or use cubes to help you explain your answer.
Remember, the = symbol means 'is the same as'. This means you have to work out whether 5+5=5 is the same as 3+3+3+3=3

# Guided Practice

**Look at this statement. Is it true or false?**

$$5 + 5 + 5 = 3 + 3 + 3 + 3 + 3$$

This is true because they are both equal to 15 but the groups look different.

To the left of the ‘equal to’ sign are 3 equal groups of 5, and to the right of the ‘equal to’ sign are 5 equal groups of 3.

# Independent Task

1 Complete the stem sentences. Check your answers using a number line.

a How many ice-cream scoops altogether?

2 + 2 + 2 + 2 + 2 = _____

There are _____ groups of _____

ice-cream scoops which is equivalent to _____.

b How many single cherries altogether?

2 + 2 + 2 + 2 = _____

There are _____ groups of _____

cherries which is equivalent to _____.

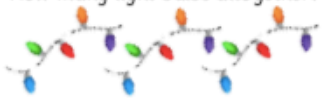
c How many petals altogether?

5 + 5 + 5 + 5 = _____

There are _____ groups of _____

petals which is equivalent to _____.

d How many light bulbs altogether?



5 + 5 + 5 = _____

There are _____ groups of _____

light bulbs which is equivalent to _____.

e How many fish altogether?

10 + 10 + 10 = _____

There are _____ groups of _____

fish which is equivalent to _____.

f How many apples altogether?

10 + 10 + 10 + 10 + 10 = _____

There are _____ groups of _____

apples which is equivalent to _____.

g How many pencils altogether?

10 + 10 + 10 + 10 = _____

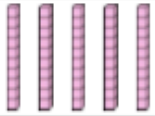
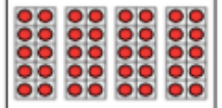
There are _____ groups of _____

pencils which is equivalent to _____.

Comlete these repeated addition sentences. .


# Independent Task

1 Complete the table.

| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | | 6<br>2 2 2 | There are ____ groups of ____ which is equivalent to ____. |
| | 10 + 10 + 10 | | There are 3 groups of 10 which is equivalent to 30. |
|  | | | There are 3 groups of 5 which is equivalent to 15. |
| | 2 + 2 + 2 + 2 | 8<br>2 2 2 2 | There are ____ groups of ____ which is equivalent to ____. |
|  | 10 + 10 + 10 + 10 + 10 | | There are ____ groups of ____ which is equivalent to ____. |
| | | 20<br>5 5 5 5 | There are 4 groups of 5 which is equivalent to 20. |
|  | | 40<br>10 10 10 10 | There are ____ groups of ____ which is equivalent to ____. |
|  | | | There are 5 groups of 2 which is equivalent to 10. |
| | | 25<br>5 5 5 5 5 | There are 5 groups of 5 which is equivalent to 25. |

Complete the table.
Remember to check how many equal groups there are and how many in each group.

| Picture | Repeated addition | Bar model | Stem sentence |
|---|---|---|---|
|  | 2 + 2 + 2 + 2 + 2 + 2 | 10<br>2 2 2 2 2 | There are 5 groups of 2 which is equivalent to 10. |

# If you're finding things tricky…

1 Complete the stem sentences. Check your answers using a number line.

a How many single cherries altogether?

2 + 2 + 2 + 2 + 2 = 10

There are 5 groups of 2 cherries which is equivalent to 10.

b How many doughnuts altogether?

2 + 2 = _____

There are _____ groups of _____ doughnuts which is equivalent to _____.

c How many ice-cream scoops altogether?

2 + 2 + 2 + 2 = _____

There are _____ groups of _____ ice-cream scoops which is equivalent to _____.

d How many cookies altogether?

2 + 2 + 2 = _____

There are _____ groups of _____ cookies which is equivalent to _____.

e How many apples altogether?

10 + 10 + 10 + 10 = _____

There are _____ groups of _____ apples which is equivalent to _____.

f How many pencils altogether?

10 + 10 = _____

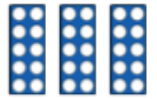
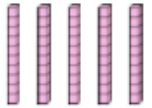
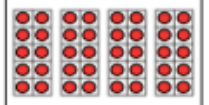
There are _____ groups of _____ pencils which is equivalent to_____.

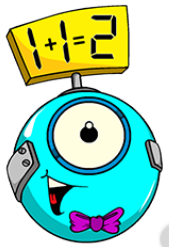
g How many marbles altogether?

10 + 10 + 10 = _____

There are _____ groups of _____ marbles which is equivalent to _____.

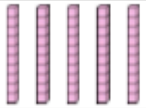
1 Complete the table.

| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | | 6 \| 2 \| 2 \| 2 | There are 3 groups of 2 which is equivalent to 6. |
|  | 10 + 10 + 10 | 30 \| 10 \| 10 \| 10 | There are ____ groups of ____ which is equivalent to ____. |
|  | 2 + 2 + 2 + 2 | | There are 4 groups of 2 which is equivalent to 8. |
|  | 10 + 10 + 10 + 10 + 10 | 50 \| 10 \| 10 \| 10 \| 10 \| 10 | There are ____ groups of ____ which is equivalent to ____. |
|  | 2 + 2 | 4 \| 2 \| 2 | There are ____ groups of ____ which is equivalent to ____. |
|  | | 40 \| 10 \| 10 \| 10 \| 10 | There are 4 groups of 10 which is equivalent to 40. |
|  | 2 + 2 + 2 + 2 + 2 | | There are 5 groups of 2 which is equivalent to 10. |
| | 10 + 10 | 20 \| 10 \| 10 | There are 2 groups of 10 which is equivalent to 20. |



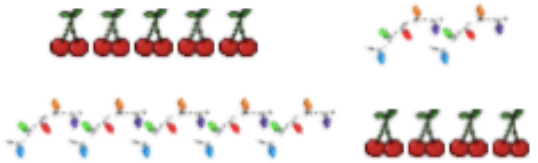

# If you want a challenge..

1 Complete the table.

| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | | | There are ____ groups of ____ which is equivalent to ____. |
| | | | There are 3 groups of 10 which is equivalent to 30. |
|  | | | There are ____ groups of ____ which is equivalent to ____. |
| | 2 + 2 + 2 + 2 | | There are ____ groups of ____ which is equivalent to ____. |
|  | | | There are ____ groups of ____ which is equivalent to ____. |
| | | | There are 4 groups of 5 which is equivalent to 20. |
| | | 40 / 10 10 10 10 | There are ____ groups of ____ which is equivalent to ____. |
|  | | | There are ____ groups of ____ which is equivalent to ____. |
| | | 25 / 5 5 5 5 5 | There are ____ groups of ____ which is equivalent to ____. |

Match the bar model to the correct picture.
Circle the picture.

| 10 | | | | |
|---|---|---|---|---|
| 2 | 2 | 2 | 2 | 2 |



Use < or > to compare the repeated additions.

| | | |
|---|---|---|
| 5 + 5 | | 2 + 2 + 2 + 2 |
| 10 + 10 + 10 | | 5 + 5 + 5 + 5 + 5 |
| 2 + 2 + 2 + 2 | | 5 + 5 + 5 |
| 10 + 10 | | 5 + 5 + 5 + 5 + 5 |
| 5 + 5 + 5 | | 10 + 10 |

The repeated addition below is equal to the bar model.

10 + 10 + 10 =

| 40 | | | |
|---|---|---|---|
| 10 | 10 | 10 | 10 |

True or false?

Explain your answer.

Create a story for the picture below that includes the total

# Independent Reasoning Task 1

I have nine groups of 2.

Whiskers

I have 2 groups of 10.

George

Who has the most?
Explain how you know.


# Challenge Reasoning Task

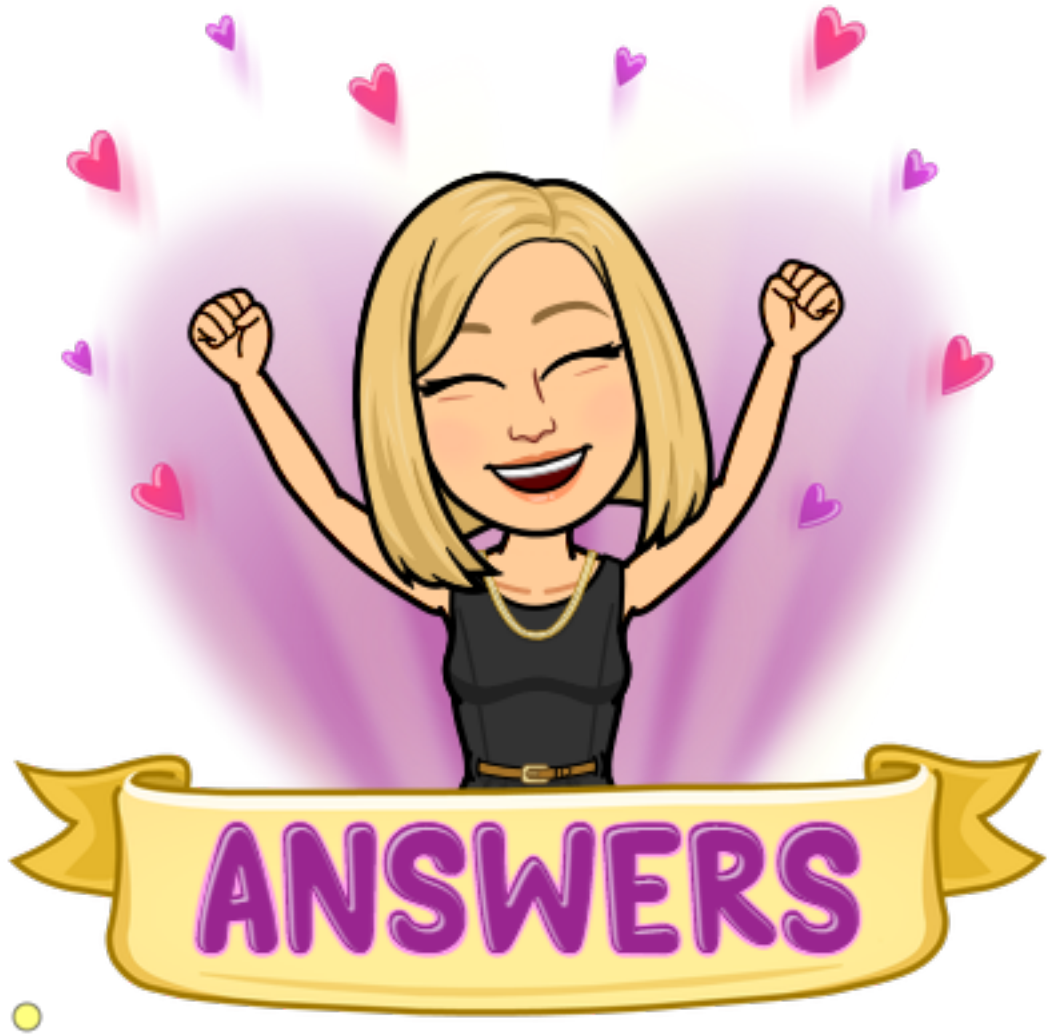
True or False?

3 groups of 2 is the same as 2 groups of 3.

6 + 6 + 6 = 12

Explain your answers


Great Job!!


ANSWERS

# Fluency Revision

Solve these calculations

43 + 35 = 78

77 – 5 3 = 24

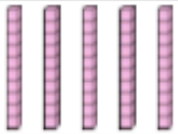
14 + 36 = 50

28 + 15 = 43

95- 49 = 56

Niamh has 39p in her coat pocket and 48p in her purse. How much does she have altogether? 39p + 48p = 87p

1 Complete the table.

| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | 2 + 2 + 2 | 6 \| 2 \| 2 \| 2 | There are 3 groups of 2 which is equivalent to 6. |
| Any picture representation that matches the row. | 10 + 10 + 10 | 30 \| 10 \| 10 \| 10 | There are 3 groups of 10 which is equivalent to 30. |
|  | 5 + 5 + 5 | 15 \| 5 \| 5 \| 5 | There are 3 groups of 5 which is equivalent to 15. |
| Any picture representation that matches the row. | 2 + 2 + 2 + 2 | 8 \| 2 \| 2 \| 2 \| 2 | There are 4 groups of 2 which is equivalent to 8. |
|  | 10 + 10 + 10 + 10 + 10 | 50 \| 10 \| 10 \| 10 \| 10 \| 10 | There are 5 groups of 10 which is equivalent to 50. |
| Any picture representation that matches the row. | 5 + 5 + 5 + 5 | 20 \| 5 \| 5 \| 5 \| 5 | There are 4 groups of 5 which is equivalent to 20. |
|  | 10 + 10 + 10 + 10 | 40 \| 10 \| 10 \| 10 \| 10 | There are 4 groups of 10 which is equivalent to 40. |
|  | 2 + 2 + 2 + 2 + 2 | 10 \| 2 \| 2 \| 2 \| 2 \| 2 | There are 5 groups of 2 which is equivalent to 10. |
| Any picture representation that matches the row. | 5 + 5 + 5 + 5 + 5 | 25 \| 5 \| 5 \| 5 \| 5 \| 5 | There are 5 groups of 5 which is equivalent to 25. |



1 Complete the stem sentences. Check your answers using a number line.

a How many ice-cream scoops altogether?

2 + 2 + 2 + 2 + 2 = 10

There are 5 groups of 2 ice-cream scoops which is equivalent to 10.

b How many single cherries altogether?

2 + 2 + 2 + 2 = 8

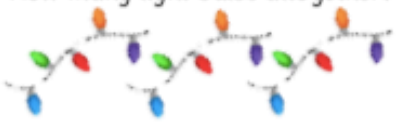
There are 4 groups of 2 cherries which is equivalent to 8.

c How many petals altogether?

5 + 5 + 5 + 5 = 20

There are 4 groups of 5 petals which is equivalent to 20.

d How many light bulbs altogether?



5 + 5 + 5 = 15

There are 3 groups of 5 light bulbs which is equivalent to 15.

e How many fish altogether?

10 + 10 + 10 = 30

There are 3 groups of 10 fish which is equivalent to 30.

f How many apples altogether?

10 + 10 + 10 + 10 + 10 = 50

There are 5 groups of 10 apples which is equivalent to 50.

g How many pencils altogether?

10 + 10 + 10 + 10 = 40

There are 4 groups of 10 pencils which is equivalent to 40.

1 Complete the stem sentences. Check your answers using a number line.

a How many single cherries altogether?

2 + 2 + 2 + 2 + 2 = 10

There are 5 groups of 2 cherries which is equivalent to 10.

b How many doughnuts altogether?

2 + 2 = 4

There are 2 groups of 2 doughnuts which is equivalent to 4.

c How many ice-cream scoops altogether?

2 + 2 + 2 + 2 = 8

There are 4 groups of 2 ice-cream scoops which is equivalent to 8.

d How many cookies altogether?

2 + 2 + 2 = 6

There are 3 groups of 2 cookies which is equivalent to 6.

e How many apples altogether?

10 + 10 + 10 + 10 = 40

There are 4 groups of 10 apples which is equivalent to 40.

f How many pencils altogether?

10 + 10 = 20

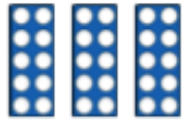
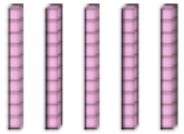
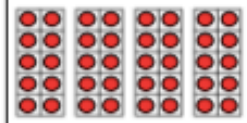
There are 2 groups of 10 pencils which is equivalent to 20.

g How many marbles altogether?

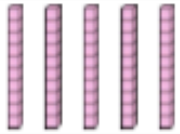
10 + 10 + 10 = 30

There are 3 groups of 10 marbles which is equivalent to 30.

1 Complete the table.

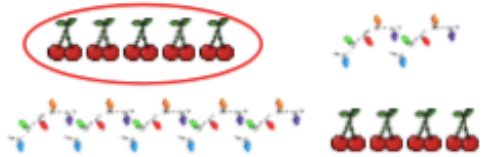
| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | 2 + 2 + 2 | 6 \| 2 \| 2 \| 2 | There are 3 groups of 2 which is equivalent to 6. |
|  | 10 + 10 + 10 | 30 \| 10 \| 10 \| 10 | There are 3 groups of 10 which is equivalent to 30. |
|  | 2 + 2 + 2 + 2 | 8 \| 2 \| 2 \| 2 \| 2 | There are 4 groups of 2 which is equivalent to 8. |
|  | 10 + 10 + 10 + 10 + 10 | 50 \| 10 \| 10 \| 10 \| 10 \| 10 | There are 5 groups of 10 which is equivalent to 50. |
|  | 2 + 2 | 4 \| 2 \| 2 | There are 2 groups of 2 which is equivalent to 4. |
|  | 10 + 10 + 10 + 10 | 40 \| 10 \| 10 \| 10 \| 10 | There are 4 groups of 10 which is equivalent to 40. |
|  | 2 + 2 + 2 + 2 + 2 | 10 \| 2 \| 2 \| 2 \| 2 \| 2 | There are 5 groups of 2 which is equivalent to 10. |
| Any picture representation that matches the row. | 10 + 10 | 20 \| 10 \| 10 | There are 2 groups of 10 which is equivalent to 20. |

1 Complete the table.

| Picture | Repeated addition | Bar model | Sentence |
|---|---|---|---|
|  | 2 + 2 + 2 | 6 \| 2 \| 2 \| 2 | There are 3 groups of 2 which is equivalent to 6. |
| Any picture representation that matches the row. | 10 + 10 + 10 | 30 \| 10 \| 10 \| 10 | There are 3 groups of 10 which is equivalent to 30. |
|  | 5 + 5 + 5 | 15 \| 5 \| 5 \| 5 | There are 3 groups of 5 which is equivalent to 15. |
| Any picture representation that matches the row. | 2 + 2 + 2 + 2 | 8 \| 2 \| 2 \| 2 \| 2 | There are 4 groups of 2 which is equivalent to 8. |
|  | 10 + 10 + 10 + 10 + 10 | 50 \| 10 \| 10 \| 10 \| 10 \| 10 | There are 5 groups of 10 which is equivalent to 50. |
| Any picture representation that matches the row. | 5 + 5 + 5 + 5 | 20 \| 5 \| 5 \| 5 \| 5 | There are 4 groups of 5 which is equivalent to 20. |
| Any picture representation that matches the row. | 10 + 10 + 10 + 10 | 40 \| 10 \| 10 \| 10 \| 10 | There are 4 groups of 10 which is equivalent to 40. |
|  | 2 + 2 + 2 + 2 + 2 | 10 \| 2 \| 2 \| 2 \| 2 \| 2 | There are 5 groups of 2 which is equivalent to 10. |
| Any picture representation that matches the row. | 5 + 5 + 5 + 5 + 5 | 25 \| 5 \| 5 \| 5 \| 5 \| 5 | There are 5 groups of 5 which is equivalent to 25. |

Match the bar model to the correct picture.
Circle the picture.

| 10 | | | | |
|---|---|---|---|---|
| 2 | 2 | 2 | 2 | 2 |



Use < or > to compare the repeated additions

5 + 5 > 2 + 2 + 2 + 2

10 + 10 + 10 > 5 + 5 + 5 + 5 + 5

2 + 2 + 2 + 2 < 5 + 5 + 5

10 + 10 < 5 + 5 + 5 + 5 + 5

5 + 5 + 5 < 10 + 10

The repeated addition below is equal to the bar model.

10 + 10 + 10 = | 40 | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 |

True or false?
Explain your answer.

False, the addition sum shows three lots of 10 which equals 30. The bar model shows four lots of 10 that equals 40.

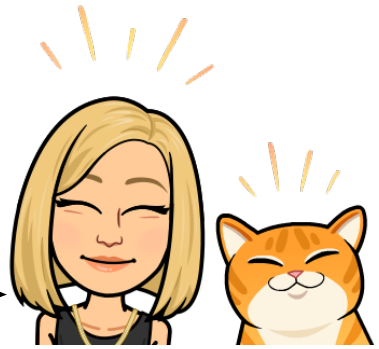

Children will create their own story.
For example,
Asha bought 5 bunches of 5 bananas from the shop. She has 25 bananas in total.

# Answer

I have nine groups of 2.

Whiskers

I have 2 groups of 10.



George

George has the most. 2 groups of 10 = 20.
Whiskers has 9 groups of 2 = 18.

**3 groups of 2 is the same as 2 groups of 3.**

- True
- 2 + 2 + 2 = 3 + 3
-

**6 + 6 + 6 = 12**

False

6 + 6 + 6 = 18 not 12