# Maths Year 5

It is not necessary to print off this document for your child's distance learning.

WEEK COMMENCING

06.07.20

Click here for 'catch up' day suggestions

# Your schedule for the week:

| Group | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|---|
| A | English: LIVE LESSON<br>CGP Grammar p. 18, 13, 14, 15 (after lesson) | English:<br>CGP Grammar p. 16, 17, 19, 20 | English:<br>CGP Writing p. 18, 19, 20 | English:<br>Writing a newspaper article | Catch up day:<br>English – VIPERS<br>Bug Club, Discovery, Votes for Schools, music, |
| | Maths:<br>CGP Maths p8-9<br>Watch video<br>Additional Q on PPT | Maths:<br>CGP Maths p10-11<br>Watch video<br>Additional Q on PPT | Maths Live Lesson! | Maths:<br>CGP Maths p22-23<br>Draw bar models to help you solve! | |
| B | Catch up day:<br>English – VIPERS<br>Bug Club, Discovery, Votes for Schools, music, | English: LIVE LESSON<br>CGP Grammar p. 18, 13, 14, 15 (after lesson) | English:<br>CGP Grammar p. 16, 17, 19, 20 | English:<br>CGP Writing p. 18, 19, 20 | English:<br>Writing a newspaper article |
| | | Maths:<br>CGP Maths p8-9<br>Watch video<br>Additional Q on PPT | Maths:<br>CGP Maths p10-11<br>Watch video<br>Additional Q on PPT | Maths Live Lesson! | Maths:<br>CGP Maths p22-23<br>Draw bar models to help you solve! |

# Day 1

Today you will be using multiplication to solve problems

Group A – Monday
Group B - Tuesday

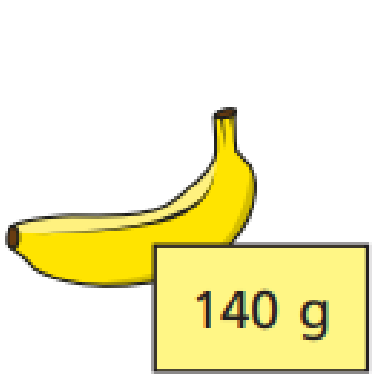
- Complete **CGP Maths book pages 8 and 9**
- Click here to watch a video, explaining using the bar model to solve multiplication problems
- Complete the questions on the next few pages

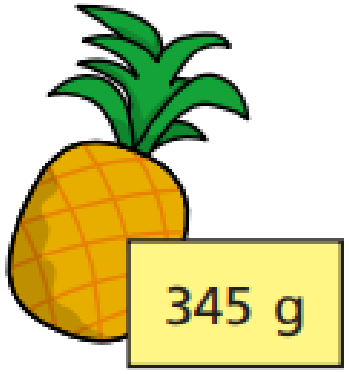
# Word problems (draw a bar model then solve)

Group A – Monday
Group B - Tuesday

1. There are 7 year groups in a school. There are 112 children in each year group. How many children are there in the whole school?

2. A banana weighs 140 g A pineapple weighs 345 g Bag A contains 8 bananas and bag B contains 3 pineapples. Which bag weighs more and by how much?



# Word problems (draw a bar model then solve)

Group A – Monday
Group B - Tuesday

3. A lorry driver travels 156 km per day. How many kilometres will the lorry driver have travelled after 3 days?

4. Alice exercises for 25 minutes a day. How long does she exercise for in a week? Give you answer in hours and minutes.

# Day 2

Today you will be using division to solve problems

Group A – Tuesday
Group B - Wednesday

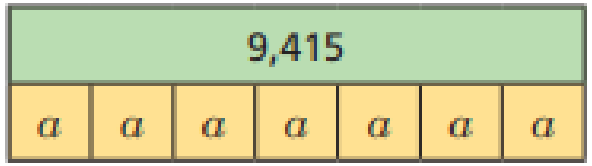
- Complete **CGP Maths book pages 10 and 11**
- Click here to watch a video about using a bar model to solve division problems
- Complete the questions on the next few pages

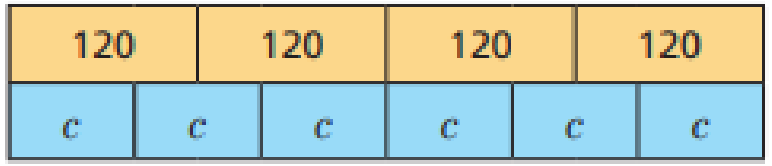
# Word problems (draw a bar model then solve)

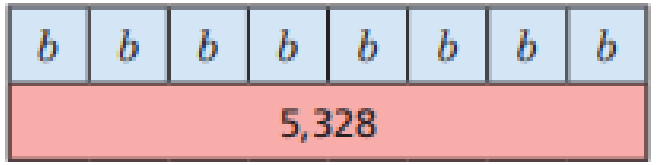
Group A – Tuesday
Group B - Wednesday

1. Rebecca has a new book that is 133 pages long. How many pages should she read per day so that she can finish it in a week?

2. Work out the values of $a$, $b$ and $c$.



# Word problems (draw a bar model then solve)

Group A – Tuesday
Group B - Wednesday

3. Three classes in Year 5 raise £741 in an enterprise project and they share the money equally. How much does each class receive?

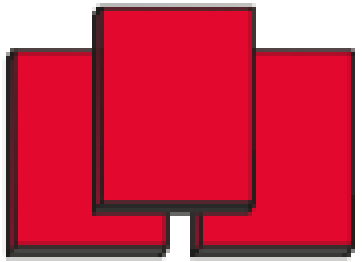
4. Emily baked 216 cupcakes for a charity event. She placed them in 9 boxes. How many cupcakes were in each box?

# Word problems (draw a bar model then solve)

Group A – Tuesday
Group B - Wednesday

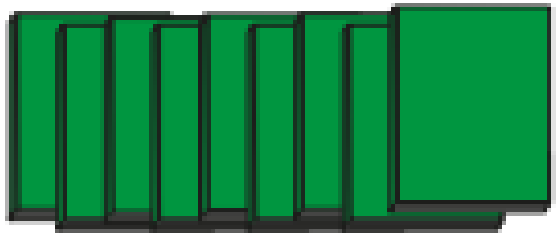
5. Books are available to buy in three different deals.

**Deal A**



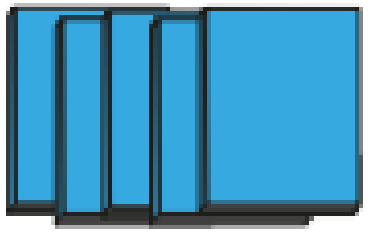
£12.99

**Deal B**



£38.16

**Deal C**



£25.60

Which is the best deal?

Group A – Wednesday
Group B – Thursday

# Day 3

Today is your LIVE LESSON!
See you at 10am, 11am or 1pm!

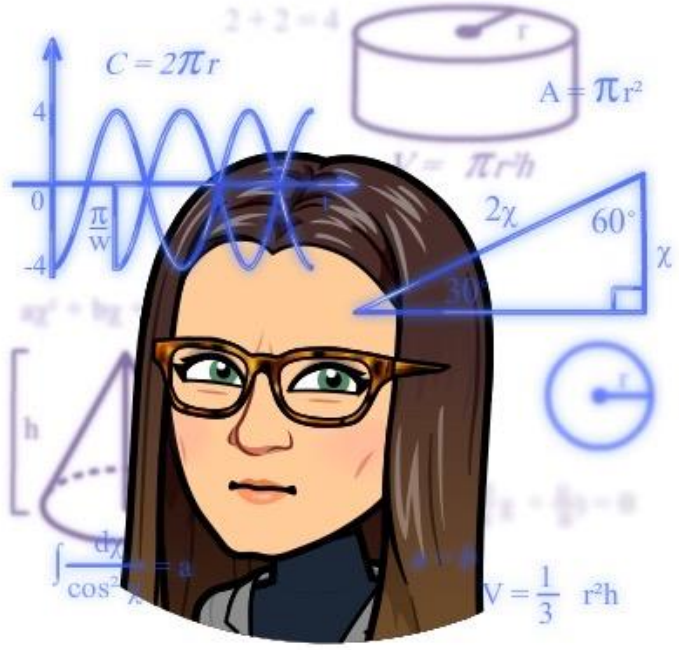
# Welcome to your maths live lesson!

You will need:

- ✓ A pencil & paper/distance learning book
- ✓ CGP maths book

# Session outline

- Warm up
- Bar model division (review)
- Problem-solving using the bar model



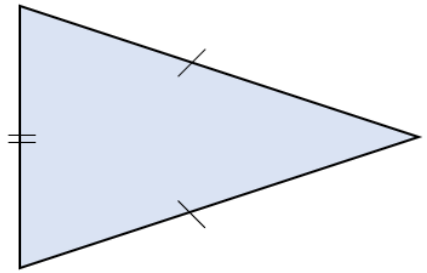
CVPS

# Flashback 4

Year 5 | Week 1 | Day 2

Jot down your answers in your distance learning book or on paper

1) Add together 0.3 and 0.5



2) Write $\frac{68}{200}$ as a percentage.

3) Round 6.43 to the nearest tenth.

4) What number is 5 less than 2?

White Rose Maths

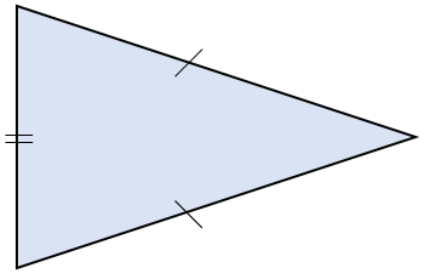
CVPS

# Flashback 4

Year 5 | Week 1 | Day 2

How did you score?
What do you need to keep practising?

1) Add together 0.3 and 0.5 0.8



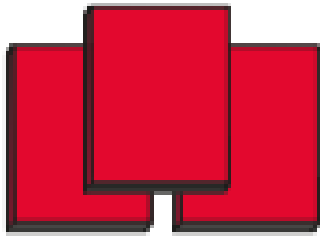
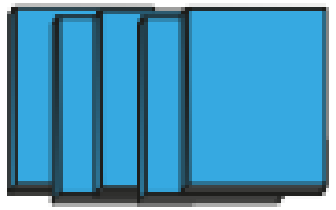
2) Write $\frac{68}{200}$ as a percentage. 34%

3) Round 6.43 to the nearest tenth. 6.4

4) What number is 5 less than 2? -3

White Rose Maths

Books are available to buy in three different deals.

| Deal A | Deal B | Deal C |
|---|---|---|
|  | |  |
| £12.99 | £38.16 | £25.60 |

Which is the best deal?

| | | |
|---|---|---|
| £4.33 | £4.33 | £4.33 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| £4.24 | £4.24 | £4.24 | £4.24 | £4.24 | £4.24 | £4.24 | £4.24 | £4.24 |

| | | | | |
|---|---|---|---|---|
| £5.12 | £5.12 | £5.12 | £5.12 | £5.12 |

Answer on the next page

$\frac{2}{3}$ of the children at a magic show were girls. There were 8 boys. How many girls attended the magic show?

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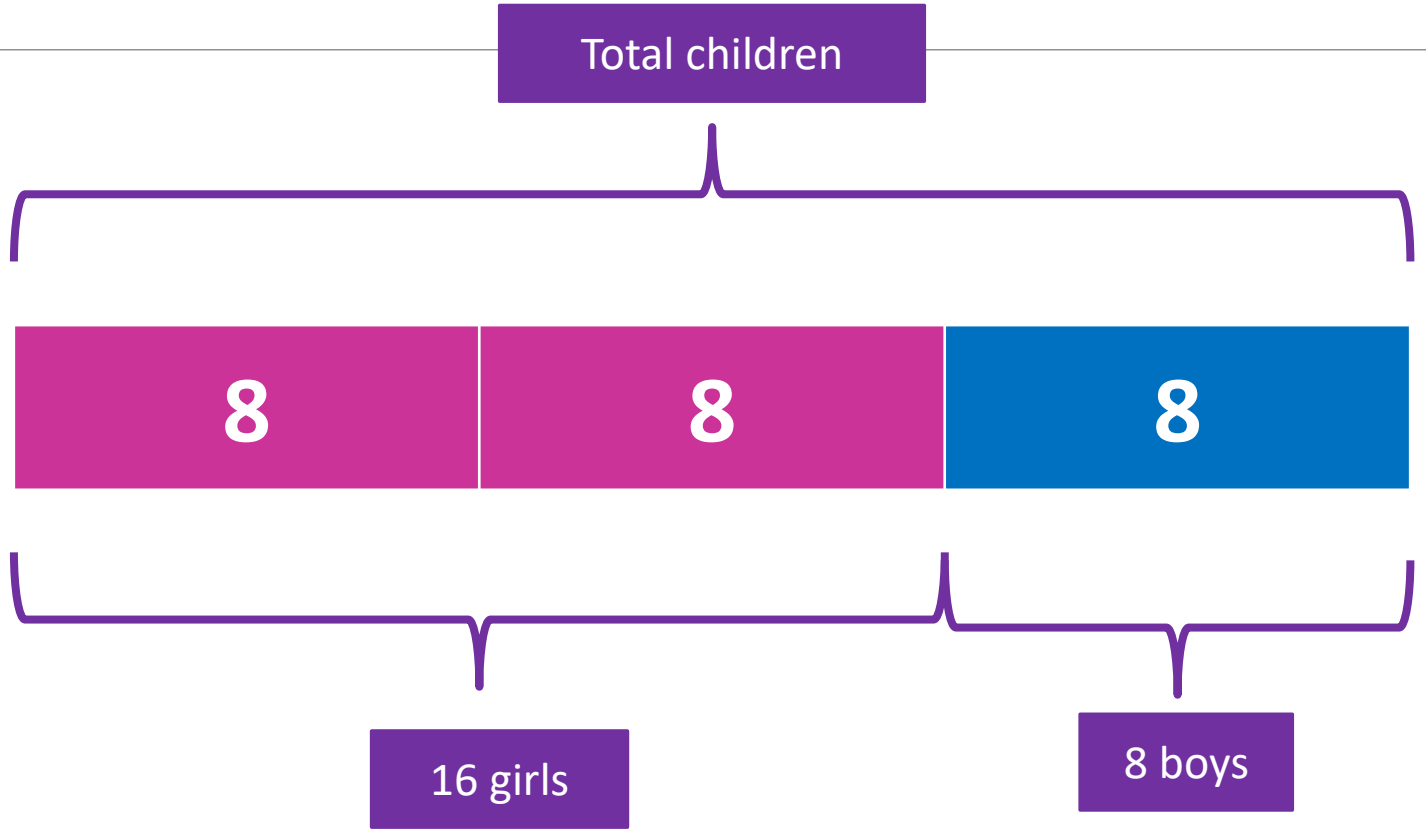

CVPS

Answer on the next page

David put some money in his pocket and went shopping. He spent $\frac{2}{3}$ of his money on a t-shirt and had £9 remaining. How much money did the t-shirt cost?

CVPS

Your turn!

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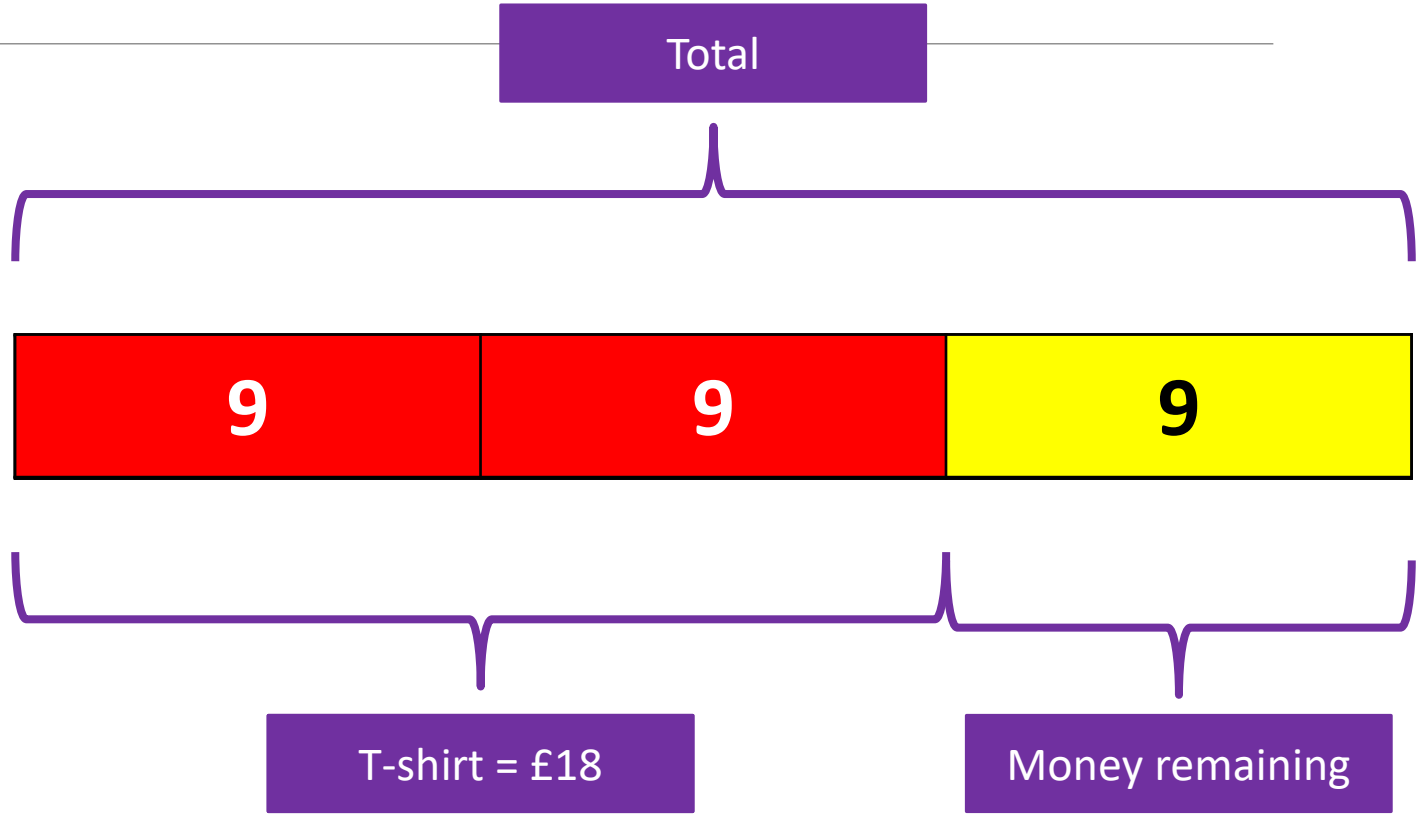
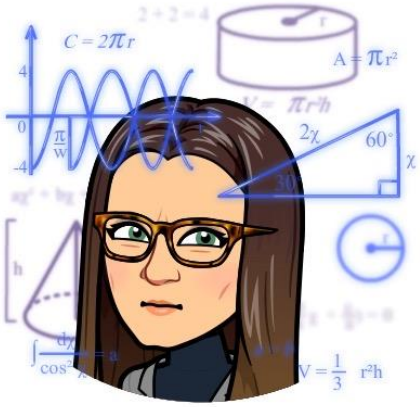
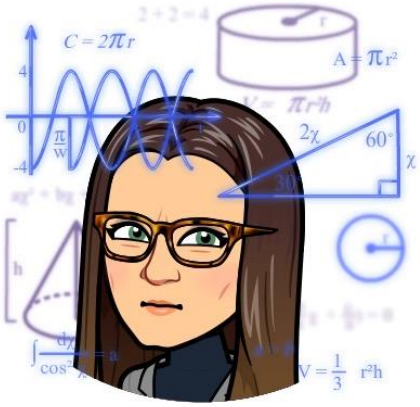


Answer on the next page



$\frac{5}{11}$ of the children at the karate club were boys. There were 60 girls. How many boys attended the club?

Your turn!



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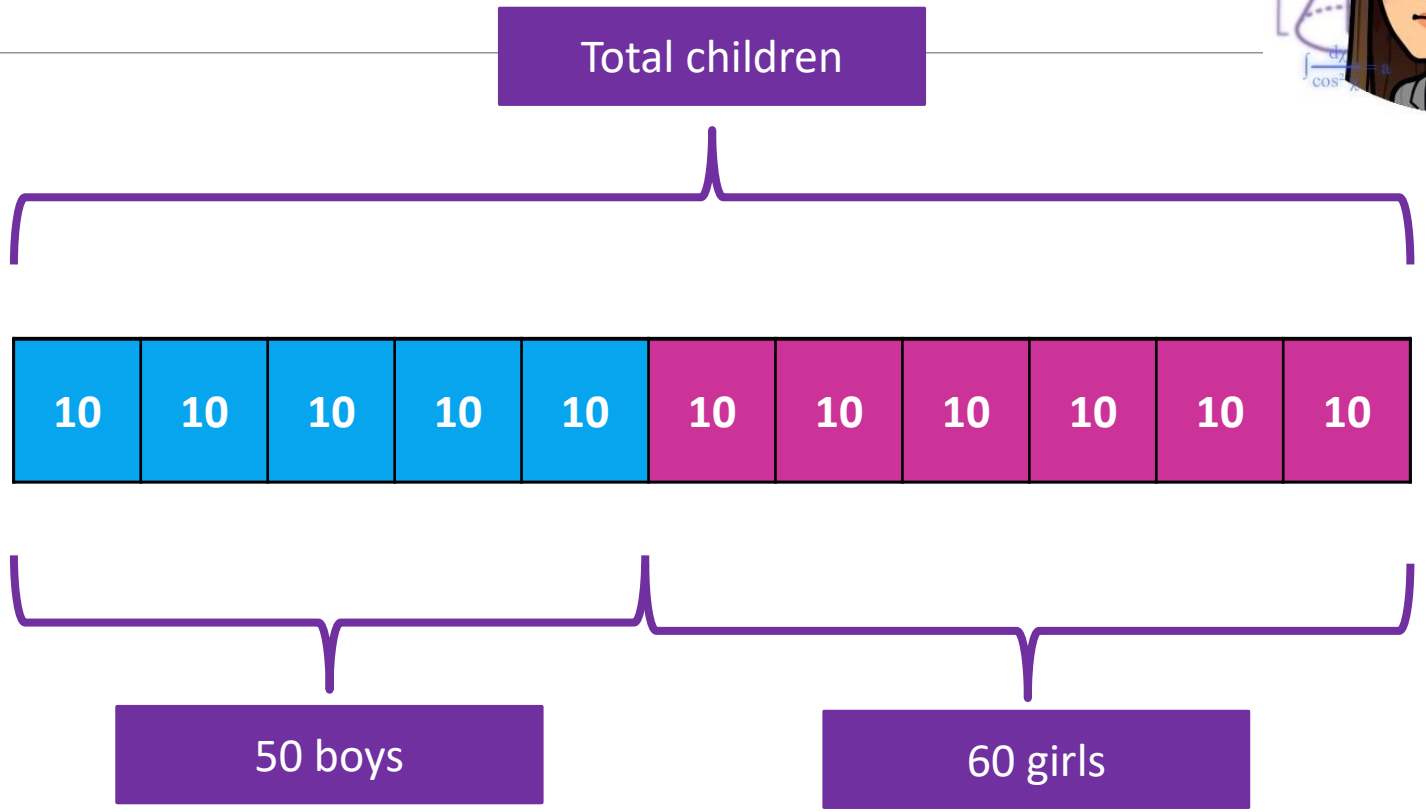

Answer on the next page

Rob and Sally share a bottle of lemonade. Rob drinks $\frac{1}{5}$ of the bottle and Sally drinks 30%. How much lemonade did they drink? Give your answer as a percentage.

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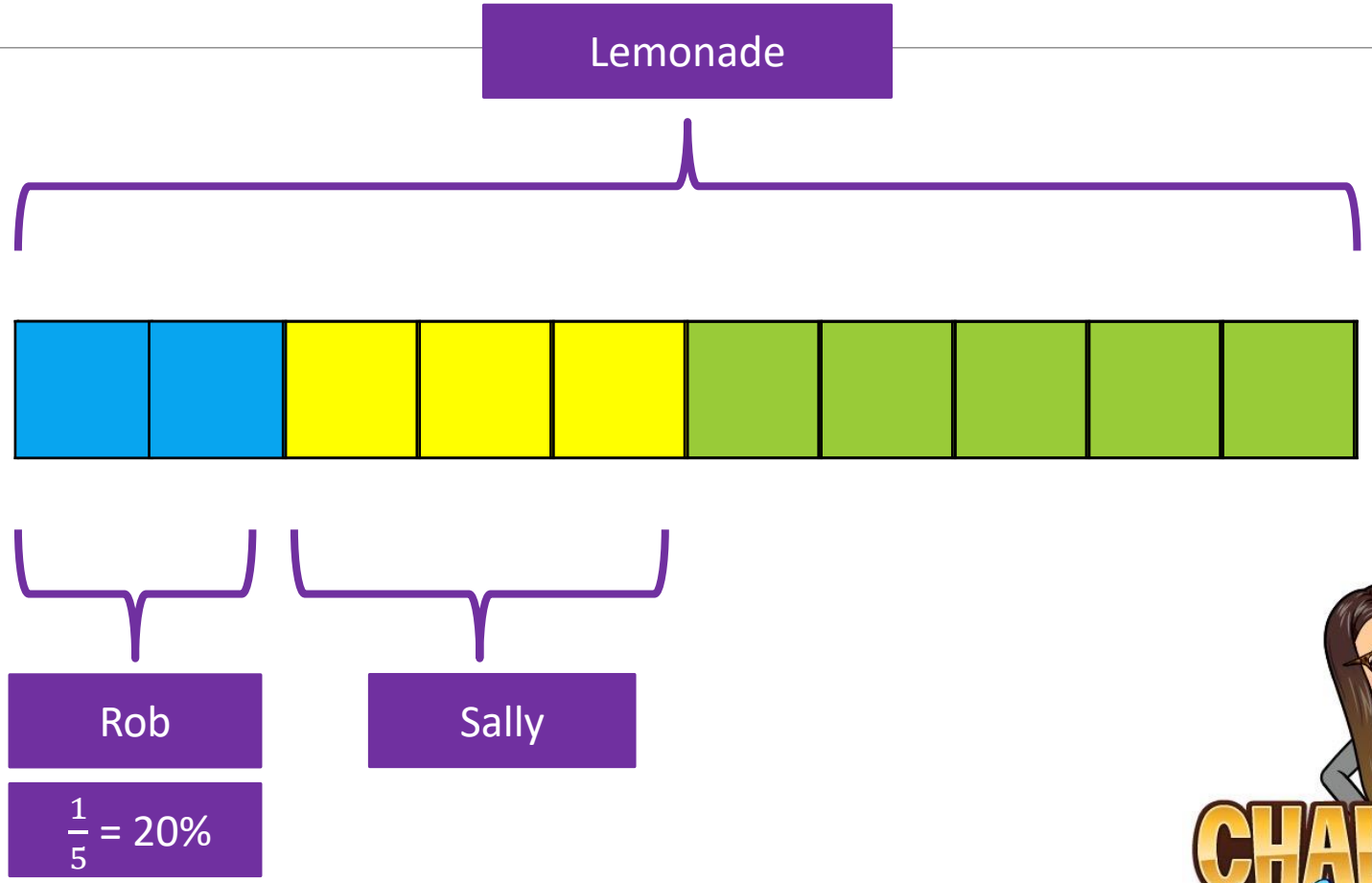


# Day 3

Independent Tasks!
Draw a bar model and solve these questions!

Group A – Wednesday
Group B – Thursday

Katherine and Felix are sharing a pizza. Katherine cuts the pizza in to 10 slices. She takes 4. Felix wants 50% of the whole pizza. How many slices are left?

Rebecca and Jason share a pizza. Rebecca eats drinks $\frac{2}{5}$ of the pizza and Jason eats 50%. How much pizza is left? Give your answer as a percentage.

# Day 3

Independent Tasks!
Draw a bar model and solve these questions!

Group A – Wednesday
Group B – Thursday

Oscar has a bag of marbles. He gives 30% to his sister and keeps the rest. His sister received 18 marbles. How many does Oscar have?

Frances is checking her craft supplies. There are 60 beads in the bag. The beads are red, yellow or blue. 40% of the beads are blue. 5 12 of the beads are red. How many beads are yellow?

Group A – Thursday
Group B - Friday

# Day 4

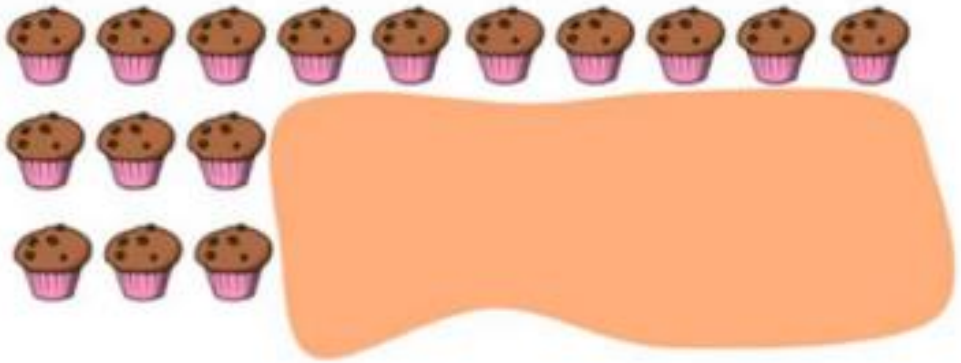
- Complete **CGP Maths book pages 22 and 23**
- Use a bar model to draw out the word problems in your distance learning book.
- Complete the additional challenge questions on the next page
- Well done for all your hard work this week!

# Additional Challenges

Group A – Thursday
Group B - Friday

## Challenge 1

30 cakes are arranged in an **array**. Some of the cakes are hidden.



How many cakes are hidden?

## Challenge 2

Work out the missing numbers.

10 × 2 = 5 × ●

10 + 2 = 5 + ▲

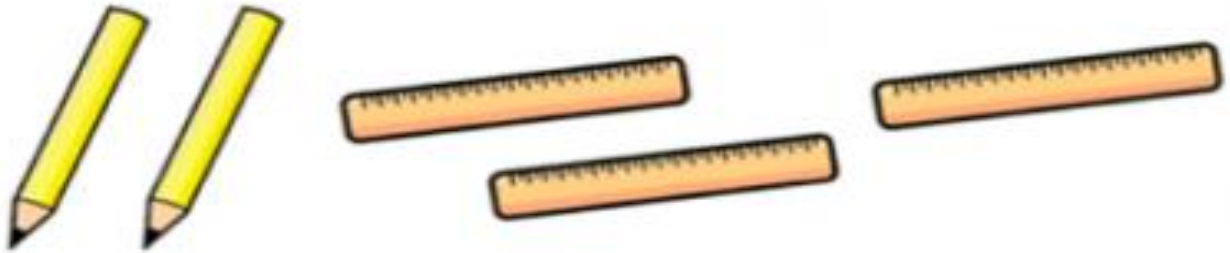
10 ÷ 2 = 5 ÷ ■

10 − 2 = ♥ − 5

Group A – Thursday
Group B - Friday

## Challenge 3

Sonny buys 2 pencils and 3 rulers.



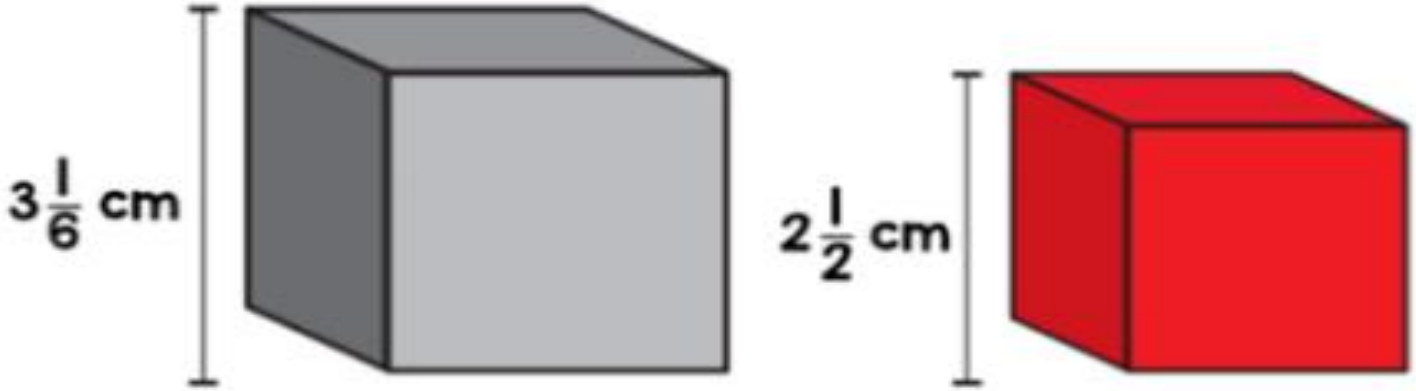
Each pencil costs 69p.

Sonny pays with a £5 note and receives £1.07 change.

How much does a ruler cost?

# Challenge 4

Group A – Thursday
Group B - Friday




Jack builds a tower using grey blocks.

Alex builds a tower using red blocks.

The towers are exactly the same height.

What is the minimum number of blocks they each use?

CVPS

Group A – Friday
Group B - Monday

# Catch-up Day!

- If you have not finished any of the maths activities this week, use your time today to catch up.
- If you have finished, use this extra time to work on:

  - Discovery
  - Votes for Schools
  - YUMU Charanga unit (music)