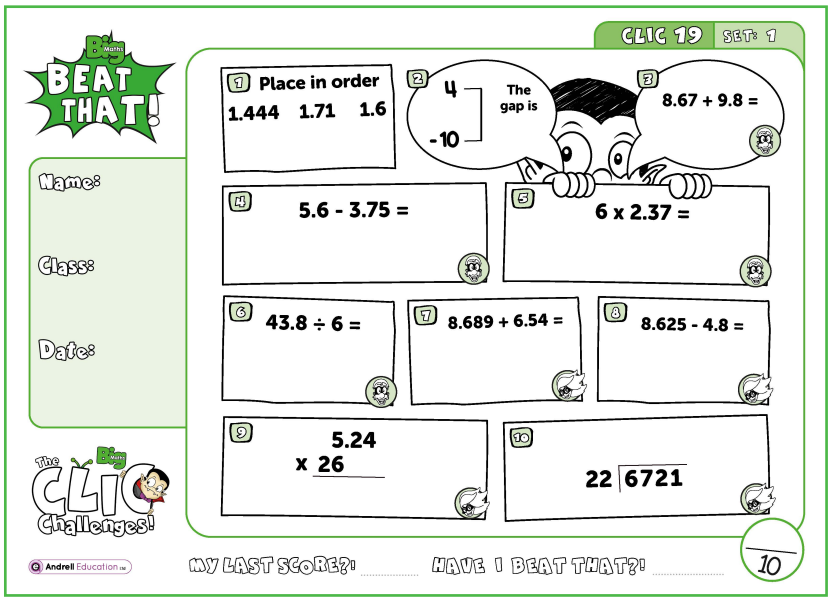
Big Maths

A Guide for Home Learning

CLIC 19

Introduction - CLIC 19

In school, each week, children complete a CLIC challenge. The answers that they provide tell their teacher what skils they understand and allow teachers to focus on teaching the skills that they don't (as well as new skills that will be taught). If your child completes their challenges online at school, you may have been sent a link to log on at home. This pupil log on only allows children to complete one challenge a week. We are currently building a new pupil area, which will help with home learning.



This guide provides you with a copy of a CLIC challenge, a description of the skill each question is challenging and some sample resources for each question to help with home learning. (A description of each of these resources is on the next page.) The key is to keep it fun, no pressure and limit the time to less than 20 minutes a day, unless your child wants to carry on!

Please seek and follow advice from your child's teacher and school!

What skill does each question challenge?

Question 1
I can understand numbers with different decimal places

Question 2
I can find the gap between a negative number and a positive number

Question 3
I can solve any 2 decimal place + 1 decimal place

Question 4
I can subtract numbers with different decimal places

Question 5
I can solve 1 digit x 1 digit with 2 decimal places

Question 6
I combine 2 or more table facts to solve decimal division

Question 7
I can add numbers with mixed amounts of decimal places

Question 8
I can subtract numbers with mixed amounts of decimal places

Question 9
I can solve any 1 digit with 2 decimal places x 2 digit

Question 10
I can solve division with decimal places in the answer

Remember To's

Every step of learning (skill) in Big Maths has 'Remember to...'s. These are simple reminders for children to 'Remember to' do this, this, etc...

In Big Maths, we have divided complicated skills into small steps, provided 'Remember to...'s and examples to keep it simple for children.

A Progress Drive is a collection of skill steps that progress a child's learning to the point of mastering the larger objective.

Repeat Sheets

Repeat sheets contain a number of questions (usually 10) that you can use for repeat practice of a particular step. Please feel free to create your own repeat questions to avoid children simply memorising the questions and answers.

Revisit Sheets

Revisit sheets contain a number of questions (usually 10) that you can use which include a unit of measure applied to the numbers (It's Nothing New!) of a particular step. Please feel free to create your own revisit questions to avoid children simply memorising the questions and answers.

Real Life Maths Sheets

Real Life Maths sheets contain a number of questions (usually 5) where the questions have been placed into worded scenarios for a particular step, increasing the complexity and challenge further. Please feel free to create your own real life maths questions to avoid children simply memorising the questions and answers.

Select Sheets

Select sheets contain a number of worded questions (usually 5) which no longer automatically relate to the step we are on. These increase the complexity and challenge further still. Please feel free to create your own select questions to avoid children
simply memorising the questions and answers.

CLIC 19

The following CLIC challenge is an example for you to use to practice at home. We have included the answer sheet as well. Please feel free to create your own additional questions by changing the numbers for any that your child gets wrong. In this pack, there is additional advice for each question, with resources that can help with home learning. It is important that you use the correct challenge level as provided by your teacher.

Big Maths BEAT THAT!

Name:

Class:

Date:

1 Place in order

1.444 1.71 1.6

2

4

-10

The gap is

3 8.67 + 9.8 =

4 5.6 - 3.75 =

5 6 x 2.37 =

6 43.8 ÷ 6 =

7 8.689 + 6.54 =

8 8.625 - 4.8 =

9

5.24

x 26

10 22 | 6721

The Big Maths CLIC Challenges!

Andrell Education Ltd

MY LAST SCORE?! ..... HAVE I BEAT THAT?! .....

10

Big Maths BEAT THAT!

Name:

Class:

Date:

1 Place in order

1.444 1.71 1.6

1.444 1.6 1.71

2

4

-10

The gap is 14

3 8.67 + 9.8 =

18.47

4 5.6 - 3.75 =

1.85

5 6 x 2.37 =

14.22

6 43.8 ÷ 6 =

7.3

7 8.689 + 6.54 =

15.229

8 8.625 - 4.8 =

3.825

9

5.24
x 26
136.24

10

305.5
22 | 6721

The Big Maths CLIC Challenges!

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....

10

Question Practice Resources

Question 1 - I can understand numbers with different decimal places

Remember to:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit
- then, if they have the same tenths digit, order by the hundredths digit
- then, if they have the same hundredths digit, order by the thousandths digit

Big Maths Repeat Questions

Step 10

Mastery of Numbers

I can understand numbers with different decimal places

Remember To:

1. $1.345 > 1.34$
2. $9.1 < 9.235$
3. $6.8 > 7.54$
4. $1.21 < 1.229$
5. $9.675 > 9.64$
6. $2.2 > 3.23$
7. $4.9 < 9.41$
8. $3.11 < 1.334$
9. $6.4 > 6.398$
10. $9.4 < 9.411$

Repeat Answers

Step 10

Mastery of Numbers

I can understand numbers with different decimal places

Remember To:

1. true
2. true
3. false
4. true
5. true
6. false
7. true
8. false
9. true
10. true

Big Maths Revisit Questions

Step 10 Mastery of Numbers

I can understand numbers with different decimal places

Remember To:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit
- then, if they have the same tenths digit, order by the hundredths digit
- then, if they have the same hundredths digit, order by the thousandths digit

1. **1.345m > 1.34m**
2. **9.1cm < 9.235cm**
3. **6.8km > 7.54km**
4. **1.21g < 1.229g**
5. **9.675mg > 9.64mg**
6. **2.2L > 3.23L**
7. **4.9ml < 9.41ml**
8. **3.11s < 1.334s**
9. **6.4mm > 6.398mm**
10. **9.4kg < 9.411kg**

Big Maths Revisit Answers

Step 10 Mastery of Numbers

I can understand numbers with different decimal places

Remember To:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit
- then, if they have the same tenths digit, order by the hundredths digit
- then, if they have the same hundredths digit, order by the thousandths digit

1 **true**

2 **true**

3 **false**

4 **true**

5 **true**

6 **false**

7 **true**

8 **false**

9 **true**

10 **true**

Question Practice Resources

Question 2 - I can find the gap between a negative number and a positive number

All Steps

Counting Along

All Steps

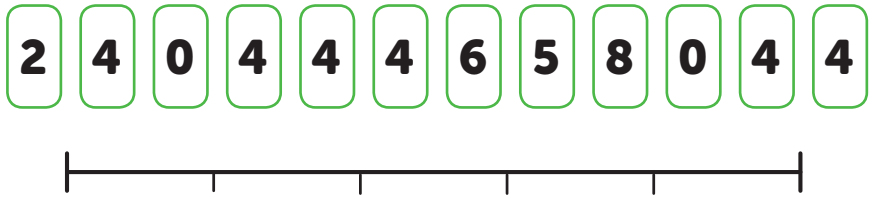
Repeat! Repeat! Repeat! → Revisit! Revisit! Revisit! → Real Life Maths! → Select → Mastery

PIM VS POM

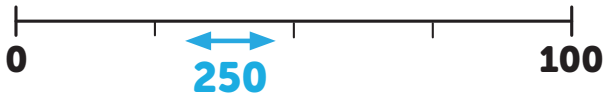
The 'Pim vs Pom' game is applicable to all the steps in the Counting Along Progress Drive, with the jumps and start and end points varied according to the context.

Steps 1 - 5

1. Can you find two numbers with a **gap of 3?**
2. Count along number lines with familiar number of divisions, but unexpected end values - e.g. 20 to 40 with 4 divisions.
3. Use all of these digit cards to label the values of the marked divisions on this number line;



4. Mark and **label 5 more** numbers that are not already shown on this number line.



Step 6

1. On a single number line **-20 to 20** draw the gaps between **-12 and -8**, **and 12 and 8**. What do you notice?
2. The gap between my **two numbers is 6**. They are both **negative**. What numbers could they be?

Step 7

1. Which number is the **same distance** from **-6 and 4?**
2. What number is **half way** between **12 and -2?**
3. One of my **numbers is 3. The other is 7 away**. What could the other number be?
4. In my office block, the entrance is on the Ground Floor. You can go **17 floors up** in the lift, and then there are **5 even higher floors** that you can only access using a staircase. There is also a basement below the ground floor. On the day when the lift is not working, is it quicker to walk from my desk on the **11th floor** to a cafe in the basement, or to the one on the top floor?

Question Practice Resources

Question 3 - I can I can solve any 2 decimal place + 1 decimal place

Remember to:

- line the numbers up in their columns
- add the units
- add the tenths
- add the hundredths
- add the totals

Repeat Questions

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line the numbers up in their columns
- add the units
- add the tenths
- add the hundredths
- add the totals

1. **3.64 + 6.4 =**
2. **7.90 + 5.9 =**
3. **7.94 + 3 =**
4. **5.99 + 9.4 =**
5. **6.98 + 5.6 =**
6. **4.45 + 5.2 =**
7. **4.28 + 9.8 =**
8. **6.03 + 4.1 =**
9. **8.17 + 7.2 =**
10. **9.73 + 4.1 =**

Repeat Answers

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line the numbers up in their columns
- add the units
- add the tenths
- add the hundredths
- add the totals

1. 3.64 + 6.4 = **10.04**
2. 7.90 + 5.9 = **13.8**
3. 7.94 + 3 = **10.94**
4. 5.99 + 9.4 = **15.39**
5. 6.98 + 5.6 = **12.58**
6. 4.45 + 5.2 = **9.65**
7. 4.28 + 9.8 = **14.08**
8. 6.03 + 4.1 = **10.13**
9. 8.17 + 7.2 = **15.37**
10. 9.73 + 4.1 = **13.83**

Big Maths Revisit Questions

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line the numbers up in their columns
- add the units
- add the tenths
- add the hundredths
- add the totals

1. **9.55m + 6.8m =**

2. **8.88cm + 7.5cm =**

3. **5.50kg + 3.7kg =**

4. **6.99s + 9.4s =**

5. **6.98L + 6.6L =**

6. **4.45ml + 5.2ml =**

7. **4.28mg + 9.8mg =**

8. **6.03g + 4.1g =**

9. **8.17s + 7.2s =**

10. **9.73km + 4.1km =**

Big Maths Revisit Answers

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line the numbers up in their columns
- add the units
- add the tenths
- add the hundredths
- add the totals

1. 9.55m + 6.8m = **16.35m**
2. 8.88cm + 7.5cm = **16.38cm**
3. 5.50kg + 3.7kg = **9.2kg**
4. 6.99ml + 9.4ml = **16.39ml**
5. 6.98L + 6.6L = **13.58L**
6. 4.45ml + 5.2ml = **9.65ml**
7. 4.28mg + 9.8mg = **14.08mg**
8. 6.03g + 4.1g = **10.13g**
9. 8.17s + 7.2s = **15.37s**
10. 9.73km + 4.1km = **13.83km**

Real Life Maths Questions

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember to:

- line the numbers up in their columns
- add the ones (units)
- add the tenths
- add the hundredths
- add the totals

1 **What is 6.8 add 9.43?**

2 **Pom bought sweets for £3.20 and apples for £9.95. How much did he spend?**

3 **Pim ran 9.7km. He had a rest. He ran another 6.55km. How far did he go in total?**

4 **Pim has 7.8L of water in a jug. He adds 6.45L more. How much liquid is in the jug?**

5 **Pim has 8.7g of sweets on the weighing scales. He adds 8.42g more. What is the weight on the scales?**

Real Life Maths Answers

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember to:

- line the numbers up in their columns
- add the ones (units)
- add the tenths
- add the hundredths
- add the totals

1 **What is 6.8 add 9.43?**

The answer is 16.23.

2 **Pom bought sweets for £3.20 and apples for £9.95. How much did he spend?**

He spent £13.15.

3 **Pim ran 9.7km. He had a rest. He ran another 6.55km. How far did he go in total?**

He went 16.25km in total.

4 **Pim has 7.8L of water in a jug. He adds 6.45L more. How much liquid is in the jug?**

There is 14.25L of liquid in the jug.

5 **Pim has 8.7g of sweets on the weighing scales. He adds 8.42g more. What is the weight on the scales?**

There is 17.12g on the scales.

Big Maths Select Questions

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line up the numbers in their columns
- add the ones
- add the tenths
- add the hundredths
- add the totals

1

James starts with a length of string six metres long and first cuts two pieces from it. One piece is 2.75m long and the other piece is 1.8m long. With the remaining piece of string he cuts as many lengths of 25cm each as is possible. How many 25cm lengths can he cut?

2

A bag of eight apples weighs 0.72kg.
Estimate the weight of a bag of twenty similar apples.

3

Which is the odd one out?

3.82kg + 4.8kg

9kg - 280g

20% of 43.6kg

4

If this number sequence was continued, what is the largest number less than ten in the sequence?

3.86 → 5.56 → 7.26 → ?

5

What number is represented by the letter m?

Select Answers

Step 41 — **Addition**

I can solve any 2dp + 1dp

Remember To:

- line up the numbers in their columns
- add the ones
- add the tenths
- add the hundredths
- add the totals

1

He can cut seven 25cm lengths.

2

1.8kg

3

3.82kg + 4.8kg

9kg - 280g

20% of 43.6kg

4

8.96

5

m = 1.73

Question Practice Resources

Question 4 - I can subtract numbers with different decimal places

Remember to:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

Repeat Questions

Step 37

Subtraction

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1. **7.81 - 7.7 =**

2. **2.1 - 1.19 =**

3. **3.86 - 1.8 =**

4. **3.44 - 1.2 =**

5. **4.9 - 3.26 =**

6. **7.2 - 4.99 =**

7. **7.9 - 5.88 =**

8. **2.19 - 2.1 =**

9. **5.6 - 4.21 =**

10. **4.32 - 2.97 =**

Repeat Answers

Step 37

Subtraction

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1. 7.81 - 7.7 = 0.11
2. 2.1 - 1.19 = 0.91
3. 3.86 - 1.8 = 2.06
4. 3.44 - 1.2 = 2.24
5. 4.9 - 3.26 = 1.64
6. 7.2 - 4.99 = 2.21
7. 7.9 - 5.88 = 2.02
8. 2.19 - 2.1 = 0.09
9. 5.6 - 4.21 = 1.39
10. 4.32 - 2.97 = 1.35

Big Maths Revisit Questions

Step 37 Subtraction

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1. **7.98m - 7.8m =**

2. **3.1cm - 1.19cm =**

3. **8.86km - 1.8km =**

4. **9.64g - 1.2g =**

5. **7.7mg - 3.26mg =**

6. **7.2L - 4.99L =**

7. **7.9ml - 5.88ml =**

8. **2.19s - 2.1s =**

9. **5.6mm - 4.21mm =**

10. **4.32kg - 2.97kg =**

Big Maths Revisit Answers

Step 37 — **Subtraction**

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1. 7.98m - 7.8m = **0.18m**
2. 3.1cm - 1.19cm = **1.91cm**
3. 8.86km - 1.8km = **7.06km**
4. 9.64g - 1.2g = **8.44g**
5. 7.7mg - 3.26mg = **4.44mg**
6. 7.2L - 4.99L = **2.21L**
7. 7.9ml - 5.88ml = **2.02ml**
8. 2.19s - 2.1s = **0.09s**
9. 5.6mm - 4.21mm = **1.39mm**
10. 4.32kg - 2.97kg = **1.35kg**

Real Life Maths Questions

Step 37 — **Subtraction**

I can subtract numbers with different decimal places

Remember to:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1 **Pom has 5.6 apples. He gave his friend 3.54 apples. How many apples does Pom have now?**

2 **Mully made a pile of 4.7 pizzas. He took away 2.18 pizzas from the pile. How many are in the pile now?**

3 **Speedy Col had to run 7.4km. So far she has run 4.64km. What is the total distance she has to go?**

4 **Pim puts 8.83g of sweets on the weighing scales. He took away 5.9g. What is the weight on the scales?**

5 **What is 9.69 take away 7.8?**

Real Life Maths Answers

Step 37 — **Subtraction**

I can subtract numbers with different decimal places

Remember to:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1 **Pom has 5.6 apples. He gave his friend 3.54 apples. How many apples does Pom have now?**

Pom now has 2.06 apples.

2 **Mully made a pile of 4.7 pizzas. He took away 2.18 pizzas from the pile. How many are in the pile now?**

There are 2.52 pizzas in the pile now.

3 **Speedy Col had to run 7.4km. So far she has run 4.64km. What is the total distance she has to go?**

She still has to go 2.76km

4 **Pim puts 8.83g of sweets on the weighing scales. He took away 5.9g. What is the weight on the scales?**

There is 2.93g on the scales.

5 **What is 9.69 take away 7.8?**

The answer is 1.89.

Big Maths Select Questions

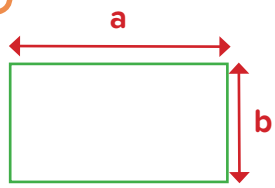
Step 37 — **Subtraction**

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1



Mary says that P = 2a + 2b where P is the perimeter of the rectangle. Beth says that the formula should be P = 2(a + b). Who is correct? Can you prove it?
If P = 16.8cm and a = 5.63cm, then what is the value of b?

2

What number is represented by each red rectangle?

3

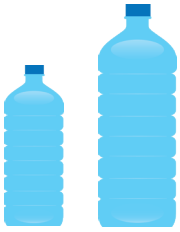
Which is the odd one out?

Double 0.325Kg

2.6Kg - 1.97Kg

15% of 4.2Kg

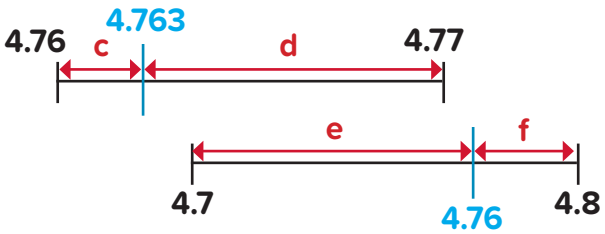
4



The large size bottled water has a capacity of 0.75L and the small size has a capacity of 0.333L. Robbie drinks one fifth of the water in the larger bottle. He says that there is still more water in the larger bottle than in the smaller bottle. Is he correct? If so, how much more?

5

By finding the values of c, d, e and f how do the two diagrams opposite help our understanding that 4.763 rounded to 2dp is 4.76 and to 1dp is 4.8?



Select Answers

Step 37 — **Subtraction**

I can subtract numbers with different decimal places

Remember To:

- draw out the 2 gaps on a number line
- jump to the next whole number
- jump from the next whole number
- add the 2 jumps

1

Mary and Beth are both correct as the formulas are the same.
The value of b is 2.77cm

2

The red rectangle represents 2.84

3

Double 0.325Kg

2.6Kg - 1.97Kg

15% of 4.2Kg

4

Robbie is correct as there would still be 0.6L left in the large bottle. This is 0.266L more than the amount of water in the small bottle.

5

It is clear from the diagram and values of c and d that 4.763 is closer to 4.76 than 4.77. It is clear from the diagram and the values of e and f that 4.76 is closer to 4.8 that 4.7.

Question Practice Resources

Question 5 - I can multiply whole numbers and decimals by 1000

Remember to:

- move the digits three places to the left
- remember that this makes the number 1000 times bigger

Repeat Questions

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

1. 5 x 2.12 =

2. 6 x 4.43 =

3. 7.38 x 6 =

4. 9 x 9.98 =

5. 4.23 x 6 =

6. 3 x 6.98 =

7. 5 x 6.34 =

8. 5.62 x 1 =

9. 8 x 6.46 =

10. 7 x 5.24 =

Repeat Answers

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

1. 5 x 2.12 = **10.60**
2. 6 x 4.43 = **26.58**
3. 7.38 x 6 = **44.28**
4. 9 x 9.98 = **89.82**
5. 4.23 x 6 = **25.38**
6. 3 x 6.98 = **20.94**
7. 5 x 6.34 = **31.7**
8. 5.62 x 1 = **5.62**
9. 8 x 6.46 = **51.68**
10. 7 x 5.24 = **36.68**

Big Maths Revisit Questions

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

1. **6 x 5.14m =**

2. **7 x 6.63cm =**

3. **8.48km x 9 =**

4. **8g x 5.88 =**

5. **5.33 x 8mg =**

6. **3 x 6.98L =**

7. **5ml x 6.34 =**

8. **5.62s x 1 =**

9. **8 x 6.46mm =**

10. **7 x 5.24kg =**

Revisit Answers

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

1. 6 x 5.14m = **30.84m**
2. 7 x 6.63cm = **46.41cm**
3. 8.48km x 9 = **76.32km**
4. 8g x 5.88 = **47.04g**
5. 5.33 x 8mg = **42.64mg**
6. 3 x 6.98L = **20.94L**
7. 5ml x 6.34 = **31.7ml**
8. 5.62s x 1 = **5.62s**
9. 8 x 6.46mm = **51.68mm**
10. 7 x 5.24kg = **36.68kg**

Real Life Maths Questions

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember to:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the ones (units)
- add the two totals

1 **Pim has 9 boxes. Each box has 5.36kg of fruit. What is the total weight of fruit?**

2 **There are 8 people at a party. Each person gets 4.22 sweets. How many sweets are there in total?**

3 **A box of Lego costs £5.33. I want to buy 5 boxes. How much does that cost?**

4 **I have 7 bags of sand. Each bag weighs 5.63kg. What is the total weight?**

5 **What is 9 times 6.88?**

Real Life Maths Answers

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember to:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the ones (units)
- add the two totals

1 **Pim has 9 boxes. Each box has 5.36kg of fruit. What is the total weight of fruit?**

There is 48.24kg of fruit.

2 **There are 8 people at a party. Each person gets 4.22 sweets. How many sweets are there in total?**

There are 33.76 sweets in total.

3 **A box of Lego costs £5.33. I want to buy 5 boxes. How much does that cost?**

It costs £26.65.

4 **I have 7 bags of sand. Each bag weighs 5.63kg. What is the total weight?**

The total weight is 39.41kg.

5 **What is 9 times 6.88?**

The answer is 61.92.

Big Maths Select Questions

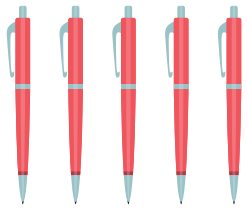
Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

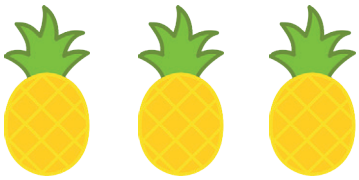
1



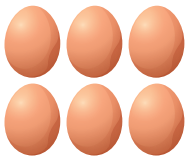
Pens cost £1.46 each. A 10% discount is offered if you buy five pens. What would be the total cost of five pens?

2

Large pineapples cost £1.65 each. Paul buys three large pineapples. He now has two thirds of his money left. How much money did Paul have to start with?



3



Half a dozen large free range eggs costs £1.35.
Ruby needs three dozen eggs.
How much will she have to pay?

4

The width of a rectangular lawn is 4.62m.
The length of the lawn is three times the width.
What is the perimeter of the lawn?

5

Cup cakes are sold in packs of three. The cost of a pack of cup cakes is £1.39. For a birthday party, Mark is expecting up to twenty children to be present. How much would he pay if he wants to ensure that every child can have a cup cake?

Select Answers

Step 18 — **Multiplication**

I can solve 1d x 1d.2dp

Remember To:

- partition the number
- solve the 2dp part as if it were a 1d x 2d question
- think of these as hundredths
- times the units
- add the two totals

1

The total cost of five pens would be £6.57

2

Paul had £14.85 to start with.

3

Ruby would have to pay £8.10 for three dozen eggs.

4

The perimeter of the lawn is 39.96m

5

£9.73

Question Practice Resources

Question 6 - I can combine 2 or more table facts to solve decimal division

Remember to:

- say the Tables Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

Repeat Questions

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember To:

- say the Tables Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1. **55.3 ÷ 7 =**
2. **6.8 ÷ 2 =**
3. **51.2 ÷ 8 =**
4. **41.5 ÷ 5 =**
5. **28.5 ÷ 5 =**
6. **39.0 ÷ 6 =**
7. **62.4 ÷ 8 =**
8. **43.2 ÷ 9 =**
9. **15.2 ÷ 2 =**
10. **51.1 ÷ 7 =**

Repeat Answers

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember To:

- say the Tables Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1. 55.3 ÷ 7 = 7.9
2. 6.8 ÷ 2 = 3.4
3. 51.2 ÷ 8 = 6.4
4. 41.5 ÷ 5 = 8.3
5. 28.5 ÷ 5 = 5.7
6. 39.0 ÷ 6 = 6.5
7. 62.4 ÷ 8 = 7.8
8. 43.2 ÷ 9 = 4.8
9. 15.2 ÷ 2 = 7.6
10. 51.1 ÷ 7 = 7.3

Big Maths Revisit Questions

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember To:

- say the Tables Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1. **55.3m ÷ 7 =**

2. **6.8cm ÷ 2 =**

3. **51.2km ÷ 8 =**

4. **41.5g ÷ 5 =**

5. **28.5mg ÷ 5 =**

6. **39L ÷ 6 =**

7. **62.4ml ÷ 8 =**

8. **43.2s ÷ 9 =**

9. **15.2mm ÷ 2 =**

10. **51.1kg ÷ 7 =**

Big Maths Revisit Answers

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember To:

- say the Tables Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1. 55.3m ÷ 7 = 7.9m
2. 6.8cm ÷ 2 = 3.4cm
3. 51.2km ÷ 8 = 6.4km
4. 41.5g ÷ 5 = 8.3g
5. 28.5mg ÷ 5 = 5.7mg
6. 39L ÷ 6 = 6.5L
7. 62.4ml ÷ 8 = 7.8ml
8. 43.2s ÷ 9 = 4.8s
9. 15.2mm ÷ 2 = 7.6mm
10. 51.1kg ÷ 7 = 7.3kg

Real Life Maths Questions

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember to:

- say the Table Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1 **Pim has 43.8g of sugar. He shared it between 6 people. How many grams of sugar does each person get?**

2 **Mully has 42.4kg of apples. He puts them into 8 boxes. How many kilograms of apples are in each box?**

3 **Pim spent £47.50 on Lego. He bought 5 sets. How much did each set cost?**

4 **Pom has a jug containing 64.8ml of water. He pours it into 9 cups. How much water is in each cup?**

5 **What is 37.2 shared by 6?**

Real Life Maths Answers

Step 33 — **Division**

I can combine 2 or more Tables Facts to solve decimal division

Remember to:

- say the Table Fact that jumps out
- think how much is left over
- find how many lots that is
- find how many 'lots of' there are altogether by adding

1 **Pim has 43.8g of sugar. He shared it between 6 people. How many grams of sugar does each person get?**

Each person gets 7.3g of sugar.

2 **Mully has 42.4kg of apples. He puts them into 8 boxes. How many kilograms of apples are in each box?**

Each box contains 5.3kg of apples.

3 **Pim spent £47.50 on Lego. He bought 5 sets. How much did each set cost?**

Each set of Lego cost £9.50.

4 **Pom has a jug containing 64.8ml of water. He pours it into 9 cups. How much water is in each cup?**

There is 7.2ml of water in each cup.

5 **What is 37.2 shared by 6?**

The answer is 6.2.

Question Practice Resources

Question 7 - I can add numbers with mixed amounts of decimal places

Big Maths Repeat Questions

Step 14

Addition Column Methods

I can add numbers with mixed amounts of decimal places

Example

$$\begin{array}{r} 8.689 \\ +\ 6.54 \\ \hline 15.229 \\ {\scriptstyle 1\ \ 1\ \ \ \ } \end{array}$$

1. 3.766 + 4.88
2. 9.424 + 7.3
3. 9.21 + 5.813
4. 7.51 + 8.350
5. 82.31 + 13.251
6. 95.256 + 2.22
7. 62.42 + 28.932
8. 73.625 + 12.77
9. 22.33 + 46.221
10. 73.871 + 16.4

Big Maths Repeat Answers

Step 14 — **Addition Column Methods**

I can add numbers with mixed amounts of decimal places

Example

$$\begin{array}{r} 8.689 \\ +\ 6.54 \\ \hline 15.229 \\ {\scriptstyle 1\ \ 1\ \ \ \ } \end{array}$$

1. 3.766 + 4.88 = **8.646**
2. 9.424 + 7.3 = **16.724**
3. 9.21 + 5.813 = **15.023**
4. 7.51 + 8.350 = **15.86**
5. 82.31 + 13.251 = **95.561**
6. 95.256 + 2.22 = **97.476**
7. 62.42 + 28.932 = **91.352**
8. 73.625 + 12.77 = **86.395**
9. 22.33 + 46.221 = **68.551**
10. 73.871 + 16.4 = **90.271**

Question Practice Resources

Question 8 - I can subtract numbers with mixed amounts of decimal places

Repeat Questions

Step 12 — **Subtraction Column Methods**

I can subtract numbers with mixed amounts of decimal places

Example

$$\begin{array}{r} {}^{7}\not{8}.{}^{1}625 \\ -\ 4.8 \\ \hline 3.825 \end{array}$$

1. **8.76 - 5.5**

2. **8.677 - 3.3**

3. **4.777 - 2.1**

4. **9.45 - 6.56**

5. **7.67 - 4.983**

6. **8.909 - 5.43**

7. **8.544 - 6.34**

8. **8.76 - 3.3**

9. **8.79 - 5.6**

10. **4.421 - 2.32**

Repeat Answers

Step 12 — **Subtraction Column Methods**

I can subtract numbers with mixed amounts of decimal places

Example

$$\begin{array}{r} {}^{7}\not{8}.{}^{1}625 \\ -\ 4.8 \\ \hline 3.825 \end{array}$$

1. 8.76 - 5.5 = 3.26
2. 8.677 - 3.3 = 5.377
3. 4.777 - 2.1 = 2.677
4. 9.45 - 6.56 = 2.89
5. 7.67 - 4.983 = 2.687
6. 8.909 - 5.43 = 3.479
7. 8.544 - 6.34 = 2.204
8. 8.76 - 3.3 = 5.46
9. 8.79 - 5.6 = 3.19
10. 4.421 - 2.32 = 2.101

Question Practice Resources

Question 9 - I can solve any 1 digit with 2 decimal places x 2 digit

Repeat Questions

Step 11 — **Multiplication Column Methods**

I can solve any 1d.2dp x 2d

Example

$$\begin{array}{r} {\scriptstyle 1\ 2}\\ 5.24\\ \times\ 26\\ \hline 31.44\\ 104.80\\ \hline 136.24\\ {\scriptstyle 1} \end{array}$$

1. **5.41 x 56**
2. **2.76 x 61**
3. **5.65 x 89**
4. **2.52 x 90**
5. **6.43 x 34**
6. **7.41 x 65**
7. **4.51 x 88**
8. **9.13 x 51**
9. **8.44 x 53**
10. **6.76 x 98**

Repeat Answers

Step 11 — **Multiplication Column Methods**

I can solve any 1d.2dp x 2d

Example

$$\begin{array}{r} {\scriptstyle 1\ 2}\\ 5.24\\ \times\ 26\\ \hline 31.44\\ 104.80\\ \hline 136.24\\ {\scriptstyle 1} \end{array}$$

1. 5.41 x 56 = 302.96
2. 2.76 x 61 = 168.36
3. 5.65 x 89 = 502.85
4. 2.52 x 90 = 226.80
5. 6.43 x 34 = 218.62
6. 7.41 x 65 = 481.65
7. 4.51 x 88 = 396.88
8. 9.13 x 51 = 465.63
9. 8.44 x 53 = 447.32
10. 6.76 x 98 = 662.48

Question Practice Resources

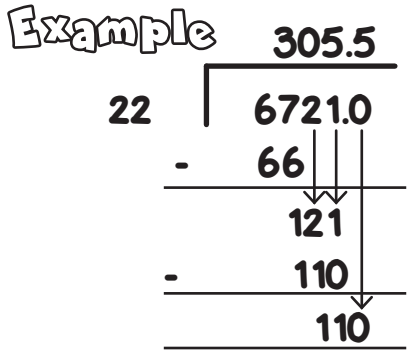
Question 10 - I can solve division with decimal places in the answer

Repeat Questions

Step 10 — **Division Column Methods**

I can solve division with decimal places in the answer

Example



1. 414 ÷ 40

2. 422 ÷ 20

3. 624 ÷ 12

4. 152 ÷ 50

5. 1420 ÷ 16

6. 912 ÷ 32

7. 676 ÷ 8

8. 741 ÷ 25

9. 5472 ÷ 45

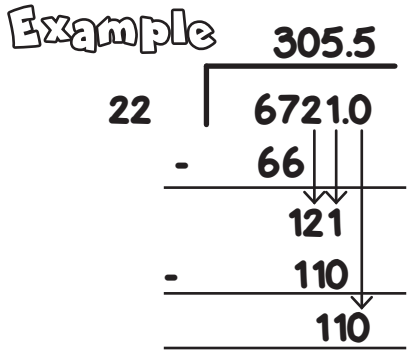
10. 3544 ÷ 50

Repeat Answers

Step 10 — **Division Column Methods**

I can solve division with decimal places in the answer

Example



1. 414 ÷ 40 = 10.35
2. 422 ÷ 20 = 21.1
3. 624 ÷ 12 = 52
4. 152 ÷ 50 = 3.04
5. 1420 ÷ 16 = 88.75
6. 912 ÷ 32 = 28.5
7. 676 ÷ 8 = 84.5
8. 741 ÷ 25 = 29.64
9. 5472 ÷ 45 = 121.6
10. 3544 ÷ 50 = 70.88