Big Maths

A Guide for Home Learning

CLIC 12

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 count in 8s

Question 2
I can understand 3d numbers

Question 3
I can double 3d numbers (Without Crossing 10s)

Question 4
I can double 3d numbers (With Crossing 10s)

Question 5
I can solve any 2d + 2d

Question 6
I can solve any 2d - 2d

Question 7
I can do any Smile Multiplication

Question 8
I can solve a 2d + 2d

Question 9
I can solve any 2d + 2d

Question 10
I can solve a 2d - 2d

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 12

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:

The Big Maths CLIC Challenges!

1 Complete the sequence

8, [ ] , 24, [ ] , [ ] .

2 Place in order

311   131   331

3 Double 432 is

4 Double 437 is

5 48 + 76 =

6 83 - 49 =

7 3 x 40 =

8
36
+ 42

9
37
+ 89

10
96
- 42

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

10

Beat That!

Name:

Class:

Date:

1 Complete the sequence

8, **16**, 24, **32**, **40**.

2 Place in order

311   131   331

131   **311**   **331**

3 Double 432 is **864**

4 Double 437 is **874**

5 48 + 76 = **124**

6 83 - 49 = **34**

7 3 x 40 = **120**

8
36
+ 42
78

9
37
+ 89
126

10
96
- 42
54

The Big Maths CLIC Challenges!

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

$\frac{}{10}$

Question Practice Resources

Big Maths

Repeat Questions

I can count in 8s

Example

1. **8, 16,**

2. **192, 200,**

3. **24, 32,**

4. **128, 136,**

5. **80, 88,**

6. **232, 240,**

7. **152, 160,**

8. **40, 48,**

9. **56, 64,**

10. **16, 24,**

Step 6 · Counting Multiples

I can count in 8s

Example

8 16 24

1. 8, 16, **24, 32, 40**

2. 192, 200, **208, 216, 224**

3. 24, 32, **40, 48, 56**

4. 128, 136, **144, 152, 160**

5. 80, 88, **96, 104, 112**

6. 232, 240, **248, 256, 264**

7. 152, 160, **168, 176, 184**

8. 40, 48, **56, 64, 72**

9. 56, 64, **72, 80, 88**

10. 16, 24, **32, 40, 48**

Step 6

Counting Multiples

I can count in 8s

Example

8 16 24

1. 8m, 16m,

2. 192cm, 200cm,

3. 24km, 32km,

4. 128g, 136g,

5. 80mg, 88mg,

6. 232l, 240l,

7. 152ml, 160ml,

8. 40s, 48s,

9. 56mm, 64mm,

10. 16kg, 24kg,

Step 6 — Counting Multiples

I can count in 8s

Example

8 16 24

1. **8m, 16m, 24m, 32m, 40m**

2. **192cm, 200cm, 208cm, 216cm, 224cm**

3. **24km, 32km, 40km, 48km, 56km**

4. **128g, 136g, 144g, 152g, 160g**

5. **80mg, 88mg, 96mg, 104mg, 112mg**

6. **232L, 240L, 248L, 256L, 264L**

7. **152ml, 160ml, 168ml, 176ml, 184ml**

8. **40s, 48s, 56s, 64s, 72s**

9. **56mm, 64mm, 72mm, 80mm, 88mm**

10. **16kg, 24kg, 32kg, 40kg, 48kg**

Question Practice Resources

Remember to:

- order the numbers by their hundreds digit
- then, if they have the same hundreds digit, order by the tens digit
- then, if they have the same tens digit, order by the units digit

Step 4

Mastery of Numbers

I can understand 3d numbers

Remember To:
- order the numbers by their hundreds digit
- then, if they have the same hundreds digit, order by the tens digit
- then, if they have the same tens digit, order by the units digit

1
323, 322, 324, 321

2
655, 654, 653, 652

3
122, 433, 265, 311

4
544, 899, 900, 371

5
999, 333, 666, 777

6
421, 420, 609, 611

7
975, 942, 461, 533

8
180, 360, 240, 560

9
761, 760, 759, 758

10
430, 630, 310, 250

Repeat Answers

Step 4

Mastery of Numbers

I can understand 3d numbers

Remember To:

- order the numbers by their hundreds digit
- then, if they have the same hundreds digit, order by the tens digit
- then, if they have the same tens digit, order by the units digit

1

321, 322, 323, 324

2

652, 653, 654, 655

3

122, 265, 311, 433

4

371, 544, 899, 900

5

333, 666, 777, 999

6

420, 421, 609, 611

7

461, 533, 942, 975

8

180, 240, 360, 560

9

758, 759, 760, 761

10

250, 310, 430, 630

Ordering Numbers: Set 1

Step 4

Mastery of Numbers

I can understand 3d numbers

Remember To:
- order the numbers by their hundreds digit
- then, if they have the same hundreds digit, order by the tens digit
- then, if they have the same tens digit, order by the units digit

1
544g, 899g, 900g, 371g

2
655cm, 654cm, 653cm, 652cm

3
421L, 420L, 609L, 611L

4
323m, 322m, 324m, 321m

5
180s, 360s, 240s, 560s

6
122km, 433km, 265km, 311km

7
430kg, 630kg, 310kg, 250kg

8
999mg, 333mg, 666mg, 777mg

9
761mm, 760mm, 759mm, 758mm

10
975kg, 942kg, 461kg, 533kg

Step 4

Mastery of Numbers

I can understand 3d numbers

Remember To:
- order the numbers by their hundreds digit
- then, if they have the same hundreds digit, order by the tens digit
- then, if they have the same tens digit, order by the units digit

1

371g, 544g, 899g, 900g

2

652cm, 653cm, 654cm, 655cm

3

420L, 421L, 609L, 611L

4

321m, 322m, 323m, 324m

5

180s, 240s, 360s, 560s

6

122km, 265km, 311km, 433km

7

250kg, 310kg, 430kg, 630kg

8

333mg, 666mg, 777mg, 999mg

9

758mm, 759mm, 760mm, 761mm

10

461kg, 533kg, 942kg, 975kg

Question Practice Resources

Question 3 - I can double 3 digit numbers (without crossing 10)

Remember to:

- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

Repeat Questions

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

1 Double 244 is

2 Double 324 is

3 Double 434 is

4 Double 341 is

5 Double 132 is

6 Double 224 is

7 Double 413 is

8 Double 312 is

9 Double 123 is

10 Double 444 is

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

1 **Double 244 is 488**

2 **Double 324 is 648**

3 **Double 434 is 868**

4 **Double 341 is 682**

5 **Double 132 is 264**

6 **Double 224 is 448**

7 **Double 413 is 826**

8 **Double 312 is 624**

9 **Double 123 is 246**

10 **Double 444 is 888**

Revisit Questions

I can double 3d numbers

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
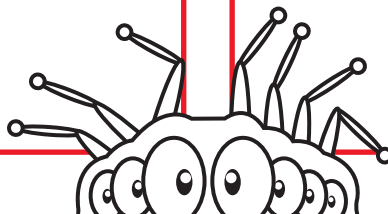- double the units
- put them back together again

1 **Double 345g is**

2 **Double 384cm is**

3 **Double 434km is**

4 **Double 245m is**

5 **Double 167mg is**

6 **Double 287L is**

7 **Double 413ml is**

8 **Double 367s is**

9 **Double 123mm is**

10 **Double 444kg is**

Step 5

Doubling With Pim (Without Crossing 10)

I can double 3d numbers

Remember To:

- partition the 3d number
- double the hundreds
- double the tens
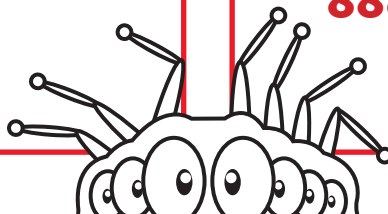- double the units
- put them back together again

1 Double 345g is **690g**

2 Double 384cm is **768cm**

3 Double 434km is **868km**

4 Double 245m is **490m**

5 Double 167mg is **334mg**

6 Double 287L is **574L**

7 Double 413ml is **826ml**

8 Double 367s is **734s**

9 Double 123mm is **246mm**

10 Double 444kg is **888kg**

Big Maths

Real Life Maths Questions

Remember to:

learn that, double...

- partition the 3d number
- double the hundreds
- double the tens
- double the ones (units)
- put them back together again

1 A box of sweets costs £323. How much do 2 boxes cost?

2 There are 221 people at a party. Each person gets 2 chocolates. How many chocolates are there in total?

3 Pom has 434kg of apples. Pim has 434kg of apples. How many kilograms of apples is there in total?

4 What is double 141?

5 Mully buys 2 boxes of oranges. Each box costs £222. How much does it cost in total?

Real Life Maths Answers

Big Maths

Step 5

Doubling With Pim (Without Crossing 10)

I can double 3d numbers

Remember to:

learn that, double...

- partition the 3d number
- double the hundreds
- double the tens
- double the ones (units)
- put them back together again

---

1 A box of sweets costs £323. How much do 2 boxes cost?

They cost £646.

---

2 There are 221 people at a party. Each person gets 2 chocolates. How many chocolates are there in total?

There are 442 sweets in total.

---

3 Pom has 434kg of apples. Pim has 434kg of apples. How many kilograms of apples is there in total?

There are 868kg of apples in total.

---

4 What is double 141?

The answer is 282.

---

5 Mully buys 2 boxes of oranges. Each box costs £222. How much does it cost in total?

It costs £444 in total.

Question Practice Resources

Question 4   -   I can double 3 digit numbers (with crossing 10)

Remember to:

- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

![Big Maths] **Repeat** Questions

I can double 3d numbers

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

1 Double 890 is

2 Double 568 is

3 Double 679 is

4 Double 987 is

5 Double 698 is

6 Double 555 is

7 Double 843 is

8 Double 723 is

9 Double 720 is

10 Double 999 is

Repeat Answers

Step 5 — Doubling With Pim (With Crossing 10)

I can double 3d numbers

Remember To:
- partition the 3d number
- double the hundreds
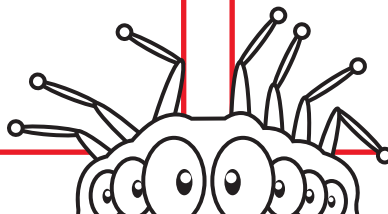- double the tens
- double the units
- put them back together again

1 Double 890 is **1780**

2 Double 568 is **1136**

3 Double 679 is **1358**

4 Double 987 is **1974**

5 Double 698 is **1396**

6 Double 555 is **1110**

7 Double 843 is **1686**

8 Double 723 is **1446**

9 Double 720 is **1440**

10 Double 999 is **1998**

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
- double the units
- put them back together again

1 Double 980m is

2 Double 577cm is

3 Double 666km is

4 Double 747g is

5 Double 322mg is

6 Double 555L is

7 Double 843ml is

8 Double 723s is

9 Double 720mm is

10 Double 999kg is

Step 5 — Doubling With Pim (With Crossing 10)

I can double 3d numbers

Remember To:
- partition the 3d number
- double the hundreds
- double the tens
- double the units
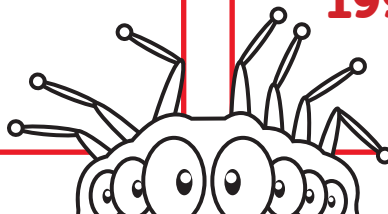- put them back together again

1 Double 980m is
1960m

2 Double 577cm is
1154cm

3 Double 666km is
1332km

4 Double 747g is
1494g

5 Double 322mg is
644mg

6 Double 555L is **1110L**

7 Double 843ml is
1686ml

8 Double 723s is **1446s**

9 Double 720mm is
1440mm

10 Double 999kg is
1998kg

Real Life Maths Questions

Step 5 — **Doubling With Pim (With Crossing 10)**

I can double 3d numbers

Remember to:
- partition the 3d number
- double the hundreds
- double the tens
- double the ones (units)
- put them back together again

1 Pim has 2 boxes of sweets. Each box contains 578 sweets. How many sweets are there in total?

2 There are 766 people at a party. Each person 2 sandwiches. How many sandwiches are there in total?

3 A computer costs £869. How much do 2 computers cost?

4 Pim wants to buy 2 bars of gold. Each bar costs £999. How much does it cost in total?

5 What is double 665?

Step 5

Doubling With Pim (With Crossing 10)

I can double 3d numbers

Remember to:
- partition the 3d number
- double the hundreds
- double the tens
- double the ones (units)
- put them back together again

1 Pim has 2 boxes of sweets. Each box contains 578 sweets. How many sweets are there in total?

There are 1156 sweets in total.

2 There are 766 people at a party. Each person 2 sandwiches. How many sandwiches are there in total?

There are 1532 sandwiches in total.

3 A computer costs £869. How much do 2 computers cost?

They cost £1738.

4 Pim wants to buy 2 bars of gold. Each bar costs £999. How much does it cost in total?

It costs £1998 in total.

5 What is double 665?

The answer is 1330.

Question Practice Resources

Question 5 - I can solve any 2 digit + 2 digit

Remember to:

- partition the numbers
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

Big Maths — **Repeat** Questions

Remember To:

- partition the numbers
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

1 $32 + 96 =$

2 $53 + 44 =$

3 $24 + 38 =$

4 $49 + 77 =$

5 $41 + 94 =$

6 $72 + 50 =$

7 $31 + 36 =$

8 $22 + 13 =$

9 $16 + 32 =$

10 $22 + 28 =$

Big Maths — **Repeat** Answers

Remember To:

- partition the numbers
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

1 32 + 96 = **128**

2 53 + 44 = **97**

3 24 + 38 = **62**

4 49 + 77 = **126**

5 41 + 94 = **135**

6 72 + 50 = **122**

7 31 + 36 = **67**

8 22 + 13 = **35**

9 16 + 32 = **48**

10 22 + 28 = **50**

Step 25	Addition

I can solve any 2d + 2d

Remember To:
- partition the numbers
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

1 21mg + 96mg =

2 57g + 84g =

3 24km + 38km =

4 49m + 77m =

5 41g + 94g =

6 72mg + 50mg =

7 67km + 36km =

8 13m + 13m =

9 18L + 38L =

10 62kg + 28kg =

![Big Maths logo] **Revisit** Answers

Remember To:

- partition the numbers
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

1 21mg + 96mg = **117mg**

2 57g + 84g = **141g**

3 24km + 38km = **62km**

4 49m + 77m = **126m**

5 41g + 94g = **135g**

6 72mg + 50mg = **122mg**

7 67km + 36km = **103km**

8 13m + 13m = **26m**

9 18L + 38L = **56L**

10 62kg + 28kg = **90kg**

Real Life Maths Questions

Step 25 — **Addition**

I can solve any 2d + 2d

Remember to:
- partition the numbers
- write out the 2 new questions
- add the ones (units)
- add the tens
- add the units answer to the tens answer

1 Pim has 28 sweets and his friend gives him 59 more. How many sweets does Pim have?

2 There are 85 apples in one box and 37 apples in another box. How many apples are there altogether?

3 Pom bought toys for £37 and books for £28. How much did he spend?

4 Pim has 78ml of water in a jug. He adds 67ml more. How much liquid is in the jug?

5 Mully has 45kg of rocks on the weighing scales. He adds 51kg more. What is the weight on the scales?

Step 25 | **Addition**

I can solve any 2d + 2d

Remember to:
- partition the numbers
- write out the 2 new questions
- add the ones (units)
- add the tens
- add the units answer to the tens answer

1

Pim has 28 sweets and his friend gives him 59 more. How many sweets does Pim have?

Pim has 87 sweets.

2

There are 85 apples in one box and 37 apples in another box. How many apples are there altogether?

There are 122 apples.

3

Pom bought toys for £37 and books for £28. How much did he spend?

Pom spent £65.

4

Pim has 78ml of water in a jug. He adds 67ml more. How much liquid is in the jug?

There is 145ml in the jug.

5

Pim has 45kg of rocks on the weighing scales. He adds 51kg more. What is the weight on the scales?

There is 96kg on the scales.

Remember To:
- partition the numbers
- write out the 2 new questions
- add the ones
- add the tens
- add the ones answer to the tens answer

1

There are sixty pencils in a box. Ali takes thirty six pencils. Rachel takes half as many pencils as Ali. How many pencils are left in the box?

2

Two red bricks and one blue are put in a straight line as shown. The blue brick measures 25cm. The red brick is 10cm shorter than the blue brick. What is the total length of the three bricks?

3

A banana costs 28p. I buy 2 bananas and an apple and get 20p change when I pay with a £1 coin. How much does the apple cost?

4

James leaves his house at 35 minutes past 8 in the morning to walk to the bus stop. It takes him 18 minutes. The bus is due at exactly 9 o'clock. How long does he have to wait for the bus?

5

Nina buys a pencil and a rubber. The pencil costs 24p and the rubber costs twice as much as the pencil. She pays for both with the coins shown. How much change does she get?

Select Answers

Step 25 | **Addition**

I can solve any 2d + 2d

Remember To:
- partition the numbers
- write out the 2 new questions
- add the ones
- add the tens
- add the ones answer to the tens answer

1

There are 6 pencils left in the box.

2

The total length of all three bricks is 55cm.

3

An apple costs 24 pence.

4

He has 7 minutes to wait for the bus.

5

He gets 3 pence change.

Question Practice Resources

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

Big Maths

Repeat Questions

Step 27 — **Subtraction**

I can solve any 2d - 2d

Remember To:
- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 68 - 22 =

2 43 - 12 =

3 83 - 75 =

4 33 - 12 =

5 91 - 76 =

6 65 - 35 =

7 61 - 58 =

8 47 - 31 =

9 96 - 34 =

10 25 - 21 =

Step 27 | **Subtraction**

I can solve any 2d - 2d

Remember To:
- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 68 - 22 = **46**

2 43 - 12 = **31**

3 83 - 75 = **8**

4 33 - 12 = **21**

5 91 - 76 = **15**

6 65 - 35 = **30**

7 61 - 58 = **3**

8 47 - 31 = **16**

9 96 - 34 = **62**

10 25 - 21 = **4**

Big Maths

Revisit Questions

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 89m - 22m =

2 67cm - 12cm =

3 93km - 75km =

4 78g - 12g =

5 65mg - 35mg =

6 65L - 35L =

7 61ml - 58ml =

8 47s - 31s =

9 96mm - 34mm =

10 25kg - 21kg =

Step 27 — **Subtraction**

I can solve any 2d - 2d

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 89m - 22m = **67m**

2 67cm - 12cm = **55cm**

3 93km - 75km = **18km**

4 78g - 12g = **21g**

5 65mg - 35mg = **30mg**

6 65L - 35L = **30L**

7 61ml - 58ml = **3ml**

8 47s - 31s = **16s**

9 96mm - 34mm = **62mm**

10 25kg - 21kg = **4kg**

Real Life Maths Questions

Step 27

Subtraction

I can solve any 2d - 2d

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 **Pim has 58 conkers. He gave his friend 39 conkers. How many conkers does Pim have now?**

2 **Pom made a pile of 65 bricks. He took away 46 bricks from the pile. How many are in the pile now?**

3 **Pim puts 73g of wood on the weighing scales. He took away 68g. What is the weight on the scales?**

4 **Mully had to run 46km. So far he has run 19km. What is the total distance he has to go?**

5 **What is the difference between 84 and 38?**

Step 27

Subtraction

I can solve any 2d - 2d

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 **Pim has 58 conkers. He gave his friend 39 conkers. How many conkers does Pim have now?**

Pim has 19 conkers.

2 **Pom made a pile of 65 bricks. He took away 46 bricks from the pile. How many are in the pile now?**

There are 19 in the pile now.

3 **Pim puts 73g of wood on the weighing scales. He took away 68g. What is the weight on the scales?**

There is 5g on the scales.

4 **Mully had to run 46km. So far he has run 19km. What is the total distance he has to go?**

He still has to go 27km.

5 **What is the difference between 84 and 38?**

The difference is 46.

Step 27

Subtraction

I can solve any 2d - 2d

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 Paul plays a game where he asks his friends to work out the number he is holding in his head. He gives them certain clues to help them find his number. Paul doubles his mystery number and then subtracts this answer from sixty four. He is left with sixteen. What number was Paul holding in his head?

2 Jess walks around all four sides of a rectangular playground. This is a total distance of 92m. If the width of the rectangle is 18m, then what is the length of the playground?

3 Cheryl finishes her Big Maths Beat That! Learn Its Challenge in 48 seconds. Her friend Sara is 5 seconds quicker at completing the same challenge. How many seconds less than one minute does Sara take to finish her challenge?

4 Joshua buys two packets of crisps at 28p each. In his pocket are the four coins shown. How much is he left with after buying the crisps?

5 ☐☐ – ☐☐

Imran says that when you find the difference between two 2 digit ODD numbers, the answer will always be an EVEN number. Is Imran correct?

Big Maths

Select Answers

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1

Paul was holding the number 24 in his head.

2

The length of the playground is 28m.

3

Sare takes 17 seconds less than one minute to complete her challenge.

4

He is left with 17p after buying the crisps.

5

Yes, Imran is correct.
e.g. 57 - 33 = 24

Question Practice Resources

Question 6 - I can solve any 2 digit - 2 digit

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

Repeat Questions

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 68 - 22 =

2 43 - 12 =

3 83 - 75 =

4 33 - 12 =

5 91 - 76 =

6 65 - 35 =

7 61 - 58 =

8 47 - 31 =

9 96 - 34 =

10 25 - 21 =

Repeat Answers

Step 27 **Subtraction**

I can solve any 2d - 2d

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 68 - 22 = **46**

2 43 - 12 = **31**

3 83 - 75 = **8**

4 33 - 12 = **21**

5 91 - 76 = **15**

6 65 - 35 = **30**

7 61 - 58 = **3**

8 47 - 31 = **16**

9 96 - 34 = **62**

10 25 - 21 = **4**

Revisit Questions

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 **89m - 22m =**

2 **67cm - 12cm =**

3 **93km - 75km =**

4 **78g - 12g =**

5 **65mg - 35mg =**

6 **65L - 35L =**

7 **61ml - 58ml =**

8 **47s - 31s =**

9 **96mm - 34mm =**

10 **25kg - 21kg =**

Step 27 | **Subtraction**

I can solve any 2d - 2d

1 89m - 22m = **67m**

2 67cm - 12cm = **55cm**

3 93km - 75km = **18km**

4 78g - 12g = **21g**

5 65mg - 35mg = **30mg**

6 65L - 35L = **30L**

7 61ml - 58ml = **3ml**

8 47s - 31s = **16s**

9 96mm - 34mm = **62mm**

10 25kg - 21kg = **4kg**

Real Life Maths Questions

Step 27 | **Subtraction**

I can solve any 2d - 2d

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 **Pim has 58 conkers. He gave his friend 39 conkers. How many conkers does Pim have now?**

2 **Pom made a pile of 65 bricks. He took away 46 bricks from the pile. How many are in the pile now?**

3 **Pim puts 73g of wood on the weighing scales. He took away 68g. What is the weight on the scales?**

4 **Mully had to run 46km. So far he has run 19km. What is the total distance he has to go?**

5 **What is the difference between 84 and 38?**

Real Life Maths Answers

Step 27 | **Subtraction**

I can solve any 2d - 2d

Remember to:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your jigsaw numbers
- jump from the multiple of 10 to the target number
- add the 2 jumps

1

Pim has 58 conkers. He gave his friend 39 conkers. How many conkers does Pim have now?

Pim has 19 conkers.

2

Pom made a pile of 65 bricks. He took away 46 bricks from the pile. How many are in the pile now?

There are 19 in the pile now.

3

Pim puts 73g of wood on the weighing scales. He took away 68g. What is the weight on the scales?

There is 5g on the scales.

4

Mully had to run 46km. So far he has run 19km. What is the total distance he has to go?

He still has to go 27km.

5

What is the difference between 84 and 38?

The difference is 46.

Step 27

Subtraction

I can solve any 2d - 2d

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1 Paul plays a game where he asks his friends to work out the number he is holding in his head. He gives them certain clues to help them find his number. Paul doubles his mystery number and then subtracts this answer from sixty four. He is left with sixteen. What number was Paul holding in his head?

2 Jess walks around all four sides of a rectangular playground. This is a total distance of 92m. If the width of the rectangle is 18m, then what is the length of the playground?

3 Cheryl finishes her Big Maths Beat That! Learn Its Challenge in 48 seconds. Her friend Sara is 5 seconds quicker at completing the same challenge. How many seconds less than one minute does Sara take to finish her challenge?

4 Joshua buys two packets of crisps at 28p each. In his pocket are the four coins shown. How much is he left with after buying the crisps?

5 ☐☐ – ☐☐ Imran says that when you find the difference between two 2 digit ODD numbers, the answer will always be an EVEN number. Is Imran correct?

Big Maths Select Answers

Remember To:

- show the gap on a number line
- write in the next multiple of 10
- jump to the next multiple of 10 using your Jigsaw Numbers to 10
- jump from the multiple of 10 to the target number
- add the 2 jumps

1

Paul was holding the number 24 in his head.

2

The length of the playground is 28m.

3

Sare takes 17 seconds less than one minute to complete her challenge.

4

He is left with 17p after buying the crisps.

5

Yes, Imran is correct.
e.g. 57 - 33 = 24

Question Practice Resources

Question 7   -   I can solve a 2 digit x 1 digit

Big Maths **Repeat** Questions

Example

$$
\begin{array}{r}
\overset{2}{3}5 \\
\times 5 \\
\hline
175
\end{array}
$$

1 | 23 x 2

2 | 44 x 2

3 | 21 x 4

4 | 49 x 2

5 | 33 x 3

6 | 25 x 3

7 | 13 x 5

8 | 10 x 5

9 | 17 x 4

10 | 20 x 4

Set 1

Step 1	**Multiplication Column Methods**

I can solve a 2d x 1d

Example

$$\begin{array}{r} \overset{2}{3}5 \\ \times\ \ 5 \\ \hline 175 \end{array}$$

1   **23 x 2 = 46**

2   **44 x 2 = 88**

3   **21 x 4 = 84**

4   **49 x 2 = 98**

5   **33 x 3 = 99**

6   **25 x 3 = 75**

7   **13 x 5 = 65**

8   **10 x 5 = 50**

9   **17 x 4 = 68**

10   **20 x 4 = 80**

Question Practice Resources

Step 1 | **Addition Column Methods**

I can solve a 2d + 2d

Example

$$
\begin{array}{r}
36 \\
+\ 42 \\
\hline
78 \\
\hline
\end{array}
$$

1 54 + 32

2 44 + 45

3 81 + 12

4 33 + 45

5 25 + 44

6 72 + 16

7 18 + 11

8 71 + 23

9 13 + 14

10 52 + 43

Big Maths — Repeat Answers

Repeat Answers

Step 1 | **Addition Column Methods**

I can solve a 2d + 2d

Example

$$\begin{array}{r} 36 \\ + 42 \\ \hline 78 \end{array}$$

1   54 + 32 = **86**

2   44 + 45 = **89**

3   81 + 12 = **93**

4   33 + 45 = **78**

5   25 + 44 = **69**

6   72 + 16 = **88**

7   18 + 11 = **29**

8   71 + 23 = **94**

9   13 + 14 = **27**

10   52 + 43 = **95**

Step 1 **Addition Column Methods**

I can solve a 2d + 2d

Example

$$\begin{array}{r} 36 \\ +\ 42 \\ \hline 78 \end{array}$$

1 43 + 23 =

2 44 + 34 =

3 32 + 33 =

4 24 + 23 =

5 24 + 44 =

6 42 + 32 =

7 34 + 42 =

8 33 + 22 =

9 24 + 43 =

10 23 + 22 =

Big Maths

Repeat Answers

Step 1 | **Addition Column Methods**

I can solve a 2d + 2d

$$\begin{array}{r} 36 \\ + \ 42 \\ \hline 78 \end{array}$$

1 | 43 + 23 = **66**

2 | 44 + 34 = **78**

3 | 32 + 33 = **65**

4 | 24 + 23 = **47**

5 | 24 + 44 = **68**

6 | 42 + 32 = **74**

7 | 34 + 42 = **76**

8 | 33 + 22 = **55**

9 | 24 + 43 = **67**

10 | 23 + 22 = **45**

Question Practice Resources

Question 9   -   I can solve any 2 digit + 2 digit

Big Maths **Repeat** Questions

Step 2	Addition Column Methods

I can solve any 2d + 2d

Example

$$\begin{array}{r} 76 \\ +\ 48 \\ \hline 124 \\ \end{array}$$
1

1 34 + 74

2 25 + 96

3 90 + 17

4 56 + 88

5 77 + 50

6 73 + 53

7 72 + 80

8 45 + 78

9 67 + 69

10 34 + 71

Step 2	Addition Column Methods

I can solve any 2d + 2d

Example

$$\begin{array}{r} 76 \\ +\ 48 \\ \hline 124 \\ \end{array}$$
1

1   34 + 74 = **108**

2   25 + 96 = **121**

3   90 + 17 = **107**

4   56 + 88 = **144**

5   77 + 50 = **127**

6   73 + 53 = **126**

7   72 + 80 = **152**

8   45 + 78 = **123**

9   67 + 69 = **136**

10   34 + 71 = **105**

Question Practice Resources

Question 10 -   I can solve a 2 digit - 2 digit

Big Maths

Repeat Questions

Subtraction Column Methods

I can solve a 2d - 2d

Example

$$
\begin{array}{r}
96 \\
- \ 42 \\
\hline
54
\end{array}
$$

1 55 - 22

2 45 - 11

3 64 - 43

4 89 - 14

5 55 - 21

6 93 - 32

7 46 - 20

8 79 - 18

9 64 - 43

10 77 - 26

Repeat Answers

I can solve a 2d - 2d

Example

```
    96
-   42
_____
    54
```

1 55 - 22 = **33**

2 45 - 11 = **34**

3 64 - 43 = **21**

4 89 - 14 = **75**

5 55 - 21 = **34**

6 93 - 32 = **61**

7 46 - 20 = **26**

8 79 - 18 = **61**

9 64 - 43 = **21**

10 77 - 26 = **51**