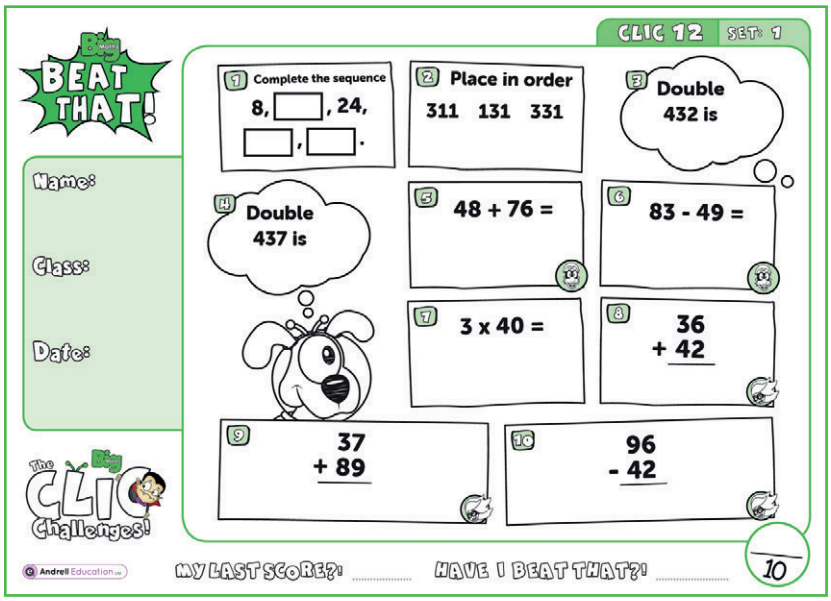
A Guide for Home Learning

CLIC 12

Introduction - 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 partition a 1dp number

Question 2
I can understand 3d numbers

Question 3
I can double 3d numbers

Question 4
I can write Smile Multiplication Fact Families

Question 5
I can solve 3d + 3d

Question 6
I can solve 1d x 2d (2, 3, 4, 5x tables)

Question 7
I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Question 8
I can solve any 3d + 3d

Question 9
I can solve a 2d x 1d

Question 10
I can solve a 2d ÷ 1d (using x2, 3, 4, 5) with no remainders inside the question

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:

1 4.6

2 Place in order

311 131 331

3 Double 437 is

4 Write the fact family for

4 x 30 = 120

.....

.....

.....

5 431 + 325 =

6 3 x 82 =

7 53 ÷ 4 =

8

686
+ 549

9

35
x 5

10

3 | 69

The Big Maths CLIC Challenges!

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

10

Big Maths BEAT THAT!

Name:

Class:

Date:

1

4.6

4 0.6

2 Place in order

311 131 331

131 311 331

3

Double 437 is

874

4 Write the fact family for

4 x 30 = 120

30 x 4 = 120

120 ÷ 30 = 4

120 ÷ 4 = 30

5 431 + 325 =

756

6 3 x 82 =

246

7 53 ÷ 4 =

13 r 1

8

686
+ 549
1235

9

35
x 5
175

10

23
3|69

The Big Maths CLIC Challenges!

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

10

Question Practice Resources

Question 1 - I can partition a number with 1 decimal place

Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit... with a 'zero-point' in front of it

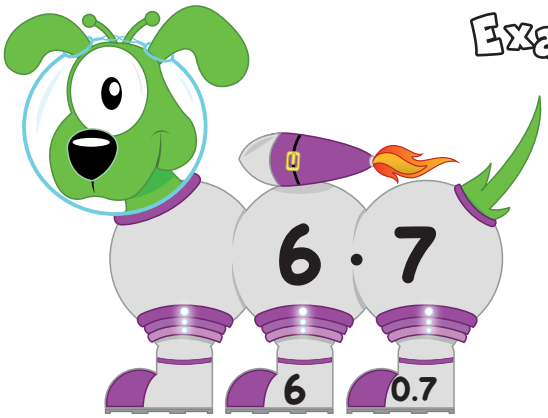
Repeat Questions

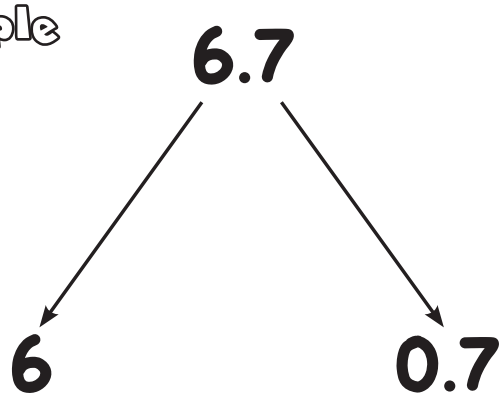
Step 3 — Place Value

I can partition a 1dp number

Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit...
  with 'a zero-point on the front





1. **Partition 2.4**
2. **Partition 5.1**
3. **Partition 3.9**
4. **Partition 9.2**
5. **Partition 8.2**
6. **Partition 4.6**
7. **Partition 5.9**
8. **Partition 1.7**
9. **Partition 9.6**
10. **Partition 5.5**

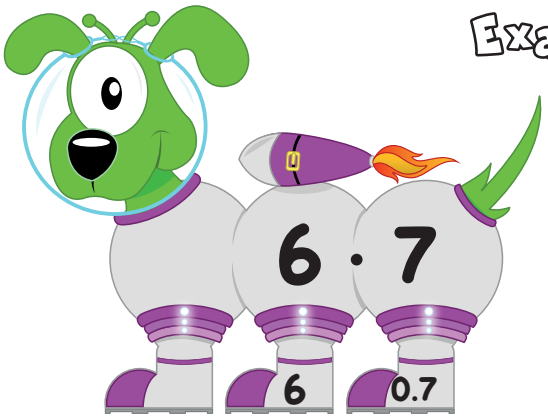
Repeat Answers

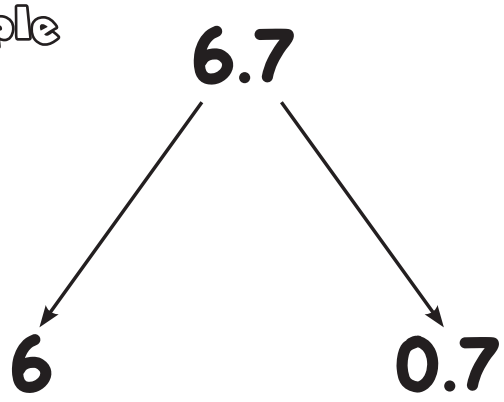
Step 3 — Place Value

I can partition a 1dp number

Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit...
  with 'a zero-point on the front





1. 2, 0.4
2. 5, 0.1
3. 3, 0.9
4. 9, 0.2
5. 8, 0.2
6. 4, 0.6
7. 5, 0.9
8. 1, 0.7
9. 9, 0.6
10. 5, 0.5

Question Practice Resources

Question 2 - I can understand 3 digit 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

Big Maths Repeat Questions

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**

Big Maths 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

Big Maths Revisit Questions

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**

Big Maths Revisit 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. **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

Remember to:

- partition the 3 digit numbers
- double the hundreds
- double the tens
- double the units
- put them back together again

Repeat 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 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

Big Maths Revisit 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 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**

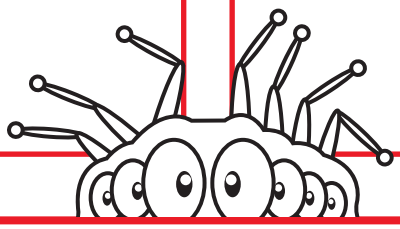
6. **Double 555L is**

7. **Double 843ml is**

8. **Double 723s is**

9. **Double 720mm is**

10. **Double 999kg is**



Revisit Answers

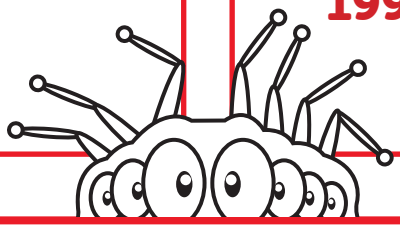
Step 5 — Doubling With Pim (With Crossing 10)

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 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?**

Real Life Maths 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 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 4 - I can write Smile Multiplication Fact Families

Remember to:

- copy the Smile Multiplication fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

Repeat Questions

Step 3

INN: Multiplication

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

$6 \times 80 = 480$

$80 \times 6 = 480$

$480 \div 6 = 80$

$480 \div 80 = 6$

1. $5 \times 40 = 200$
2. $120 \div 60 = 2$
3. $8 \times 30 = 240$
4. $7 \times 80 = 560$
5. $420 \div 7 = 60$
6. $60 \times 4 = 240$
7. $7 \times 30 = 210$
8. $70 \times 5 = 350$
9. $90 \times 4 = 360$
10. $480 \div 8 = 60$

Repeat Answers

Step 3

INN: Multiplication

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

$6 \times 80 = 480$

$80 \times 6 = 480$

$480 \div 6 = 80$

$480 \div 80 = 6$

1. 5 x 40 = 200, 40 x 5 = 200, 200 ÷ 5 = 40, 200 ÷ 40 = 5
2. 120 ÷ 60 = 2, 120 ÷ 2 = 60, 60 x 2 = 120, 2 x 60 = 120
3. 8 x 30 = 240, 30 x 8 = 240, 240 ÷ 8 = 30, 240 ÷ 30 = 8
4. 7 x 80 = 560, 80 x 7 = 560, 560 ÷ 80 = 7, 560 ÷ 7 = 80
5. 420 ÷ 7 = 60, 420 ÷ 60 = 7, 60 x 7 = 420, 7 x 60 = 420
6. 60 x 4 = 240, 4 x 60 = 240, 240 ÷ 60 = 4, 240 ÷ 4 = 60
7. 7 x 30 = 210, 30 x 7 = 210, 210 ÷ 30 = 7, 210 ÷ 7 = 30
8. 70 x 5 = 350, 5 x 70 = 350, 350 ÷ 70 = 5, 350 ÷ 5 = 70
9. 90 x 4 = 360, 4 x 90 = 360, 360 ÷ 90 = 4, 360 ÷ 4 = 90
10. 480 ÷ 8 = 60, 480 ÷ 60 = 8, 60 x 8 = 480, 8 x 60 = 480

Big Maths **Revisit** Questions

Step 3

INN: Multiplication

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

Example

6 x 80 = 480
80 x 6 = 480
480 ÷ 6 = 80
480 ÷ 80 = 6

1. 5m x 40 = 200m
2. 120cm ÷ 60 = 2cm
3. 8km x 30 = 240km
4. 7g x 80 = 560g
5. 420mg ÷ 7 = 60mg
6. 60L x 4 = 240L
7. 7ml x 30 = 210ml
8. 70s x 5 = 350s
9. 90mm x 4 = 360mm
10. 480kg ÷ 8 = 60kg

Big Maths **Revisit** Answers

Step 3 — **INN: Multiplication**

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

Example

6 x 80 = 480
80 x 6 = 480
480 ÷ 6 = 80
480 ÷ 80 = 6

1. 5m x 40 = 200m, 40m x 5 = 200m, 200m ÷ 5 = 40m, 200m ÷ 40 = 5m
2. 120cm ÷ 60 = 2cm, 120cm ÷ 2 = 60cm, 60cm x 2 = 120cm, 2cm x 60 = 120cm
3. 8km x 30 = 240km, 30km x 8 = 240km, 240km ÷ 8 = 30km, 240km ÷ 30 = 8km
4. 7g x 80 = 560g, 80g x 7 = 560g, 560g ÷ 80 = 7g, 560g ÷ 7 = 80g
5. 420mg ÷ 7 = 60mg, 420mg ÷ 60 = 7mg, 60mg x 7 = 420mg, 7mg x 60mg = 420mg
6. 60L x 4 = 240, 4L x 60 = 240L, 240L ÷ 60 = 4L, 240L ÷ 4 = 60L
7. 7ml x 30 = 210ml, 30ml x 7 = 210ml, 210ml ÷ 30 = 7ml, 210ml ÷ 7 = 30ml
8. 70s x 5s = 350s, 5s x 70 = 350s, 350s ÷ 70 = 5s, 350s ÷ 5 = 70s
9. 90mm x 4 = 360mm, 4mm x 90 = 360mm, 360mm ÷ 90mm = 4mm, 360mm ÷ 4mm = 90mm
10. 480kg ÷ 8 = 60kg, 480kg ÷ 60kg = 8kg, 60kg x 8kg = 480kg, 8kg x 60kg = 480kg

Real Life Maths Questions

Step 3

INN: Multiplication

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

1 **Pim has 6 boxes. Each box has 20 sweets. Write out the Smile Multiplication Fact Family.**

2 **There are 4 friends at a party. Each friend gets 70 sweets. Write out the Smile Multiplication Fact Family.**

3 **A box of apples costs £5. Pim buys 60 boxes. Write out the Smile Multiplication Fact Family.**

4 **A box of oranges weighs 8kg. There are 90 boxes. Write out the Smile Multiplication Fact Family.**

5 **Pim has 9 jugs of water. Each jug contains 50L. Write out the Smile Multiplication Fact Family.**

Real Life Maths Answers

Step 3

INN: Multiplication

I can write Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the product to the front, change the symbol and write the 2 switchers

1 **Pim has 6 boxes. Each box has 20 sweets. Write out the Smile Multiplication Fact Family.**

There are 120 sweets in total. 6 x 20 sweets = 120 sweets, 20 x 6 = 120, 120 ÷ 6 = 20, 120 ÷ 20 = 6.

2 **There are 4 friends at a party. Each friend gets 70 sweets. Write out the Smile Multiplication Fact Family.**

There are 280 sweets in total. 4 x 70 sweets = 280 sweets, 70 x 4 = 280, 280 ÷ 70 = 4, 280 ÷ 4 = 70.

3 **A box of apples costs £5. Pim buys 60 boxes. Write out the Smile Multiplication Fact Family.**

It costs £300.

£5 x 60 = £300, 60 x 5 = 300, 300 ÷ 5 = 60, 300 ÷ 60 = 5.

4 **A box of oranges weighs 8kg. There are 90 boxes. Write out the Smile Multiplication Fact Family.**

The total weight is 720kg.

8kg x 90 = 720kg, 90 x 8 = 720, 720 ÷ 90 = 8, 720 ÷ 8 = 90.

5 **Pim has 9 jugs of water. Each jug contains 50L. Write out the Smile Multiplication Fact Family.**

There is 450L in total.

9 x 50L = 450L, 50 x 9 = 450, 450 ÷ 50 = 9, 450 ÷ 9 = 50.

Question Practice Resources

Question 5 - I can solve 3 digit + 3 digit

Remember to:

- add the hundreds
- add the tens
- add the units
- add the totals

Repeat Questions

Step 28 — **Addition**

I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 111 + 603 =
2. 583 + 211 =
3. 278 + 621 =
4. 197 + 602 =
5. 582 + 203 =
6. 500 + 359 =
7. 882 + 110 =
8. 202 + 546 =
9. 757 + 112 =
10. 638 + 100 =

Repeat Answers

Step 28

Addition

I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 111 + 603 = 714
2. 583 + 211 = 794
3. 278 + 621 = 899
4. 197 + 602 = 799
5. 582 + 203 = 785
6. 500 + 359 = 859
7. 882 + 110 = 992
8. 202 + 546 = 748
9. 757 + 112 = 869
10. 638 + 100 = 738

Big Maths Revisit Questions

Step 28 — **Addition**

I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 222m + 615m =

2. 589m + 211m =

3. 278L + 621L =

4. 197cm + 602cm =

5. 582km + 203km =

6. 500s + 359s =

7. 883m + 110m =

8. 206m + 546m =

9. 757kg + 112kg =

10. 648L + 300L =

Big Maths Revisit Answers

Step 28 — **Addition**

I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 222m + 615m = **837m**
2. 589m + 211m = **800m**
3. 278l + 621L = **899L**
4. 197cm + 602cm = **799cm**
5. 582km + 203km = **785km**
6. 500s + 359s = **859s**
7. 883m + 110m = **992m**
8. 206m + 546m = **752m**
9. 757kg + 112kg = **869kg**
10. 648L + 300L = **948L**

Real Life Maths Questions

Step 28 — **Addition**

I can solve 3d + 3d

Remember to:

- add the hundreds
- add the tens
- add the ones (units)
- add the totals

1 **Mully has 321 conkers and his friend gives him 222 more. How many conkers does Mully have?**

2 **Pim has 576 balls. Pom has 421 balls. How many do they have altogether?**

3 **Pom is 443cm tall. Pim is 231cm tall. How tall are they together?**

4 **What is 566 add 323?**

5 **Pom bought books for £212 and toys for £206. How much did he spend?**

Real Life Maths Answers

Step 28 — **Addition**

I can solve 3d + 3d

Remember to:

- add the hundreds
- add the tens
- add the ones (units)
- add the totals

1 **Mully has 321 conkers and his friend gives him 222 more. How many conkers does Mully have?**

Mully has 543 conkers.

2 **Pim has 576 balls. Pom has 421 balls. How many do they have altogether?**

They have 997 balls altogether.

3 **Pom is 443cm tall. Pim is 231cm tall. How tall are they together?**

They are 674cm tall together.

4 **What is 566 add 323?**

The answer is 889.

5 **Pom bought books for £212 and toys for £206. How much did he spend?**

He spent £418.

Big Maths Select Questions

Step 28 — **Addition**

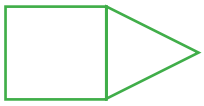
I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the ones
- add the totals

1

The total distance around this square is 440mm. An equilateral triangle is placed against the square as shown. What is the total distance around the shape that has been formed?



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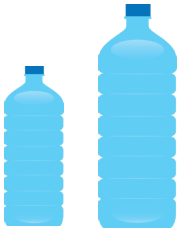
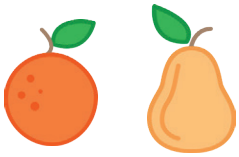


A shop sells bottled water in two sizes. The large bottle has a capacity of 600ml and the small bottle has a capacity of 225ml. Rachel drinks all the water from one small bottle and three quarters of the large bottle. How much water has she drunk?

3



A bag of five medium size oranges weighs 400g. The weight of a large pear is 85g. Josh says that this means that three medium size oranges and three large pears will weigh just under half a kilogram. Do you agree or disagree?

4

What number does the letter m represent?

5

Which is the odd one out?

110g + 240g

$\frac{1}{2}$ kg - 150g

Double 185g

400g - 50g

Select Answers

Step 28

Addition

I can solve 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the ones
- add the totals

1

The total distance around the shape is 770mm.

2

Altogether she has drunk 675ml of water.

3

I agree. The total weight would be 495g.

4

m = 429

5

110g + 240g

$\frac{1}{2}$ kg - 150g

Double 185g

400g - 50g

Question Practice Resources

Question 6 - I can solve 1 digit x 2 digit (2, 3, 4, 5x tables)

Remember to:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

Repeat Questions

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. 2 x 36 =
2. 2 x 97 =
3. 4 x 35 =
4. 3 x 92 =
5. 4 x 22 =
6. 2 x 71 =
7. 4 x 12 =
8. 4 x 49 =
9. 2 x 41 =
10. 4 x 27 =

Repeat Answers

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total)

1. 2 x 36 = 72
2. 2 x 97 = 194
3. 4 x 35 = 140
4. 3 x 92 = 276
5. 4 x 22 = 88
6. 2 x 71 = 142
7. 4 x 12 = 48
8. 4 x 49 = 196
9. 2 x 41 = 82
10. 4 x 27 = 108

Big Maths Revisit Questions

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. **4 x 36m =**
2. **2 x 87cm =**
3. **5 x 35km =**
4. **3 x 92g =**
5. **5mg x 22 =**
6. **2L x 71 =**
7. **4ml x 12ml =**
8. **4s x 49 =**
9. **2 x 41mm =**
10. **4 x 27kg =**

Big Maths Revisit Answers

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total)

1. 4 x 36m = 144m
2. 2 x 87cm = 174cm
3. 5 x 35km = 175km
4. 3 x 92g = 276g
5. 5mg x 22 = 110mg
6. 2L x 71 = 142L
7. 4ml x 12 = 48ml
8. 4s x 49 = 196s
9. 2 x 41mm = 82mm
10. 4 x 27kg = 108kg

Real Life Maths Questions

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember to:

- partition the 2d number
- write out the 2 questions
- times the ones (units)
- times the tens (Smile Multiplication)
- add the answers to find the total

1. **4 friends put together their sweets. They each have 52 sweets. How many are there in total?**

2. **A box of chocolates has 5 options in it. How many chocolates are in 34 boxes?**

3. **A box of oranges weighs 3kg. There are 25 boxes. What is the total weight?**

4. **A jug contains 5L of water. There are 43 jugs. How much water is there in total?**

5. **What is 3 times 44?**

Real Life Maths Answers

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember to:

- partition the 2d number
- write out the 2 questions
- times the ones (units)
- times the tens (Smile Multiplication)
- add the answers to find the total

1 **4 friends put together their sweets. They each have 52 sweets. How many are there in total?**

There are 208 sweets.

2 **A box of chocolates has 5 options in it. How many chocolates are in 34 boxes?**

There are 170 chocolates.

3 **A box of oranges weighs 3kg. There are 25 boxes. What is the total weight?**

The total weight is 75kg.

4 **A jug contains 5L of water. There are 43 jugs. How much water is there in total?**

There is 215L in total.

5 **What is 3 times 44?**

The answer is 132.

Big Maths Select Questions

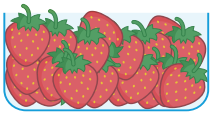
Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1

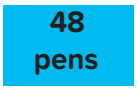


Plastic containers of strawberries are reduced to 89p for a 'quick sale'. Chris wants to make some homemade strawberry jam and so buys five containers. How much change will he get from £5?

2

A pack of three pencils costs 46p. Rachel has £2 to spend on pencils. How many pencils can she buy? What change does she get?

3



In one box there are 48 pens. Jamie buys four boxes because you get an extra box free when you buy four boxes. How many pens is that altogether?

4

A regular pentagon and a square have the same perimeter. If each side of the regular pentagon measures 32cm, then what is the length of the side of the square?

5

Cup cakes are sold in two different sizes – small and large. The large size costs 48p each. James buys four cup cakes – three large and one small. He pays with a £2 coin and gets 26p change. What does a small cup cake cost?

Select Answers

Step 11 — **Multiplication**

I can solve 1d x 2d (2, 3, 4, 5x tables)

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1

He will get 55 pence change.

2

Rachel can buy 4 packs of pencils (12 pencils)
She would get 16 pence in change.

3

That is 240 pens altogether.

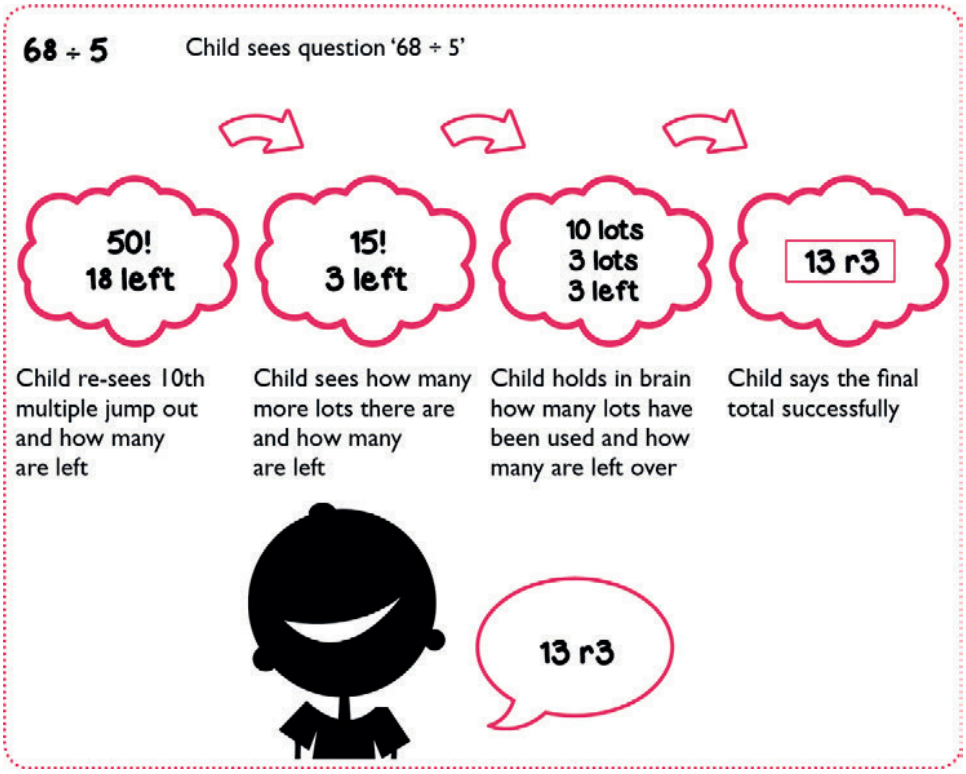
4

The length of one side of the square is 40cm.

5

A small cupcake costs 30p.

Question Practice Resources



Question 7 - I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

Repeat Questions

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1. 38 ÷ 3 =
2. 72 ÷ 5 =
3. 40 ÷ 3 =
4. 73 ÷ 5 =
5. 35 ÷ 2 =
6. 35 ÷ 3 =
7. 66 ÷ 5 =
8. 34 ÷ 3 =
9. 31 ÷ 2 =
10. 37 ÷ 3 =

Repeat Answers

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1. 38 ÷ 3 = 12 r2
2. 72 ÷ 5 = 14 r2
3. 40 ÷ 3 = 13 r1
4. 73 ÷ 5 = 14 r3
5. 35 ÷ 2 = 17 r1
6. 35 ÷ 3 = 11 r2
7. 66 ÷ 5 = 13 r1
8. 34 ÷ 3 = 11 r1
9. 31 ÷ 2 = 15 r1
10. 37 ÷ 3 = 12 r1

Big Maths Revisit Questions

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1. 40m ÷ 3 =

2. 84cm ÷ 5 =

3. 41km ÷ 3 =

4. 73g ÷ 5 =

5. 35mg ÷ 2 =

6. 35L ÷ 3 =

7. 66ml ÷ 5 =

8. 34s ÷ 3 =

9. 31mm ÷ 2 =

10. 37kg ÷ 3 =

Big Maths Revisit Answers

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1. 40m ÷ 3 = 13m r1m
2. 84cm ÷ 5 = 16cm r4cm
3. 41km ÷ 3 = 13km r2km
4. 73g ÷ 5 = 14g r3g
5. 35mg ÷ 2 = 17mg r1mg
6. 35L ÷ 3 = 11L r2L
7. 66ml ÷ 5 = 13ml r1ml
8. 34s ÷ 3 = 11s r1s
9. 31mm ÷ 2 = 15mm r1mm
10. 37kg ÷ 3 = 12kg r1kg

Real Life Maths Questions

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1 **Pim has 23 toys. He shared them between 2 people. How many toys does each person get? How many toys are left over?**

2 **There are 5 people at a party. Pim has 72 sweets to share. How many sweets does each person get? How many sweets are left over?**

3 **Pim has £37. He shares the money between 3 people. How much does each person get? How much money is left?**

4 **Pim has a jug containing 50L of water. He pours it into 4 jugs. How much liquid is in each jug? How much water is left?**

5 **What is 54 shared by 4? What is the remainder?**

Real Life Maths Answers

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1 **Pim has 23 toys. He shared them between 2 people. How many toys does each person get? How many toys are left over?**

Each person gets 11 toys. There is 1 toy left over.

2 **There are 5 people at a party. Pim has 72 sweets to share. How many sweets does each person get? How many sweets are left over?**

Each person gets 14 sweets. There are 2 sweets left over.

3 **Pim has £37. He shares the money between 3 people. How much does each person get? How much money is left?**

Each person gets £12. There is £1 left over.

4 **Pim has a jug containing 50L of water. He pours it into 4 jugs. How much liquid is in each jug? How much water is left?**

There is 12L of water in each jug. There is 2L left over.

5 **What is 54 shared by 4? What is the remainder?**

The answer is 13. The remainder is 2.

Big Maths Select Questions

Step 19 — **Division**

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

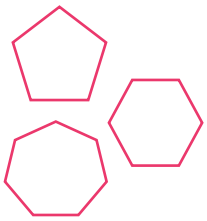
- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1

The red rectangle is 4cm long. What is length of a green rectangle?

2

Annie and Ben are making 2D shapes with different lengths of ribbon. They agree that the lengths of any shapes that they make will be a whole number of centimetres. The shapes will also all be regular. Starting with a length of ribbon 88cm long, what is the largest pentagon they can make?



3

A shops sells packs of apples with three apples in every pack. A teacher has twenty eight pupils in his class. If he wants to give every child two apples each, then how many packs will he have to buy?

4

Which is the odd one out?

100Kg - 72Kg

Double 14000g

(120Kg ÷ 5) + 3Kg

5

Tom looks at the coins he has in his pocket. He says that if he had another 3p, then he could share his money equally between four people. Agree or disagree?

Select Answers

Step 19

Division

I can combine 2 or more Tables Facts to solve division (with remainders) (2, 3, 4, 5x tables)

Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

1

The length of a green rectangle is 7cm.

2

The size of the largest pentagon they can make is 80cm.

3

He would have to buy 19 packs.

4

100Kg - 72Kg **Double 14000g**

(120Kg ÷ 5) + 3Kg

5

Yes, I agree with Tom.

Question Practice Resources

Question 8 - I can solve any 3 digit + 3 digit

Big Maths **Repeat** Questions

Step 6 — **Addition Column Methods**

I can solve any 3d + 3d

Example

$$\begin{array}{r} 686 \\ +\ 549 \\ \hline 1235 \\ \hline {\scriptstyle 1\ 1} \end{array}$$

1. **454 + 823**
2. **566 + 877**
3. **625 + 722**
4. **640 + 732**
5. **100 + 999**
6. **168 + 899**
7. **788 + 324**
8. **335 + 654**
9. **256 + 662**
10. **343 + 989**

Repeat Answers

Step 6 — **Addition Column Methods**

I can solve any 3d + 3d

Example

$$\begin{array}{r} 686 \\ +\ 549 \\ \hline 1235 \\ {\scriptstyle 1\ 1} \end{array}$$

1. 454 + 823 = 1277
2. 566 + 877 = 1443
3. 625 + 722 = 1347
4. 640 + 732 = 1372
5. 100 + 999 = 1099
6. 168 + 899 = 1067
7. 788 + 324 = 1112
8. 335 + 654 = 989
9. 256 + 662 = 918
10. 343 + 989 = 1332

Question Practice Resources

Question 9 - I can combine 2 digit x 1 digit (using column method)

Big Maths Repeat Questions

Step 1 **Multiplication Column Methods**

I can solve a 2d x 1d

Example

$$\begin{array}{r} {}^{2}35 \\ \times\ 5 \\ \hline 175 \end{array}$$

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**

Repeat Answers

Step 1 — **Multiplication Column Methods**

I can solve a 2d x 1d

Example

$$\begin{array}{r} {}^{2}35 \\ \times\ 5 \\ \hline 175 \end{array}$$

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

Question 10 - I can solve 2 digit ÷ 1 digit (using x2, 3, 4, 5) with no remainders

Big Maths Repeat Questions

Step 1

Division Column Methods

I can solve a 2d ÷ 1d (using x 2,3,4,5) No remainders inside the question

Example

$$3 \overline{)69}$$ = 23

1. 48 ÷ 2
2. 96 ÷ 3
3. 10 ÷ 2
4. 55 ÷ 5
5. 69 ÷ 3
6. 88 ÷ 4
7. 30 ÷ 3
8. 46 ÷ 2
9. 39 ÷ 3 =
10. 44 ÷ 4 =

Repeat Answers

Step 1

Division Column Methods

I can solve a 2d ÷ 1d (using x 2,3,4,5) No remainders inside the question

Example

$$\begin{array}{r} 23 \\ 3\,\overline{)\,69} \end{array}$$

1. 48 ÷ 2 = 24
2. 96 ÷ 3 = 32
3. 10 ÷ 2 = 5
4. 55 ÷ 5 = 11
5. 69 ÷ 3 = 23
6. 88 ÷ 4 = 22
7. 30 ÷ 3 = 10
8. 46 ÷ 2 = 23
9. 39 ÷ 3 = 13
10. 44 ÷ 4 = 11