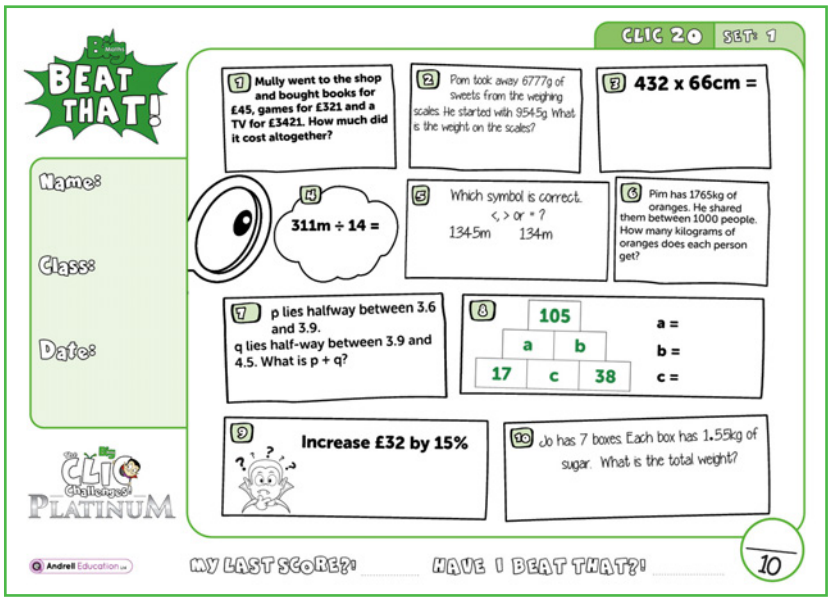
Big Maths

A Guide for Home Learning

CLIC 20

Introduction - CLIC 20

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 solve additions with several numbers

Question 2
I can solve subtraction with large numbers

Question 3
I can show my understanding for 2d x 3d

Question 4
I can combine 2 or more Coin Facts to solve division (with remainders)

Question 5
I can understand numbers with different decimal places

Question 6
I can multiply whole numbers and decimals by 1000

Question 7
I can Prove It! - 6

Question 8
I can solve additions with several numbers

Question 9
I can find a new value if given a percentage increase

Question 10
I can solve 1d x 1d.2dp

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 20

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:

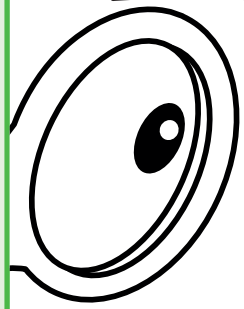
Class:

Date:

1 **Mully went to the shop and bought books for £45, games for £321 and a TV for £3421. How much did it cost altogether?**

2 Pom took away 6777g of sweets from the weighing scales. He started with 9545g. What is the weight on the scales?

3 **432 x 66cm =**



4 **311m ÷ 14 =**

5 Which symbol is correct...

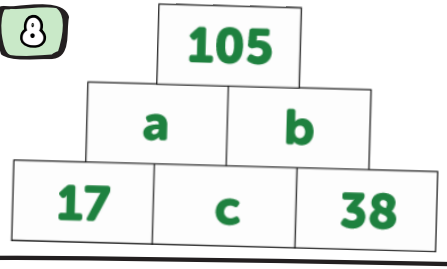
<, > or = ?

134.5m 134m

6 Pim has 1765kg of oranges. He shared them between 1000 people. How many kilograms of oranges does each person get?

7 **p lies halfway between 3.6 and 3.9.**
q lies half-way between 3.9 and 4.5. What is p + q?

8



a =

b =

c =

9 **Increase £32 by 15%**

10 Jo has 7 boxes. Each box has 1.55kg of sugar. What is the total weight?

The Big Maths CLIC Challenges! PLATINUM

Andrell Education Ltd

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

10

Big Maths BEAT THAT!

Name:

Class:

Date:

1 **Mully went to the shop and bought books for £45, games for £321 and a TV for £3421. How much did it cost altogether?**

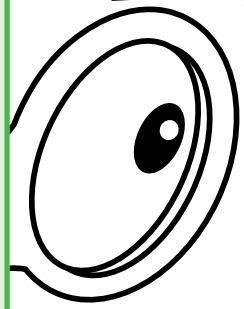
£3,787

2 Pom took away 6777g of sweets from the weighing scales. He started with 9545g. What is the weight on the scales?

2,768g

3 **432 x 66cm =**

28,512cm



4 **311m ÷ 14 =**

22m r 3m

5 Which symbol is correct...

<, > or = ?

134.5m 134m

>

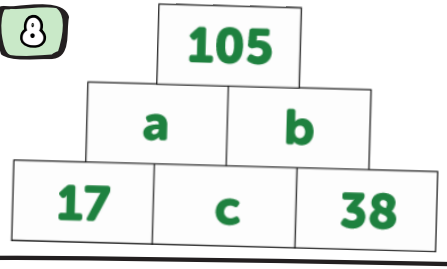
6 Pim has 1765kg of oranges. He shared them between 1000 people. How many kilograms of oranges does each person get?

1.765kg

7 **p lies halfway between 3.6 and 3.9.**
q lies half-way between 3.9 and 4.5. What is p + q?

7.95

8



a = 42

b = 63

c = 25

9 **Increase £32 by 15%**

£36.80

10 Jo has 7 boxes. Each box has 1.55kg of sugar. What is the total weight?

10.85kg

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

10

Question Practice Resources

Question 1 - I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

Big Maths Repeat Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

1. **154 + 326 + 53 =**

2. **986 + 4 + 27 =**

3. **64 + 700 + 36 =**

4. **530 + 72 + 9 =**

5. **429 + 419 + 409 =**

6. **210 + 210 + 67 =**

7. **799 + 5 + 100 =**

8. **125 + 275 + 500 =**

9. **8 + 62 + 98 =**

10. **23 + 230 + 203 =**

Repeat Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

1. 154 + 326 + 53 = **533**
2. 986 + 4 + 27 = **1017**
3. 64 + 700 + 36 = **800**
4. 530 + 72 + 9 = **611**
5. 429 + 419 + 409 = **1257**
6. 210 + 210 + 67 = **487**
7. 799 + 5 + 100 = **904**
8. 125 + 275 + 500 = **900**
9. 8 + 62 + 98 = **168**
10. 23 + 230 + 203 = **456**

Big Maths **Repeat** Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

1. **555 + 111 + 99 =**

2. **920 + 540 + 11 =**

3. **639 + 140 + 56 + 411 =**

4. **540 + 19 + 81 =**

5. **600 + 640 + 680 =**

6. **52 + 59 + 71 =**

7. **23 + 450 + 936 =**

8. **25 + 734 + 189 =**

9. **643 + 436 + 463 =**

10. **21 + 22 + 23 =**

Repeat Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

1. 555 + 111 + 99 = **765**
2. 920 + 540 + 11 = **1471**
3. 639 + 140 + 56 + 411 = **1246**
4. 540 + 19 + 81 = **640**
5. 600 + 640 + 680 = **1920**
6. 52 + 59 + 71 = **182**
7. 23 + 450 + 936 = **1409**
8. 25 + 734 + 189 = **948**
9. 643 + 436 + 463 = **1542**
10. 21 + 22 + 23 = **66**

Big Maths Revisit Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the units

1. **256m + 554m + 76m =**

2. **900cm + 8cm + 27cm =**

3. **69mm + 711mm + 36mm =**

4. **530l + 72l + 9l =**

5. **429kg + 419kg + 409kg =**

6. **210km + 210km + 67km =**

7. **799kg + 5kg + 100kg =**

8. **125kg + 275kg + 500kg =**

9. **8l + 62l + 98l =**

10. **23s + 230s + 203s =**

Big Maths Revisit Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the units

1. 256m + 554m + 76m = **886m**
2. 900cm + 8cm + 77cm = **985cm**
3. 69mm + 711mm + 36mm = **816mm**
4. 530l + 72l + 9l = **611l**
5. 429kg+ 419kg+ 409kg= **1257kg**
6. 210km + 210km + 67km = **487km**
7. 799kg + 5kg + 100kg = **904kg**
8. 125kg + 275kg + 500kg = **900kg**
9. 8l + 62l + 98l = **168l**
10. 23s + 230s + 203s = **456s**

Big Maths Revisit Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the units

1. **882cm + 312cm + 77cm =**

2. **750s + 900s + 2s =**

3. **943ml + 267ml + 90ml + 633ml =**

4. **76m + 880m + 10m =**

5. **600cm + 640cm + 680cm =**

6. **52mm + 59mm + 71mm =**

7. **23kg + 450kg + 936kg =**

8. **25l + 734l + 189l =**

9. **643km + 436km + 463km =**

10. **21m + 22m + 23m =**

Real Life Maths Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones (units)

1 **Pim has 4532 berries. Pom has 67 berries. Speedy Col has 343 berries. How many do they have altogether?**

2 **Mully went to the shop and bought books for £45, games for £321 and a TV for £3421. How much did it cost altogether?**

3 **Pom made a pile of 7432 sweets. He put 221 more sweets in the pile and then added 22 more. How many are in the pile now?**

4 **There are 8221 strawberries in one jar, 42 strawberries in another jar and 212 strawberries in another jar How many strawberries are there altogether?**

5 **Pom is 3421cm tall. Pim is 764cm tall and Speedy Col is 154cm tall. How tall are they together?**

Real Life Maths Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones (units)

1 **Pim has 4532 berries. Pom has 67 berries. Speedy Col has 343 berries. How many do they have altogether?**

They have 4942 berries altogether.

2 **Mully went to the shop and bought books for £45, games for £321 and a TV for £3421. How much did it cost altogether?**

It cost £3787 altogether.

3 **Pom made a pile of 7432 sweets. He put 221 more sweets in the pile and then added 22 more. How many are in the pile now?**

There are 7675 sweets in the pile.

4 **There are 8221 strawberries in one jar, 42 strawberries in another jar and 212 strawberries in another jar How many sweets are there altogether?**

There are 8475 strawberries altogether.

5 **Pom is 3421cm tall. Pim is 764cm tall and Speedy Col is 154cm tall. How tall are they together?**

They are 4339cm tall together.

Big Maths Revisit Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember To:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the units

1. 882cm + 312cm + 77cm = **1271cm**

2. 750s + 900s + 2s = **1652s**

3. 943ml + 267ml + 90ml + 633ml = **1933ml**

4. 76m + 880m + 10m = **966m**

5. 600cm + 640cm + 680cm = **1920cm**

6. 52mm + 59mm + 71mm = **182mm**

7. 23kg + 450kg + 936kg = **1419kg**

8. 25l + 734l + 189l = **948l**

9. 643km + 436km + 463km = **1542km**

10. 21m + 22m + 23m = **66m**

Real Life Maths Questions

Step 39 — **Addition**

I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones (units)

1 **Pom made a pile of 763 sweets. He put 365 more sweets in the pile and then added 55 more. How many are in the pile now?**

2 **There are 66 sweets in one jar, 22 sweets in another jar and 500 in another jar. How many sweets are there altogether?**

3 **Pom is 32cm tall. Pim is 55cm tall. Mully is 110cm tall. How tall are they together?**

4 **Pim ran 1120m. He had a rest. He ran another 210m and then another 50m. How far did he go in total?**

5 **What is the sum of 1334 and 539 and 65?**

Real Life Maths Answers

Step 39 — **Addition**

I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones (units)

1 **Pom made a pile of 763 sweets. He put 365 more sweets in the pile and then added 55 more. How many are in the pile now?**

There are 1183 sweets in the pile now.

2 **There are 66 sweets in one jar, 22 sweets in another jar and 500 in another jar. How many sweets are there altogether?**

There are 588 sweets altogether.

3 **Pom is 32cm tall. Pim is 55cm tall. Mully is 110cm tall. How tall are they together?**

They are 197cm tall together

4 **Pim ran 1120m. He had a rest. He ran another 210m and then another 50m. How far did he go in total?**

He went 1380m in total.

5 **What is the sum of 1334 and 539 and 65?**

The answer is 1938.

Question Practice Resources

Question 2 - I can solve subtraction with large numbers

Remember to:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

Repeat Questions

Step 36

Subtraction

I can solve subtraction with large numbers

Remember To:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1. 9909 - 269 =

2. 7764 - 5463 =

3. 77402 - 505 =

4. 46276 - 4739 =

5. 43076 - 29897 =

6. 8971 - 860 =

7. 8456 - 1646 =

8. 97685 - 465 =

9. 92079 - 9834 =

10. 52311 - 29138 =

Repeat Answers

Step 36

Subtraction

I can solve subtraction with large numbers

Remember To:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1. 9909 - 269 = 9640
2. 7764 - 5463 = 2301
3. 77402 - 505 = 76897
4. 46276 - 4739 = 41537
5. 43076 - 29897 = 13179
6. 8971 - 860 = 8111
7. 8456 - 1646 = 6810
8. 97685 - 465 = 97220
9. 92079 - 9834 = 82245
10. 52311 - 29138 = 23173

Big Maths Revisit Questions

Step 36 Subtraction

I can solve subtraction with large numbers

Remember To:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1. 6789m - 269m =

2. 8465cm - 5463cm =

3. 89602km - 505km =

4. 59972g - 8779g =

5. 43190mg - 29897mg =

6. 8971L - 860L =

7. 8456ml - 1646ml =

8. 97685s - 465s =

9. 92079mm - 9834mm =

10. 52311kg - 29138kg =

Big Maths Revisit Answers

Step 36 — **Subtraction**

I can solve subtraction with large numbers

Remember To:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1. 6789m - 269m = **6520m**
2. 8465cm - 5463cm = **3002cm**
3. 89602km - 505km = **89097km**
4. 59972g - 8779g = **51193g**
5. 43190mg - 29897mg = **13293mg**
6. 8971L - 860L = **8111L**
7. 8456ml - 1646ml = **6810ml**
8. 97685s - 465s = **97220s**
9. 92079mm - 9834mm = **82245mm**
10. 52311kg - 29138kg = **23173kg**

Real Life Maths Questions

Step 36 — Subtraction

I can solve subtraction with large numbers

Remember to:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1 **Pim has 6773 conkers. He gives Pom 2845 of his conkers. How many conkers does Pim have left?**

2 **Pom is 8362cm tall. Pim is 587cm tall. How much taller is Pom?**

3 **What is 7883 take away 1695?**

4 **Pim had to cycle 3862m. So far he has cycled 478m. What is the total distance he has to go?**

5 **Pom took away 6777g of sweets from the weighing scales. He started with 9545g. What is the weight on the scales?**

Real Life Maths Answers

Step 36

Subtraction

I can solve subtraction with large numbers

Remember to:

- choose a sensible way to create 2 jumps
- find the first gap
- find the second gap
- add the 2 gaps together

1 **Pim has 6773 conkers. He gives Pom 2845 of his conkers. How many conkers does Pim have left?**

Pim has 3928 conkers left.

2 **Pom is 8362cm tall. Pim is 587cm tall. How much taller is Pom?**

Pom is 7775cm taller.

3 **What is 7883 take away 1695?**

The answer is 6188.

4 **Pim had to cycle 3862m. So far he has cycled 478m. What is the total distance he has to go?**

He still has to go 3384m.

5 **Pom took away 6777g of sweets from the weighing scales. He started with 9545g. What is the weight on the scales?**

There is 2768g on the scales.

Question Practice Resources

Question 3 - I can show my understanding for 2d x 3d

Remember to:

- partition the numbers
- set out the grid
- times the ones
- times the tens (Smile Multiplication)

Big Maths **Repeat** Questions

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember To:

- partition the numbers
- set out the grid
- times the units
- times the tens (Smile Multiplication)

1. **25 x 543 =**

2. **432 x 24 =**

3. **213 x 64 =**

4. **856 x 28 =**

5. **56 x 986 =**

6. **98 x 463 =**

7. **23 x 143 =**

8. **546 x 42 =**

9. **375 x 42 =**

10. **500 x 41 =**

Big Maths **Repeat** Answers

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember To:

- partition the numbers
- set out the grid
- times the units
- times the tens (Smile Multiplication)

1. 25 x 543 = 13,575
2. 432 x 24 = 10,368
3. 213 x 64 = 13,632
4. 856 x 28 = 23,968
5. 56 x 986 = 55,216
6. 98 x 463 = 45,374
7. 23 x 143 = 3289
8. 546 x 42 = 22,932
9. 375 x 42 = 15,750
10. 500 x 41 = 20,500

Big Maths Revisit Questions

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember To:

- partition the numbers
- set out the grid
- times the units
- times the tens (Smile Multiplication)

1. **55 x 543m =**
2. **432 x 66cm =**
3. **215km x 76 =**
4. **826g x 30 =**
5. **77 x 686mg =**
6. **98 x 463L =**
7. **23ml x 143 =**
8. **546s x 42 =**
9. **375 x 42mm =**
10. **500 x 41kg =**

Big Maths Revisit Answers

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember To:

- partition the numbers
- set out the grid
- times the units
- times the tens (Smile Multiplication)

1. 55 x 543m = **29865m**
2. 432 x 66cm = **28512cm**
3. 215km x 76 = **16340km**
4. 826g x 30 = **24780g**
5. 77 x 686mg = **52822mg**
6. 98 x 463L = **45374L**
7. 23ml x 143 = **3289ml**
8. 546s x 42 = **22932s**
9. 375 x 42mm = **15750mm**
10. 500 x 41kg = **20500kg**

Real Life Maths Questions

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember to:

- partition the numbers
- set out the grid
- times the ones (units)
- times the tens (Smile Multiplication)

1. **78 friends put together their sweets. They each have 456 sweets. How many are there in total?**

2. **A box has 99 apples in it. How many apples are in 232 boxes?**

3. **Mully wants to buy 432 boxes of chocolates. Each box costs £11. How much does it cost in total?**

4. **I have 66 jars of jam. Each jar weighs 343g. What is the total weight?**

5. **Pom swims 232 lengths of 88m. How far does he swim?**

Real Life Maths Answers

Step 19 — **Multiplication**

I can show my understanding for 2d x 3d

Remember to:

- partition the numbers
- set out the grid
- times the ones (units)
- times the tens (Smile Multiplication)

1. **78 friends put together their sweets. They each have 456 sweets. How many are there in total?**

   There are 35568 sweets in total.

2. **A box has 99 apples in it. How many apples are in 232 boxes?**

   There are 22968 apples in total.

3. **Mully wants to buy 432 boxes of chocolates. Each box costs £11. How much does it cost in total?**

   It costs £4752.

4. **I have 66 jars of jam. Each jar weighs 343g. What is the total weight?**

   The total weight is 22638g.

5. **Pom swims 232 lengths of 88m. How far does he swim?**

   He swims 20416m.

Question Practice Resources

Question 4 - I can combine 2 or more Coin Facts to solve division (with remainders)

Remember to:

- write out your full Coin Card for 2d number
- add coin pieces until you have found the target number
- find the total amount of 'lots of' used
- find the remainder

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 Repeat 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. **1.487, 1.48, 1.7, 1.4**

2. **5.62, 7.84, 1.76, 9.49**

3. **8.999, 8.9, 9.01, 9.005**

4. **4.326, 4.32, 4.2, 4.113**

5. **3.99, 3.999, 3.9, 3.95**

6. **5.77, 7.555, 5.757, 7.5**

7. **6.22, 5.221, 4.1, 7.32**

8. **9.34, 8.345, 3.4, 6.57**

9. **2.34, 2.3, 2.276, 2.8**

10. **5.49, 5.495, 5.4, 5.48**

Repeat 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. **1.4, 1.48, 1.487, 1.7**
2. **1.76, 5.62, 7.84, 9.49**
3. **8.9, 8.999, 9.005, 9.01**
4. **4.113, 4.2, 4.32, 4.326**
5. **3.9, 3.95, 3.99, 3.999**
6. **5.757, 5.77, 7.5, 7.555**
7. **4.1, 5.221, 6.22, 7.32**
8. **3.4, 6.57, 8.345, 9.34**
9. **2.276, 2.3, 2.34, 2.8**
10. **5.4, 5.48, 5.49, 5.495**

Big Maths Repeat 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 Place in ascending order:

1.444 1.3 1.61

2 Place in ascending order:

6.444 6.434 6.45

3 Place in descending order:

4.75 8.651 6.1

4 Place in ascending order:

8.024 8.001 8.124

5 Place in ascending order:

5.24 5.23 5.32

6 Place in descending order:

7.41 2.354 8.41

7 Place in descending order:

6.140 6.143 6.231

8 Place in ascending order:

0.006 0.004 0.007

9 Place in ascending order:

4.75 4.65 4.623

10 Place in descending order:

4.999 5.999 4.888

Big Maths Repeat 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 Place in ascending order:

1.444 1.3 1.61

1.3 1.444 1.61

2 Place in ascending order:

6.444 6.434 6.45

6.434 6.444 6.45

3 Place in descending order:

4.75 8.651 6.1

8.651 6.1 4.75

4 Place in ascending order:

8.024 8.001 8.124

8.001 8.024 8.124

5 Place in ascending order:

5.24 5.23 5.32

5.23 5.24 5.32

6 Place in descending order:

7.41 2.354 8.41

8.41 7.41 2.354

7 Place in descending order:

6.140 6.143 6.231

6.143 6.140 6.231

8 Place in ascending order:

0.006 0.004 0.007

0.004 0.006 0.007

9 Place in ascending order:

4.75 4.65 4.623

4.623 4.65 4.75

10 Place in descending order:

4.999 5.999 4.888

5.999 4.999 4.888

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**

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. **1.487m, 1.48m, 1.7m, 1.4m**

2. **5.62cm, 7.84cm, 1.76cm, 9.49cm**

3. **8.999km, 8.9km, 9.01km, 9.005km**

4. **4.326g, 4.32g, 4.2g, 4.113g**

5. **3.99mg, 3.999mg, 3.9mg, 3.95mg**

6. **5.77L, 7.555L, 5.757L, 7.5L**

7. **6.22ml, 5.221ml, 4.1ml, 7.32ml**

8. **9.34s, 8.345s, 3.4s, 6.57s**

9. **2.34mm, 2.3mm, 2.276mm, 2.8mm**

10. **5.49kg, 5.495kg, 5.4kg, 5.48kg**

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. **1.4m, 1.48m, 1.487m, 1.7m**

2. **1.76cm, 5.62cm, 7.84cm, 9.49cm**

3. **8.9km, 8.999km, 9.005km, 9.01km**

4. **4.113g, 4.2g, 4.32g, 4.326g**

5. **3.9mg, 3.95mg, 3.99mg, 3.999mg**

6. **5.757L, 5.77L, 7.5L, 7.555L**

7. **4.1ml, 5.221ml, 6.22ml, 7.32ml**

8. **3.4s, 6.57s, 8.345s, 9.34s**

9. **2.276mm, 2.3mm, 2.34mm, 2.8mm**

10. **5.4kg, 5.48kg, 5.49kg, 5.495kg**

Question Practice Resources

Question 5 - 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 Repeat 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. **1.487, 1.48, 1.7, 1.4**

2. **5.62, 7.84, 1.76, 9.49**

3. **8.999, 8.9, 9.01, 9.005**

4. **4.326, 4.32, 4.2, 4.113**

5. **3.99, 3.999, 3.9, 3.95**

6. **5.77, 7.555, 5.757, 7.5**

7. **6.22, 5.221, 4.1, 7.32**

8. **9.34, 8.345, 3.4, 6.57**

9. **2.34, 2.3, 2.276, 2.8**

10. **5.49, 5.495, 5.4, 5.48**

Repeat 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. **1.4, 1.48, 1.487, 1.7**
2. **1.76, 5.62, 7.84, 9.49**
3. **8.9, 8.999, 9.005, 9.01**
4. **4.113, 4.2, 4.32, 4.326**
5. **3.9, 3.95, 3.99, 3.999**
6. **5.757, 5.77, 7.5, 7.555**
7. **4.1, 5.221, 6.22, 7.32**
8. **3.4, 6.57, 8.345, 9.34**
9. **2.276, 2.3, 2.34, 2.8**
10. **5.4, 5.48, 5.49, 5.495**

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**

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. **1.487m, 1.48m, 1.7m, 1.4m**

2. **5.62cm, 7.84cm, 1.76cm, 9.49cm**

3. **8.999km, 8.9km, 9.01km, 9.005km**

4. **4.326g, 4.32g, 4.2g, 4.113g**

5. **3.99mg, 3.999mg, 3.9mg, 3.95mg**

6. **5.77L, 7.555L, 5.757L, 7.5L**

7. **6.22ml, 5.221ml, 4.1ml, 7.32ml**

8. **9.34s, 8.345s, 3.4s, 6.57s**

9. **2.34mm, 2.3mm, 2.276mm, 2.8mm**

10. **5.49kg, 5.495kg, 5.4kg, 5.48kg**

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. **1.4m, 1.48m, 1.487m, 1.7m**

2. **1.76cm, 5.62cm, 7.84cm, 9.49cm**

3. **8.9km, 8.999km, 9.005km, 9.01km**

4. **4.113g, 4.2g, 4.32g, 4.326g**

5. **3.9mg, 3.95mg, 3.99mg, 3.999mg**

6. **5.757L, 5.77L, 7.5L, 7.555L**

7. **4.1ml, 5.221ml, 6.22ml, 7.32ml**

8. **3.4s, 6.57s, 8.345s, 9.34s**

9. **2.276mm, 2.3mm, 2.34mm, 2.8mm**

10. **5.4kg, 5.48kg, 5.49kg, 5.495kg**

Question Practice Resources

Question 6 - I can divide whole numbers and decimals by 1000

Remember to:

- move the digits three places to the right
- remember that this makes the number 1000 times smaller

Repeat Questions

Step 5 — Dividing by 10

I can divide whole numbers and decimals by 1000

Remember To:

- move the digits three places to the right
- remember that this makes the number 1000 times smaller

1. 1345 ÷ 1000 =

2. 145.5 ÷ 1000 =

3. 4566 ÷ 1000 =

4. 563.3 ÷ 1000 =

5. 9833 ÷ 1000 =

6. 321.2 ÷ 1000 =

7. 5322 ÷ 1000 =

8. 658.8 ÷ 1000 =

9. 41.9 ÷ 1000 =

10. 196.5 ÷ 1000 =

Repeat Answers

Step 5 — Dividing by 10

I can divide whole numbers and decimals by 1000

Remember To:

- move the digits three places to the right
- remember that this makes the number 1000 times smaller

1. 1345 ÷ 1000 = **1.345**
2. 145.5 ÷ 1000 = **0.1455**
3. 4566 ÷ 1000 = **4.566**
4. 563.3 ÷ 1000 = **0.5633**
5. 9833 ÷ 1000 = **9.833**
6. 321.2 ÷ 1000 = **0.3212**
7. 5322 ÷ 1000 = **5.322**
8. 658.8 ÷ 1000 = **0.6588**
9. 41.9 ÷ 1000 = **0.0419**
10. 196.5 ÷ 1000 = **0.1965**

Big Maths Revisit Questions

Step 5 — Dividing by 10

I can divide whole numbers and decimals by 1000

Remember To:

- move the digits three places to the right
- remember that this makes the number 1000 times smaller

1. 1345m ÷ 1000 =

2. 145.5cm ÷ 1000 =

3. 4566km ÷ 1000 =

4. 563.3g ÷ 1000 =

5. 9833mg ÷ 1000 =

6. 321.2L ÷ 1000 =

7. 5322ml ÷ 1000 =

8. 658.8s ÷ 1000 =

9. 4199mm ÷ 1000 =

10. 196.5s ÷ 1000 =

Big Maths **Revisit** Answers

Step 5 — **Dividing by 10**

I can divide whole numbers and decimals by 1000

Remember To:

- move the digits three places to the right
- remember that this makes the number 1000 times smaller

1. 1345m ÷ 1000 = **1.345m**
2. 145.5cm ÷ 1000 = **0.1455cm**
3. 4566km ÷ 1000 = **4.566km**
4. 563.3g ÷ 1000 = **0.5633g**
5. 9833mg ÷ 1000 = **9.833mg**
6. 321.2L ÷ 1000 = **0.3212L**
7. 5322ml ÷ 1000 = **5.322ml**
8. 658.8s ÷ 1000 = **0.6588s**
9. 4199mm ÷ 1000 = **4.199mm**
10. 196.5s ÷ 1000 = **0.1965s**

Real Life Maths Questions

Step 5 — **Dividing by 10**

I can divide whole numbers and decimals by 1000

Remember to:

- move the digits three place to the right
- remember that this makes the number 1000 times smaller

1 **Pim has 1765kg of oranges. He shared them between 1000 people. How many kilograms of oranges does each person get?**

2 **Pom has 4389kg of rocks. He shares them into 1000 piles. How many kilograms of rocks are in each pile?**

3 **Count Fourways ran 7587km in total. He did 1000 laps. How far was each lap?**

4 **Mully has a barrel containing 343.9L of Coca Cola. He pours it into 1000 cups. How much Coca Cola is in each cup?**

5 **What is 157.5 shared by 1000?**

Real Life Maths Answers

Step 5 — **Dividing by 10**

I can divide whole numbers and decimals by 1000

Remember to:

- move the digits three place to the right
- remember that this makes the number 1000 times smaller

1 **Pim has 1765kg of oranges. He shared them between 1000 people. How many kilograms of oranges does each person get?**

Each person gets 1.765kg of oranges.

2 **Pom has 4389kg of rocks. He shares them into 1000 piles. How many kilograms of rocks are in each pile?**

There are 4.389kg of rocks in each pile.

3 **Count Fourways ran 7587km in total. He did 1000 laps. How far was each lap?**

Each lap is 7.587km.

4 **Mully has a barrel containing 343.9L of Coca Cola. He pours it into 1000 cups. How much Coca Cola is in each cup?**

Each cup contains 0.3439L of Coca Cola

5 **What is 157.5 shared by 1000?**

The answer is 0.1575.

Question Practice Resources

Question 7 - I can Prove It! - 6

What Are Prove It! Cards?

Prove It! cards are fun and quick challenges that encourage children to explain their thinking and solve problems.

They are designed to help children become great at reasoning; that means being able to say why something is true, not just what the answer is.

Why Are They Useful?

- They get children talking about maths, not just doing it
- They help build confidence in explaining ideas
- They encourage children to think more deeply about what they know
- They make maths more about understanding than guessing
- Children are then invited to talk, draw, or write their thinking.

What Do They Look Like?

Each card has a short challenge like:

- "Is this always true, sometimes true, or never true?"
- "Can you find another way to solve it?"
- "Explain why this works."
- Children are then invited to talk, draw, or write their thinking.

Think and talk about...

3.68

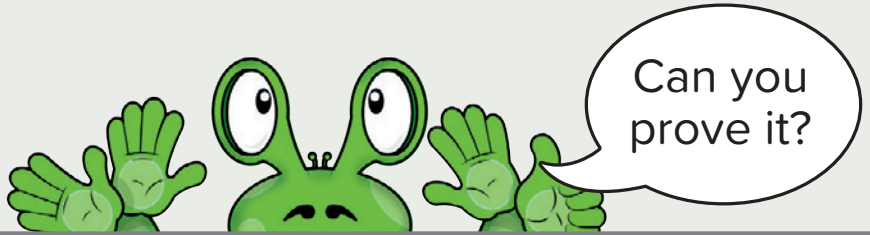
3.9

4.016

p lies half-way between 3.68 and 3.9

q lies half-way between 3.9 and 4.016

What is p + q?



Think and talk about...

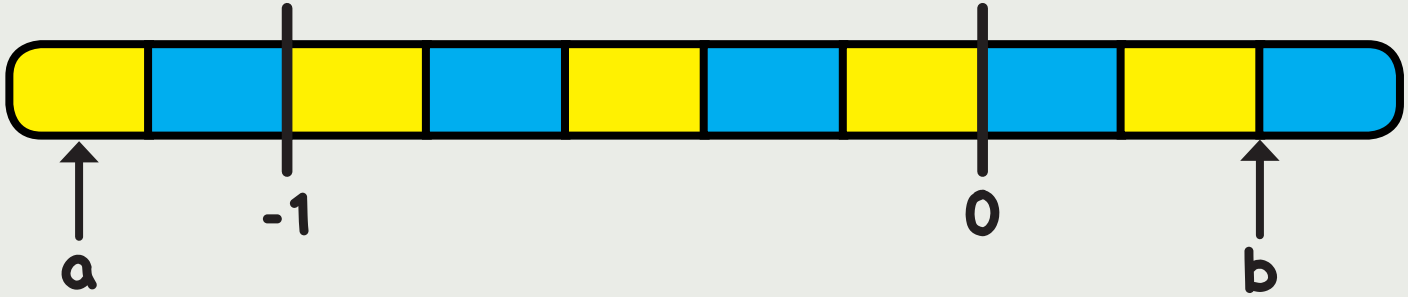
m and n are prime numbers

When m is doubled and then rounded to the nearest 10, the answer is 60.

When n is multiplied by 10 and then rounded to the nearest 100, the answer is 500.

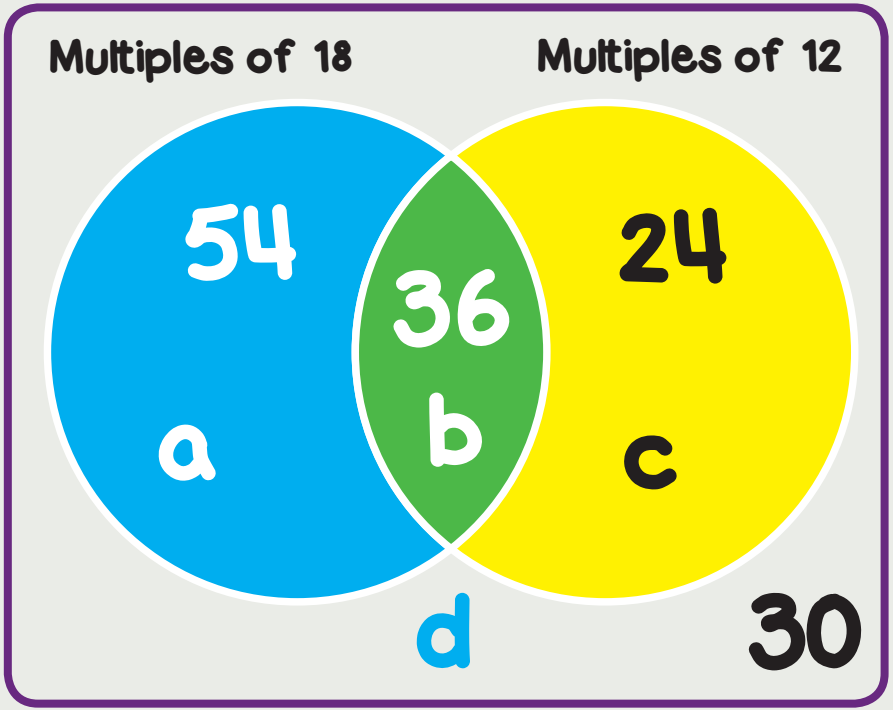
Find possible values of m and n

Think and talk about...



What is the difference between the numbers a and b on this scale?

Think and talk about...



The letters a, b, c and d are numbers!

What numbers could they be?

Think and talk about...

1	3	6	10	15	21
S_1	S_2	S_3	S_4	S_5	S_6

This sequence shows the first six Triangular Numbers.

What is $S_{12} \times S_7$?

Question Practice Resources

Question 8 - I can solve additions with several numbers

Remember to:

- line the numbers up in their columns
- add the thousands
- add the hundreds
- add the tens
- add the ones

Steps 26 - 41

Addition

Steps: 26 - 41

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

In this section, examples can apply to the majority of steps 26 - 41, with values in the questions being adjusted to match the step.

Examples are given for Step 29 - I can solve any 3d + 3d.

1. I think of a number and **subtract 199**. Then I **add 50**. I end up with **211**. What was my number?
2. What numbers could you **add to 284** so that the **tens** digit is **the sum is 0**?
3. What is the **largest** number that you can add to **294** so that the total is still a **3d number?**
4. Which **two** of the following numbers has a total **closest** to 400?
   234, 168, 211, 305, 129
5. What numbers could you add to **527** so that the **sum** of the digits in the answer is 10?
6. Rearrange this digit cards to form a **3d + 3d addition** with an **even** answer, which has a higher number of tens than hundreds. (e.g. 250 + 132 =382)

2	1	5	3	0	2

7. I add a pair of **3d numbers**, and my sum is approximately **300**. What could my numbers have been?
8. Write three **3d + 3d** addition sums, each one harder than the previous, and explain why each is more difficult.
9. Continue the pattern;

   200 + 135 = 335

   199 + 136 = 335

   198 + 137 = 335

   Can you make your own pattern like this?

Steps 26 - 41

Addition

Steps: 26 - 41

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

Find missing numbers:

☐ + 126 = 439

☐ + 231 = 359 + 215

185 + ☐ = 10 x 20 + 20 + 3

☐ + 198 < 300

(How many 3d possibilities?)

10. Pim, Pom and Mully each choose two of the following number cards

241 **328** **199**

and add them together.

- Mully's total is a multiple of 5.
- Pim's total is odd.
- Pom's total is a multiple of ten.
- Which two cards did each person choose?

'The Shuffle'

At Step 29 it is worth ensuring children can spot questions where they can conveniently shuffle part of one number to another in order to see the total more clearly and more quickly. For example with the question 299 + 401 it can be seen that the 1 from 401 can be shuffled neatly over to the 299 so that the question becomes 300 + 400. This skill could be introduced earlier, at Step 25 for example (e.g. 39 + 81). Mini-lines of progression would be to introduce questions where more than 1 can be shuffled (e.g. 298 + 302, 495 + 605, 875 + 125 etc.) or where the shuffling doesn't leave a perfectly round total (e.g. 399 + 602).

Both 'Add some - Do it - Take some' and 'The Shuffle' are 'cool moves' that can then be applied to the remainder of the Addition Progress Drive.

Steps 26 - 41

Addition

Steps: 26 - 41

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

11. Odd one out and why?

300 + 20 + 1

150 + 171

211 + 110

75 + 100 + 60 + 75 + 11

201 + 121

12. A TV costs £ ▲, a bike costs £ ■ and a tent costs £ ⬣.

If these are expressions for the total amount I have spent, what did I buy each time?

▲ + ⬣ + ▲

■ + ■ + 3 ⬣

4 (▲ + ⬣)

2 ■ + 3 (■ + ⬣)

Do you know which of these shopping trips was the most expensive? (because you don't)

13. Complete this cool maths square so that all rows, columns and diagonals add up to the same number;

		225
	224	**226**
		221

What is the quickest way of completing this?

14.

$$\begin{array}{r} 65\square 9 \\ +\ \square 92 \\ \hline 678\square \end{array}$$

15.

$$\begin{array}{r} \square 68 \\ 5\square 2 \\ +\ 65\square \\ \hline \square 564 \end{array}$$

Question Practice Resources

Question 9 - I can find a new value if given a percentage increase

Remember to:

- find the percentage value of the total as normal
- add that value on to the total

Repeat Questions

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 220 by 5%

.....

Increase 420 by 20%

.....

Increase 180 by 10%

.....

Increase 590 by 1%

.....

Increase 360 by 2%

.....

Increase 270 by 50%

.....

Increase 150 by 20%

.....

Increase 390 by 5%

.....

Repeat Answers

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 220 by 5%

231

Increase 420 by 20%

504

Increase 180 by 10%

198

Increase 590 by 1%

595.9

Increase 360 by 2%

367.2

Increase 270 by 50%

405

Increase 150 by 20%

180

Increase 390 by 5%

409.5

Repeat Questions

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 340 by 20%

.....

Increase 570 by 5%

.....

Increase 210 by 2%

.....

Increase 690 by 10%

.....

Increase 180 by 50%

.....

Increase 440 by 1%

.....

Increase 250 by 5%

.....

Increase 670 by 10%

.....

Repeat Answers

Step 11

Percentages

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 340 by 20%

408

Increase 570 by 5%

598.5

Increase 210 by 2%

214.2

Increase 690 by 10%

759

Increase 180 by 50%

270

Increase 440 by 1%

444.4

Increase 250 by 5%

262.5

Increase 670 by 10%

737

Repeat Questions

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 354 by 12%

.....

Increase 570 by 60%

.....

Increase 490 by 70%

.....

Increase 380 by 15%

.....

Increase 232 by 51%

.....

Increase 260 by 52%

.....

Increase 190 by 30%

.....

Increase 454 by 11%

.....

Repeat Answers

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 354 by 12%

396.48

Increase 570 by 60%

912

Increase 490 by 70%

833

Increase 380 by 15%

437

Increase 232 by 51%

350.32

Increase 260 by 52%

395.2

Increase 190 by 30%

247

Increase 454 by 11%

503.94

Repeat Questions

Step 11

Percentages

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 270 by 30%

.....

Increase 560 by 6%

.....

Increase 390 by 11%

.....

Increase 820 by 60%

.....

Increase 450 by 12%

.....

Increase 730 by 7%

.....

Increase 910 by 15%

.....

Increase 640 by 52%

.....

Repeat Answers

Step 11 — **Percentages**

I can find a new value if given a percentage increase

Remember To:

- find the percentage value of the total as normal
- add that value on to the total

Increase 270 by 30%

351

Increase 560 by 6%

593.6

Increase 390 by 11%

432.9

Increase 820 by 60%

1312

Increase 450 by 12%

504

Increase 730 by 7%

781.1

Increase 910 by 15%

1046.5

Increase 640 by 52%

972.8

Question Practice Resources

Question 10 - 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
- add the two totals

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 =**

Big Maths 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?**

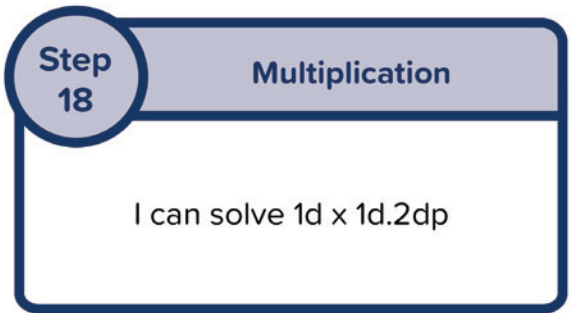
2 **There are 8 people at a party. Each person gets 4.22 sweets. How many sweets are there in total?**

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



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.

Select Questions

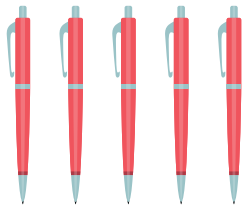
Step 18 — **Multiplication**

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

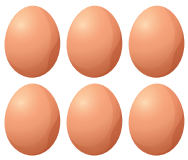


Pens cost £1.46 each. A 10% discount is offered if you buy five pens. What would be the total cost of five pens?

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 36.96m

5

£9.73