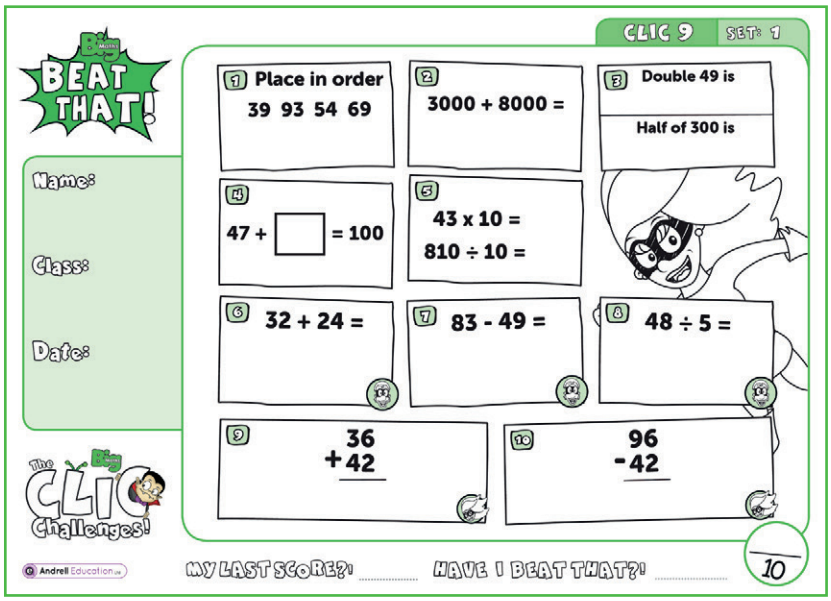
A Guide for Home Learning

CLIC 9

Introduction - CLIC 9

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



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

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

What skill does each question challenge?

Question 1
I can understand 2 digit numbers

Question 2
I can add thousands

Question 3
I can double 2 digit numbers
I know half of 300, 500, 700, 900

Question 4
I can find the missing piece to 100

Question 5
I can multiply whole numbers by 10
I can divide multiples of 10 by 10

Question 6
I can add a 2d number to a 2d number

Question 7
I can solve any 2 digit - 2 digit

Question 8
I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Question 9
I can solve a 2 digit + 2 digit

Question 10
I can solve a 2 digit - 2 digit

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 9

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

Big Maths BEAT THAT!

Name:

Class:

Date:

1 Place in order

39 93 54 69

2

3000 + 8000 =

3 Double 49 is

Half of 300 is

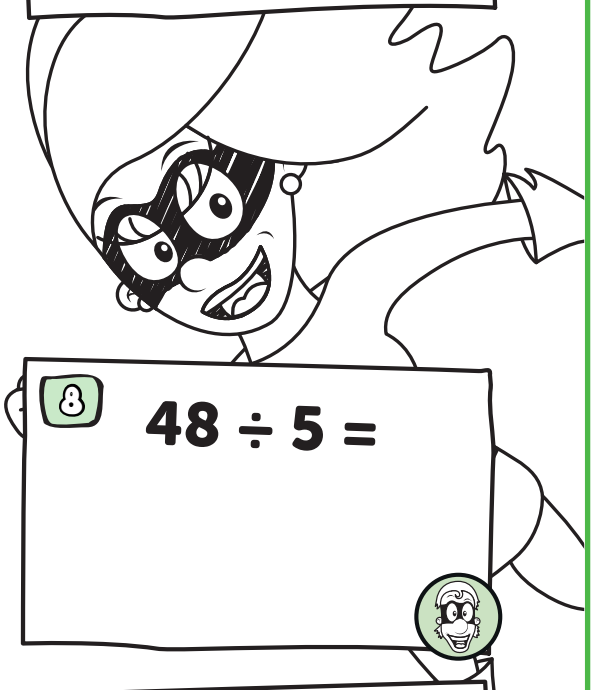
4

47 + ☐ = 100

5

43 x 10 =

810 ÷ 10 =



6 32 + 24 =

7 83 - 49 =

8 48 ÷ 5 =

9

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

10

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

The Big Maths CLIC Challenges!

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

10

Big Maths BEAT THAT!

CLIC 9 SET: 1

Name:

Class:

Date:

1 Place in order

39 93 54 69

39 54 69 93

2

3000 + 8000 =

11000

3 Double 49 is

98

Half of 300 is

150

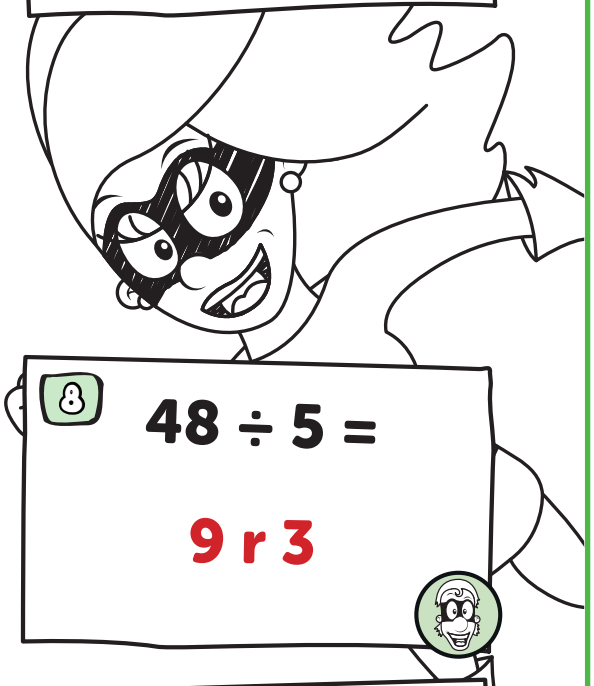
4

47 + 53 = 100

5

43 x 10 = 430

810 ÷ 10 = 81



6 32 + 24 =

56

7 83 - 49 =

34

8 48 ÷ 5 =

9 r 3

9

36
+42

78

10

96
-42

54

The Big Maths CLIC Challenges!

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

10

Question Practice Resources

Question 1 - I can understand 2 digit numbers

Remember to:

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

Repeat Questions

Step 3

Mastery of Numbers

I can understand 2d numbers

Remember To:

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

1. **42, 84, 11, 22**

2. **99, 98, 44, 42**

3. **77, 66, 88, 44**

4. **32, 24, 56, 48**

5. **82, 83, 94, 88**

6. **11, 12, 17, 14**

7. **44, 47, 46, 43**

8. **63, 43, 53, 54**

9. **78, 75, 76, 77**

10. **22, 27, 23, 10**

Big Maths Repeat Answers

Step 3

Mastery of Numbers

I can understand 2d numbers

Remember To:

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

1. **11, 22, 42, 84**
2. **42, 44, 98, 99**
3. **44, 66, 77, 88**
4. **24, 32, 48, 56**
5. **82, 83, 88, 94**
6. **11, 12, 14, 17**
7. **43, 44, 46, 47**
8. **43, 53, 54, 63**
9. **75, 76, 77, 78**
10. **10, 22, 23, 27**

Big Maths Revisit Questions

Step 3 Mastery of Numbers

I can understand 2d numbers

Remember To:

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

1. 32m, 24m, 56m, 48m

2. 99cm, 98cm, 44cm, 42m

3. 11km, 12km, 17km, 14km

4. 42g, 84g, 11g, 22g

5. 63mg, 43mg, 53mg, 54mg

6. 77L, 66L, 88L, 44L

7. 22ml, 27ml, 23ml, 10ml

8. 82s, 83s, 94s, 88s

9. 78mm, 75mm, 76mm, 77mm

10. 44kg, 47kg, 46kg, 43kg

Big Maths Revisit Answers

Step 3 — Mastery of Numbers

I can understand 2d numbers

Remember To:

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

1. 24m, 32m, 48m, 56m
2. 42cm, 44cm, 98cm, 99cm
3. 11km, 12km, 14km, 17km
4. 11g, 22g, 42g, 84g
5. 43mg, 53mg, 54mg, 63mg
6. 44L, 66L, 77L, 88L
7. 10ml, 22ml, 23ml, 27ml
8. 82s, 83s, 88s, 94s
9. 75mm, 76mm, 77mm, 78mm
10. 43kg, 44kg, 46kg, 47kg

Question Practice Resources

Question 2 - I can add thousands

Remember to:

- use your addition Learn Its
- swap 'the thing' to a thousand

Repeat Questions

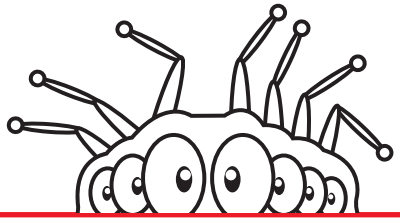
Step 3

INN: Addition and Subtraction

I can add thousands

Remember To:

- use your addition Learn Its
- swap 'the thing' to a thousand



1. 3000 + 2000 =

2. 4000 + 5000 =

3. 1000 + 1000 =

4. 6000 + 3000 =

5. 7000 + 2000 =

6. 3000 + 2000 =

7. 5000 + 4000 =

8. 1000 + 1000 =

9. 4000 + 4000 =

10. 2000 + 5000 =

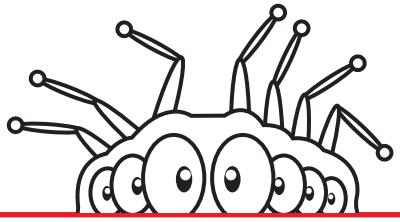
Repeat Answers

Step 3 — **INN: Addition and Subtraction**

I can add thousands

Remember To:

- use your addition Learn Its
- swap 'the thing' to a thousand



1. 3000 + 2000 = 5000
2. 4000 + 5000 = 9000
3. 1000 + 1000 = 2000
4. 6000 + 3000 = 9000
5. 7000 + 2000 = 9000
6. 3000 + 2000 = 5000
7. 5000 + 4000 = 9000
8. 1000 + 1000 = 2000
9. 4000 + 4000 = 8000
10. 2000 + 5000 = 7000

Big Maths **Revisit** Questions

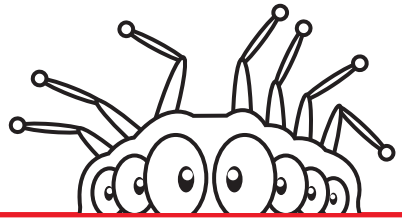
Step 3

INN: Addition and Subtraction

I can add thousands

Remember To:

- use your addition Learn Its
- swap 'the thing' to a thousand



1 **3000m + 2000m =**

2 **4000cm + 5000cm =**

3 **1000km + 1000km =**

4 **6000g + 3000g =**

5 **7000mg + 2000mg =**

6 **3000L + 2000L =**

7 **5000ml + 4000ml =**

8 **1000s + 1000s =**

9 **4000mm + 4000mm =**

10 **2000kg + 5000kg =**

Big Maths **Revisit** Answers

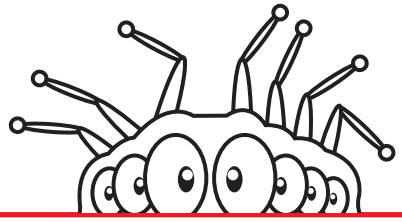
Step 3

INN: Addition and Subtraction

I can add thousands

Remember To:

- use your addition Learn Its
- swap 'the thing' to a thousand



1. 3000m + 2000m = **5000m**
2. 4000cm + 5000cm = **9000cm**
3. 1000km + 1000km = **2000km**
4. 6000g + 3000g = **9000g**
5. 7000mg + 2000mg = **9000mg**
6. 3000L + 2000L = **5000L**
7. 5000ml + 4000ml = **9000ml**
8. 1000s + 1000s = **2000s**
9. 4000mm + 4000mm = **8000mm**
10. 2000kg + 5000kg = **7000kg**

Real Life Maths Questions

Step 3

INN: Addition and Subtraction

I can add thousands

Remember to:

- use your Addition Learn Its
- swap 'the thing' to a thousand

1 **Pim has 4000 rocks and his friend gives him 3000 more. How many rocks does Pim have?**

2 **There are 8000 marbles in one jar and 5000 marbles in another jar. How many marbles are there altogether?**

3 **Mully bought a car for £9000 and accessories for £3000. How much did it cost altogether?**

4 **Pom is 5000cm tall. Pim is 3000cm tall. How tall are they together?**

5 **What is 8000 add 7000?**

Real Life Maths Answers

Step 3

INN: Addition and Subtraction

I can add thousands

Remember to:

- use your Addition Learn Its
- swap 'the thing' to a thousand

1 **Pim has 4000 rocks and his friend gives him 3000 more. How many rocks does Pim have?**

Pim has 7000 rocks.

2 **There are 8000 marbles in one jar and 5000 marbles in another jar. How many marbles are there altogether?**

There are 13000 marbles.

3 **Mully bought a car for £9000 and accessories for £3000. How much did it cost altogether?**

It cost £12000 altogether.

4 **Pom is 5000cm tall. Pim is 3000cm tall. How tall are they together?**

They are 8000cm tall together.

5 **What is 8000 add 7000?**

The answer is 15000.

Question Practice Resources

Question 3.1 - I can double 2 digit numbers

Remember to:

- partition the 2d number
- double the tens
- double the units
- put them back together again

Question 3.2 - I know half of 300, 500, 700, 900

Remember to:

- learn that half of 300 is 150, 500 is 250, 700 is 350, 900 is 450

Repeat Questions

Step 3 — **Doubling With Pim (With Crossing 10)**

I can double 2d numbers

Remember To:

learn that, double...

- partition the 2d number
- double the tens
- double the units
- put them back together again

1 **Double 88 is**

2 **Double 76 is**

3 **Double 67 is**

4 **Double 79 is**

5 **Double 56 is**

6 **Double 98 is**

7 **Double 69 is**

8 **Double 84 is**

9 **Double 73 is**

10 **Double 99 is**

Repeat Answers

Step 3 — Doubling With Pim (With Crossing 10)

I can double 2d numbers

Remember To:

learn that, double...

- partition the 2d number
- double the tens
- double the units
- put them back together again

1. Double 88 is 176
2. Double 76 is 152
3. Double 67 is 134
4. Double 79 is 158
5. Double 56 is 112
6. Double 98 is 196
7. Double 69 is 138
8. Double 84 is 168
9. Double 73 is 146
10. Double 99 is 198

Big Maths Revisit Questions

Step 3 — **Doubling With Pim (With Crossing 10)**

I can double 2d numbers

Remember To:

learn that, double...

- partition the 2d number
- double the tens
- double the units
- put them back together again

1 **Double 88m is**

2 **Double 76cm is**

3 **Double 67km is**

4 **Double 77g is**

5 **Double 56mg is**

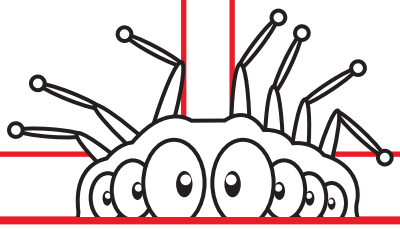
6 **Double 99L is**

7 **Double 69ml is**

8 **Double 84s is**

9 **Double 73mm is**

10 **Double 99kg is**



Revisit Answers

Step 3 — Doubling With Pim (With Crossing 10)

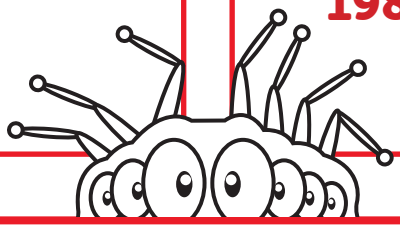
I can double 2d numbers

Remember To:

learn that, double...

- partition the 2d number
- double the tens
- double the units
- put them back together again

1. **Double 88m is 176m**
2. **Double 76cm is 152cm**
3. **Double 67km is 134km**
4. **Double 77g is 154g**
5. **Double 56mg is 112mg**
6. **Double 99L is 198L**
7. **Double 69ml is 138ml**
8. **Double 84s is 168s**
9. **Double 73mm is 146mm**
10. **Double 99kg is 198kg**



Real Life Maths Questions

Step 3 — **Doubling With Pim (With Crossing 10)**

I can double 2d numbers

Remember to:

- partition the 2d number
- double the tens
- double the ones (units)
- put them back together again

1. **Pim has 2 boxes of marbles. Each box contains 65 marbles. How many marbles are there in total?**

2. **There are 87 people at a party. Each person gets 2 pieces of cake. How many slices of cake are there in total?**

3. **A box of Lego costs £78. How much do 2 boxes cost?**

4. **Pim buys 2 boxes of apples. Each box costs £69. How much does it cost in total?**

5. **What is double 99?**

Real Life Maths Answers

Step 3 — **Doubling With Pim (With Crossing 10)**

I can double 2d numbers

Remember to:

- partition the 2d number
- double the tens
- double the ones (units)
- put them back together again

1 **Pim has 2 boxes of marbles. Each box contains 65 marbles. How many marbles are there in total?**

There are 130 marbles in total.

2 **There are 87 people at a party. Each person gets 2 pieces of cake. How many slices of cake are there in total?**

There are 174 pieces of cake.

3 **A box of Lego costs £78. How much do 2 boxes cost?**

They cost £156.

4 **Pim buys 2 boxes of apples. Each box costs £69. How much does it cost in total?**

It costs £138 in total.

5 **What is double 99?**

The answer is 198.

Repeat Questions

Step 3 — Halving With Pim

I know half of 300, 500, 700, 900

Remember To:

learn that, half of...

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1. **Half of 500 is**
2. **Half of 900 is**
3. **Half of 300 is**
4. **Half of 700 is**
5. **Half of 900 is**
6. **Half of 300 is**
7. **Half of 500 is**
8. **Half of 900 is**
9. **Half of 300 is**
10. **Half of 700 is**

Repeat Answers

Step 3 — **Halving With Pim**

I know half of 300, 500, 700, 900

Remember To:

learn that, half of...

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1. **Half of 500 is 250**
2. **Half of 900 is 450**
3. **Half of 300 is 150**
4. **Half of 700 is 350**
5. **Half of 900 is 450**
6. **Half of 300 is 150**
7. **Half of 500 is 250**
8. **Half of 900 is 450**
9. **Half of 300 is 150**
10. **Half of 700 is 350**

Big Maths Revisit Questions

Step 3 — Halving With Pim

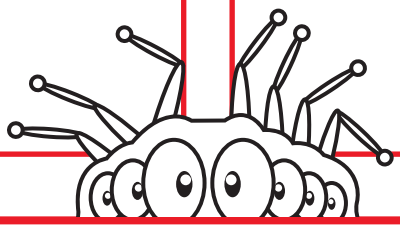
I know half of 300, 500, 700, 900

Remember To:

learn that, half of...

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1. **Half of 500m is**
2. **Half of 900cm is**
3. **Half of 300km is**
4. **Half of 700g is**
5. **Half of 900mg is**
6. **Half of 300L is**
7. **Half of 500ml is**
8. **Half of 900s is**
9. **Half of 300mm is**
10. **Half of 700kg is**



Big Maths Revisit Answers

Step 3 — Halving With Pim

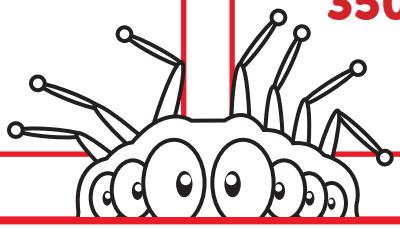
I know half of 300, 500, 700, 900

Remember To:

learn that, half of...

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1. **Half of 500m is 250m**
2. **Half of 900cm is 450cm**
3. **Half of 300km is 150km**
4. **Half of 700g is 350g**
5. **Half of 900mg is 450mg**
6. **Half of 300L is 150L**
7. **Half of 500ml is 250ml**
8. **Half of 900s is 450s**
9. **Half of 300mm is 150mm**
10. **Half of 700kg is 350kg**



Real Life Maths Questions

Step 3 — **Halving With Pim**

I know half of 300, 500, 700, 900

Remember to:

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1. **Pim has 300 cards. He shares them between 2 friends. How many cards does each friend have?**

2. **Pom has 500L of milk. He pours it into 2 barrels. How much milk is in each barrel?**

3. **Mully has 900kg of sugar. He makes two piles. How much sugar is in each pile?**

4. **Pom spends £700 on 2 computers. How much does each computer cost?**

5. **What is half of 300?**

Real Life Maths Answers

Step 3 — **Halving With Pim**

I know half of 300, 500, 700, 900

Remember to:

- 300 is 150
- 500 is 250
- 700 is 350
- 900 is 450

1 **Pim has 300 cards. He shares them between 2 friends. How many cards does each friend have?**

Each friend has 150 cards.

2 **Pom has 500L of milk. He pours it into 2 barrels. How much milk is in each barrel?**

There is 250L of milk in each barrel.

3 **Mully has 900kg of sugar. He makes two piles. How much sugar is in each pile?**

There is 450kg of sugar in each pile.

4 **Pom spends £700 on 2 computers. How much does each computer cost?**

Each computer costs £350.

5 **What is half of 300?**

The answer is 150.

Question Practice Resources

Question 4 - I can find the missing piece to 100

Remember to:

- make the units digit total 10
- make the tens digit total 9

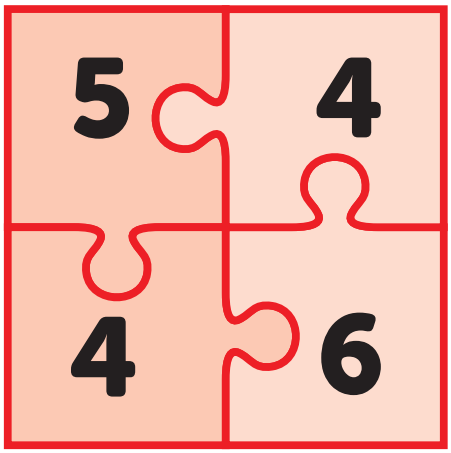
Repeat Questions

Step 3 — **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the units digits total 10
- make the tens digits total 9



= 100

1. 12 + ☐ = 100
2. ☐ + 81 = 100
3. 94 + ☐ = 100
4. 76 + ☐ = 100
5. 47 + ☐ = 100
6. 55 + ☐ = 100
7. ☐ + 43 = 100
8. ☐ + 34 = 100
9. 28 + ☐ = 100
10. ☐ + 14 = 100

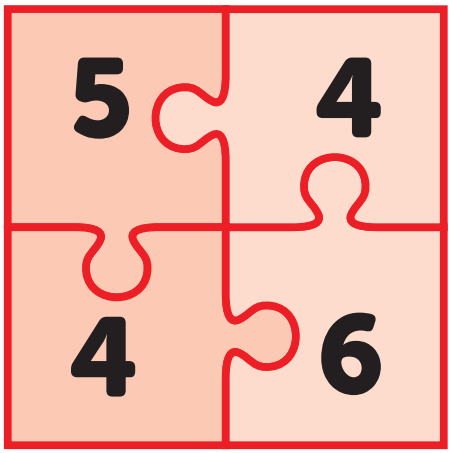
Repeat Answers

Step 3 — **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the units digits total 10
- make the tens digits total 9



= 100

1. 12 + **88** = 100
2. **19** + 81 = 100
3. 94 + **6** = 100
4. 76 + **24** = 100
5. 47 + **53** = 100
6. 55 + **45** = 100
7. **57** + 43 = 100
8. **66** + 34 = 100
9. 28 + **72** = 100
10. **86** + 14 = 100

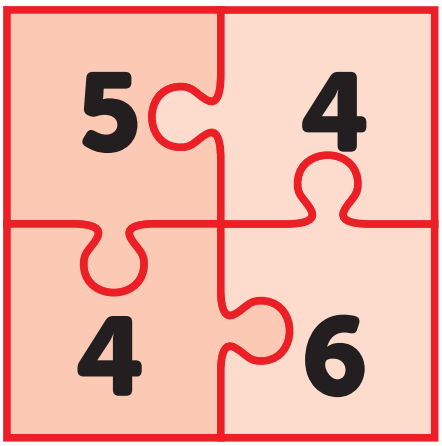
Big Maths Revisit Questions

Step 3 **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the units digits total 10
- make the tens digits total 9



= 100

1. 12m + ☐ = 100m
2. ☐ + 81cm = 100cm
3. 94km + ☐ = 100km
4. 76g + ☐ = 100g
5. 47mg + ☐ = 100mg
6. 55L + ☐ = 100L
7. ☐ + 43ml = 100ml
8. ☐ + 34s = 100s
9. 28mm + ☐ = 100mm
10. ☐ + 14kg = 100kg

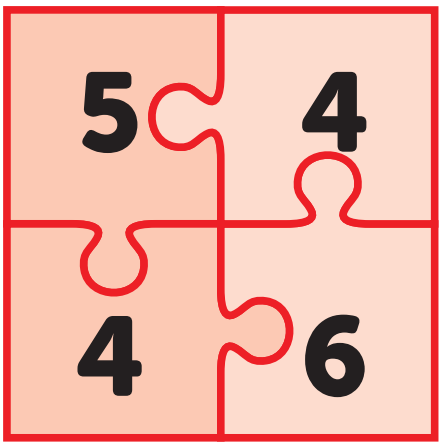
Big Maths **Revisit** Answers

Step 3 **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the units digits total 10
- make the tens digits total 9



= 100

1. 12m + **88m** = 100m
2. **19cm** + 81cm = 100cm
3. 94km + **6km** = 100km
4. 76g + **24g** = 100g
5. 47mg + **53mg** = 100mg
6. 55L + **45L** = 100L
7. **57ml** + 43ml = 100ml
8. **66s** + 34s = 100s
9. 28mm + **72mm** = 100mm
10. **86kg** + 14kg = 100kg

Real Life Maths Questions

Step 3 **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the ones (units) digits total 10
- make the tens digits total 9

1 **Mully wants 100 apples. He has 65 apples. How many more apples does he need?**

2 **Pim wants £100. He has £41. How much more money does he need?**

3 **Speedy Col has a jug containing 37L of water. The jug can hold 100L. How much liquid can she still pour in?**

4 **What is the missing piece: 85 + [ ] = 100?**

5 **Pim drove 64km. He needs to cover 100km in total. How far does he still have to drive?**

Real Life Maths Answers

Step 3 — **INN: Number Bonds to 10**

I can find the missing piece to 100

Remember to:

- make the ones (units) digits total 10
- make the tens digits total 9

1 **Mully wants 100 apples. He has 65 apples. How many more apples does he need?**

He needs 35 more apples.

2 **Pim wants £100. He has £41. How much more money does he need?**

He still needs £59.

3 **Speedy Col has a jug containing 37L of water. The jug can hold 100L. How much liquid can she still pour in?**

She can still pour in 63L of water.

4 **What is the missing piece: 85 + [ ] = 100?**

The missing piece is 15.

5 **Pim drove 64km. He needs to cover 100km in total. How far does he still have to drive?**

He still has to drive 36km.

Question Practice Resources

Question 5.1 - I can multiply whole numbers by 10

Remember to:

- place a zero on the units end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

Question 5.2 - I can divide multiples of 10 by 10

Remember to:

- take the zero off the units end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

Repeat Questions

Step 1 — Multiplying by 10

I can multiply whole numbers by 10

Remember To:

- place a zero on the units end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1. **55 x 10 =**
2. **43 x 10 =**
3. **34 x 10 =**
4. **68 x 10 =**
5. **48 x 10 =**
6. **89 x 10 =**
7. **84 x 10 =**
8. **13 x 10 =**
9. **90 x 10 =**
10. **11 x 10 =**

Repeat Answers

Step 1 — Multiplying by 10

I can multiply whole numbers by 10

Remember To:

- place a zero on the units end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1. 55 x 10 = 550
2. 43 x 10 = 430
3. 34 x 10 = 340
4. 68 x 10 = 680
5. 48 x 10 = 480
6. 89 x 10 = 890
7. 84 x 10 = 840
8. 13 x 10 = 130
9. 90 x 10 = 900
10. 11 x 10 = 110

Big Maths Revisit Questions

Step 1 — Multiplying by 10

I can multiply whole numbers by 10

Remember To:

- place a zero on the units end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1. **55m x 10 =**
2. **43cm x 10 =**
3. **34km x 10 =**
4. **68g x 10 =**
5. **48mg x 10 =**
6. **89L x 10 =**
7. **84ml x 10 =**
8. **13s x 10 =**
9. **90mm x 10 =**
10. **11kg x 10 =**

Revisit Answers

Step 1 — Multiplying by 10

I can multiply whole numbers by 10

Remember To:

- place a zero on the units end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1. 55m x 10 = 550m
2. 43cm x 10 = 430cm
3. 34km x 10 = 340km
4. 68g x 10 = 680g
5. 48mg x 10 = 480mg
6. 89L x 10 = 890L
7. 84ml x 10 = 840ml
8. 13s x 10 = 130s
9. 90mm x 10 = 900mm
10. 11kg x 10 = 110kg

Real Life Maths Questions

Step 1 — **Multiplying by 10**

I can multiply whole numbers by 10

Remember to:

- place a zero on the ones (units) end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1 **Pim has 14 boxes. Each box has 10 sweets. How many sweets are there in total?**

2 **There are 37 people at a party. Each person gets 10 gifts. How many gifts are there in total?**

3 **A box of Lego costs £52. How much do 10 boxes cost?**

4 **A box of oranges weighs 23kg. There are 10 boxes. What is the total weight?**

5 **Pim has 10 jugs of water. Each jug contains 41L. How much water is there in total?**

Real Life Maths Answers

Step 1 — **Multiplying by 10**

I can multiply whole numbers by 10

Remember to:

- place a zero on the ones (units) end
- remember that this moves the digits one place to the left
- remember that this makes the number 10 times bigger

1 **Pim has 14 boxes. Each box has 10 sweets. How many sweets are there in total?**

There are 140 sweets in total.

2 **There are 37 people at a party. Each person gets 10 gifts. How many gifts are there in total?**

There are 370 gifts in total.

3 **A box of Lego costs £52. How much do 10 boxes cost?**

They cost £520.

4 **A box of oranges weighs 23kg. There are 10 boxes. What is the total weight?**

The total weight is 230kg.

5 **Pim has 10 jugs of water. Each jug contains 41L. How much water is there in total?**

There is 410L of water.

Repeat Questions

Step 1 — Dividing by 10

I can divide multiples of 10 by 10

Remember To:

- take the zero off the units end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1. 130 ÷ 10 =
2. 340 ÷ 10 =
3. 550 ÷ 10 =
4. 760 ÷ 10 =
5. 660 ÷ 10 =
6. 110 ÷ 10 =
7. 490 ÷ 10 =
8. 780 ÷ 10 =
9. 390 ÷ 10 =
10. 450 ÷ 10 =

Repeat Answers

Step 1 — Dividing by 10

I can divide multiples of 10 by 10

Remember To:

- take the zero off the units end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1. 130 ÷ 10 = 13
2. 340 ÷ 10 = 34
3. 550 ÷ 10 = 55
4. 760 ÷ 10 = 76
5. 660 ÷ 10 = 66
6. 110 ÷ 10 = 11
7. 490 ÷ 10 = 49
8. 780 ÷ 10 = 78
9. 390 ÷ 10 = 39
10. 450 ÷ 10 = 45

Big Maths Revisit Questions

Step 1 — Dividing by 10

I can divide multiples of 10 by 10

Remember To:

- take the zero off the units end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1. **140m ÷ 10 =**
2. **350cm ÷ 10 =**
3. **570km ÷ 10 =**
4. **870g ÷ 10 =**
5. **540mg ÷ 10 =**
6. **110L ÷ 10 =**
7. **490ml ÷ 10 =**
8. **780s ÷ 10 =**
9. **390mm ÷ 10 =**
10. **450kg ÷ 10 =**

Revisit Answers

Step 1 — Dividing by 10

I can divide multiples of 10 by 10

Remember To:

- take the zero off the units end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1. 140m ÷ 10 = **14m**
2. 350cm ÷ 10 = **35cm**
3. 570km ÷ 10 = **57km**
4. 870g ÷ 10 = **87g**
5. 540mg ÷ 10 = **54mg**
6. 110L ÷ 10 = **11L**
7. 490ml ÷ 10 = **49ml**
8. 780s ÷ 10 = **78s**
9. 390mm ÷ 10 = **39mm**
10. 450kg ÷ 10 = **45kg**

Real Life Maths Questions

Step 1 — **Dividing by 10**

I can divide multiples of 10 by 10

Remember to:

- take the zero off the ones (units) end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1 **Pim has 50 apples. He shared them between 10 people. How many apples does each person get?**

2 **Pom has 70 bottles. He puts them into 10 boxes. How many bottles are in each box?**

3 **A book costs £10. Speedy Col has £30. How many books can she buy?**

4 **Mully has a jug containing 80L of Coca Cola. He pours it into 10 smaller jugs. How much liquid is in each smaller jug?**

5 **What is 20 shared by 10?**

Real Life Maths Answers

Step 1 — **Dividing by 10**

I can divide multiples of 10 by 10

Remember to:

- take the zero off the ones (units) end
- remember that you are moving the digits one place to the right
- remember that this makes the number 10 times smaller

1 **Pim has 50 apples. He shared them between 10 people. How many apples does each person get?**

Each person gets 5 apples.

2 **Pom has 70 bottles. He puts them into 10 boxes. How many bottles are in each box?**

There are 7 bottles in each box.

3 **A book costs £10. Speedy Col has £30. How many books can she buy?**

She can buy 3 books.

4 **Mully has a jug containing 80L of Coca Cola. He pours it into 10 smaller jugs. How much liquid is in each smaller jug?**

Each smaller jug contains 8L of Coca Cola.

5 **What is 20 shared by 10?**

The answer is 2.

Question Practice Resources

Question 6 - I can add a 2 digit number to a 2 digit number

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

Repeat Questions

Step 24 — **Addition**

I can add a 2d number to a 2d number

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. 65 + 10 =
2. 67 + 22 =
3. 57 + 22 =
4. 15 + 61 =
5. 56 + 41 =
6. 77 + 21 =
7. 73 + 21 =
8. 79 + 20 =
9. 42 + 30 =
10. 66 + 11 =

Repeat Answers

Step 24 — **Addition**

I can add a 2d number to a 2d number

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. 65 + 10 = 75
2. 67 + 22 = 89
3. 57 + 22 = 79
4. 15 + 61 = 76
5. 56 + 41 = 97
6. 77 + 21 = 98
7. 73 + 21 = 94
8. 79 + 20 = 99
9. 42 + 30 = 72
10. 66 + 11 = 77

Big Maths Revisit Questions

Step 24 — **Addition**

I can add a 2d number to a 2d number

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. **65mm + 11mm =**
2. **65kg + 22kg =**
3. **57g + 22g =**
4. **15mg + 61mg =**
5. **66m + 41m =**
6. **77g + 21g =**
7. **73km + 21km =**
8. **89mm + 20mm =**
9. **72ml + 20ml =**
10. **96L + 11L =**

Big Maths Revisit Answers

Step 24 — **Addition**

I can add a 2d number to a 2d number

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. 65mm + 11mm = 76mm
2. 65kg + 22kg = 87kg
3. 57g + 22g = 79g
4. 15mg + 61mg = 76mg
5. 66m + 41m = 107m
6. 77g + 21g = 98g
7. 73km + 21km = 94km
8. 89mm + 20mm = 109mm
9. 72ml + 20ml = 92ml
10. 96L + 11L = 107L

Real Life Maths Questions

Step 24 — **Addition**

I can add a 2d number to a 2d number

Remember to:

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

1. **Pim has 32ml of milk in a cup. He adds 43ml more. How much liquid is in the cup?**

2. **Mully bought sweets for 46p and pens for 31p. How much did he spend?**

3. **Speedy Col has 13kg of apples in a pile. She adds 24kg more. What is the weight of the apples?**

4. **What is 51 add 27?**

5. **Pom is 62cm tall. Mully is 25cm tall. How tall are they together?**

Real Life Maths Answers

Step 24 — **Addition**

I can add a 2d number to a 2d number

Remember to:

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

1 **Pim has 32ml of milk in a cup. He adds 43ml more. How much liquid is in the cup?**

There is 75ml of milk in the cup.

2 **Mully bought sweets for 46p and pens for 31p. How much did he spend?**

Mully spent 77p.

3 **Speedy Col has 13kg of apples in a pile. She adds 24kg more. What is the weight of the apples?**

The apples weigh 37kg.

4 **What is 51 add 27?**

There answer is 78.

5 **Pom is 62cm tall. Mully is 25cm tall. How tall are they together?**

They are 87cm tall together.

Big Maths Select Questions

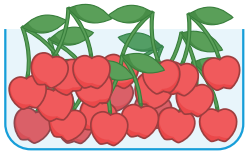
Step 24 — **Addition**

I can add a 2d number to a 2d number

Remember To:

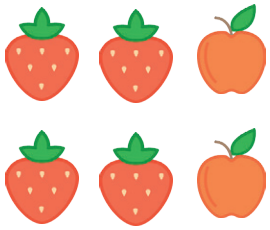
- partition the numbers
- write out the 2 new questions
- add the ones
- add the tens
- add the ones answer to the tens answer

1

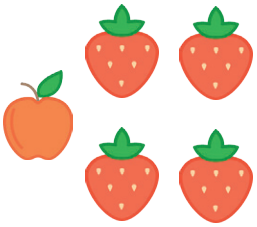


There are forty cherries in this box.
James takes 24 cherries from the box.
Richard takes 9 fewer cherries than James.
How many cherries are left in the box?

2



The total weight of 4 strawberries is 42g. The total weight of the 2 apples is 92g. What is the total weight of 4 strawberries and 1 apple?



3

32p

45p

Is this enough money to buy a rubber and a pencil sharpener?

4

Which is the odd one out?

26p + 52p

Double 38p

5

Oranges cost 35p each. Lemons are 3p cheaper than oranges. What is the total cost of one orange and one lemon?

Select Answers

Step 24

Addition

I can add a 2d number to a 2d number

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 is 1 cherry left in the box.

2

The total weight is 88g.

3

No, it is not enough money as the cost of a rubber and pencil sharpener is 77p.

4

26p + 52p

Double 38p

5

The total cost is 67p.

Question Practice Resources

Question 7 - 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

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 =**

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

Big Maths Revisit 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. **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 =**

Big Maths Revisit 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. 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.

Big Maths Select 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 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?

Select 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

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 8 - I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember to:

- use your Learn Its and Fact Families to give the answer
- say the remainder

Repeat Questions

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1. $8 \div 3 =$
2. $22 \div 3 =$
3. $11 \div 2 =$
4. $11 \div 3 =$
5. $6 \div 5 =$
6. $3 \div 2 =$
7. $7 \div 3 =$
8. $23 \div 4 =$
9. $25 \div 3 =$
10. $19 \div 2 =$

Repeat Answers

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1. $8 \div 3 = 2$ r2
2. $22 \div 3 = 7$ r1
3. $11 \div 2 = 5$ r1
4. $11 \div 3 = 3$ r2
5. $6 \div 5 = 1$ r1
6. $3 \div 2 = 1$r 1
7. $7 \div 3 = 2$ r1
8. $23 \div 4 = 5$ r3
9. $25 \div 3 = 8$ r1
10. $19 \div 2 = 9$ r1

Revisit Questions

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1. 10m ÷ 3 =
2. 20cm ÷ 3 =
3. 11km ÷ 2 =
4. 11g ÷ 3 =
5. 6mg ÷ 5 =
6. 3L ÷ 2 =
7. 7ml ÷ 3 =
8. 23s ÷ 4 =
9. 25mm ÷ 3 =
10. 19kg ÷ 2 =

Revisit Answers

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1. 10m ÷ 3 = 3m r1m
2. 20cm ÷ 3 = 6cm r2cm
3. 11km ÷ 2 = 5km r1km
4. 11g ÷ 3 = 3g r2g
5. 6mg ÷ 5 = 1mg r1mg
6. 3L ÷ 2 = 1L r1L
7. 7ml ÷ 3 = 2ml r1ml
8. 23s ÷ 4 = 5s r3s
9. 25mm ÷ 3 = 8mm r1mm
10. 19kg ÷ 2 = 9kg r1kg

Real Life Maths Questions

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember to:

- use your 'Learn Its' and Fact Families to give the answer.
- say the remainder

1 **Pim has 19 stickers. He shared them between 4 people. How many stickers does each person get? How many stickers are left over?**

2 **There are 3 people at a party. Pim has 16 sweets to share. How many sweets does each person get? How many sweets are left over?**

3 **Pim has £13. He shares the money between 5 people. How much does each person get? How much is left over?**

4 **Pim ran 18km in total. Each lap is 4km. How many full laps did he do? What distance is left over?**

5 **What is 8 shared by 3? What is the remainder?**

Real Life Maths Answers

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember to:

- use your 'Learn Its' and Fact Families to give the answer.
- say the remainder

1 **Pim has 19 stickers. He shared them between 4 people. How many stickers does each person get? How many stickers are left over?**

Each person gets 4 stickers. 3 stickers are left over.

2 **There are 3 people at a party. Pim has 16 sweets to share. How many sweets does each person get? How many sweets are left over?**

Each person gets 5 sweets. The remainder is 1.

3 **Pim has £13. He shares the money between 5 people. How much does each person get? How much is left over?**

Each person gets £2. There is £3 left over.

4 **Pim ran 18km in total. Each lap is 4km. How many full laps did he do? What distance is left over?**

He did 4 laps. There is 2km left over.

5 **What is 8 shared by 3? What is the remainder?**

The answer is 2. The remainder is 2.

Big Maths Select Questions

Step 17 — **Division**

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1

The yellow rectangle is 2cm long. What is length of a blue rectangle?

2

Cup cakes are sold in boxes of four. Thirty children are expected at a birthday party. How many boxes of cup cakes will need to be so there is a cake for every child? If one box costs 50p, then what is the total cost of the cakes?

3

Jenny wants to divide this box of strawberries into groups with the same number in each group. If she tries to make three groups then there is one left over. If she makes four groups then there are the same number of strawberries in each group! How many strawberries in the box?

4

Which is the odd one out?

62p - 50p

(50 ÷ 5) + 2p

$\frac{1}{4}$ of 44p

5

Danny says that you cannot share this amount of money between four people so that they each get the same amount. Do you agree?

Select Answers

Step 17

Division

I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)

Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

1

The length of one blue rectangle is 5cm.

2

8 boxes of cup cakes would need to be bought.
The total cost of all the cupcakes would be £4.00

3

There are 16 strawberries in the box.

4

62p - 50p

(50 ÷ 5) + 2p

$\frac{1}{4}$ of 44p

5

Yes, I agree with Danny as there is 39 pence there.

Question Practice Resources

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

Big Maths Repeat Questions

Step 1 **Addition Column Methods**

I can solve a 2d + 2d

Example

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

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

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

Question Practice Resources

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

Repeat Questions

Step 1 — **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

Step 1 — **Subtraction Column Methods**

I can solve a 2d - 2d

Example

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

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