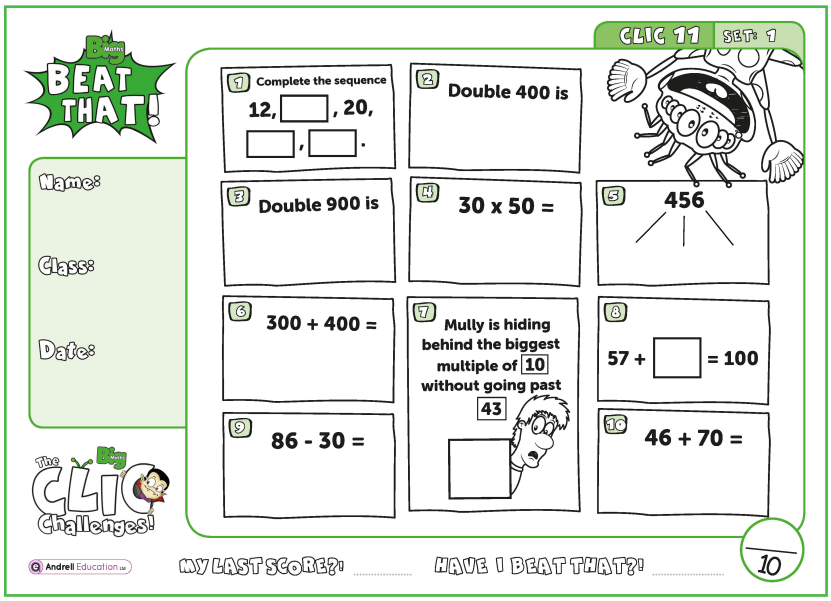
Big Maths

A Guide for Home Learning

CLIC 11

Introduction - CLIC 11

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



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

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

What skill does each question challenge?

Question 1
I can count in 4s

Question 2
I can double 3d multiples of 100 (without crossing 10)

Question 3
I can double 3d multiples of 100 (with crossing 10)

Question 4
I can multiply multiples of 10

Question 5
I can partition a 3d number

Question 6
I can add hundreds

Question 7
I can find Mully using my tables

Question 8
I can find the missing piece to 100

Question 9
I can take a multiple of 10 from any 2d number

Question 10
I can add any 2d tens number to a 2d number

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 11

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:

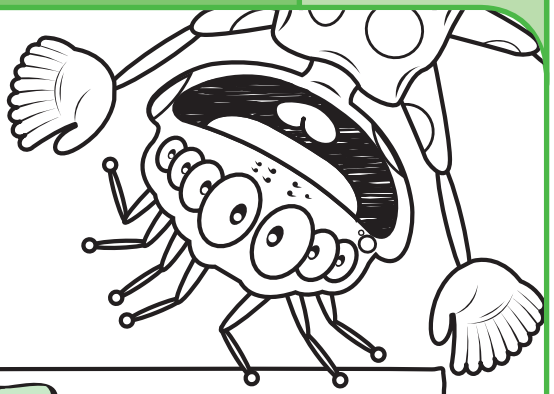
Date:

1 Complete the sequence

12, ☐, 20,

☐, ☐.

2 Double 400 is



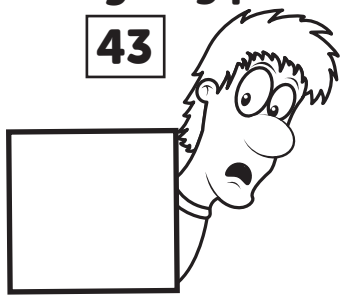
3 Double 900 is

4 30 x 50 =

5 456

6 300 + 400 =

7 Mully is hiding behind the biggest multiple of 10 without going past 43



8 57 + ☐ = 100

9 86 - 30 =

10 46 + 70 =

The Big Maths CLIC Challenges!

Big Maths BEAT THAT!

Name:

Class:

Date:

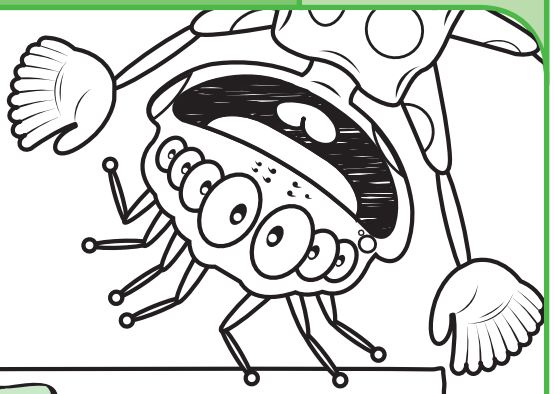
1 Complete the sequence

12, 16, 20,

24, 28.

2 Double 400 is

800



3 Double 900 is

1800

4 30 x 50 =

1500

5 456

400 50 6

6 300 + 400 =

700

7 Mully is hiding behind the biggest multiple of 10 without going past 43

40

8 57 + 43 = 100

9 86 - 30 =

56

10 46 + 70 =

116

The Big Maths CLIC Challenges!

Question Practice Resources

Question 1 - I can count in 4s

Big Maths Repeat Questions

Step 5

Counting Multiples

I can count in 4s

Example

1. 4, 8,
2. 124, 128,
3. 48, 52,
4. 240, 244,
5. 16, 20,
6. 100, 104,
7. 28, 32,
8. 88, 92,
9. 60, 64,
10. 8, 12,

Repeat Answers

Step 5

Counting Multiples

I can count in 4s

Example

1. 4, 8, 12, 16, 20
2. 124, 128, 132, 136, 140
3. 48, 52, 56, 60, 64
4. 240, 244, 248, 252, 256
5. 16, 20, 24, 28, 32
6. 100, 104, 108, 112, 116
7. 28, 32, 36, 40, 44
8. 88, 92, 96, 100, 104
9. 60, 64, 68, 72, 76
10. 8, 12, 16, 20, 24

Big Maths Revisit Questions

Step 5 — Counting Multiples

I can count in 4s

Example

1. 4m, 8m,
2. 124cm, 128cm,
3. 48km, 52km,
4. 240g, 244g,
5. 16mg, 20mg,
6. 100L, 104L,
7. 28ml, 32ml,
8. 88s, 92s,
9. 60mm, 64mm,
10. 8kg, 12kg,

Big Maths Revisit Answers

Step 5

Counting Multiples

I can count in 4s

Example

1. 4m, 8m, **12m, 16m, 20m**
2. 124cm, 128cm, **132cm, 136cm, 140cm**
3. 48km, 52km, **56km, 60km, 64km**
4. 240g, 244g, **248g, 252g, 256g**
5. 16mg, 20mg, **24mg, 28mg, 32mg**
6. 100L, 104L, **108L, 112L, 116L**
7. 28ml, 32ml, **36ml, 40ml, 44ml**
8. 88s, 92s, **96s, 100s, 104s**
9. 60mm, 64mm, **68mm, 72mm, 76mm**
10. 8kg, 12kg, **16kg, 20kg, 24kg**

Question Practice Resources

Question 2 - I can double 3 digit multiples of 100

Remember to:

- learn that double 100 is 200, 200 is 400, 300 is 600, 400 is 800

Repeat Questions

Step 4

Doubling With Pim (Without Crossing 10)

I can double 3d multiples of 100

Remember To:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1 **Double 400 is**

2 **Double 100 is**

3 **Double 300 is**

4 **Double 200 is**

5 **Double 300 is**

6 **Double 100 is**

7 **Double 400 is**

8 **Double 200 is**

9 **Double 100 is**

10 **Double 300 is**

Repeat Answers

Step 4

Doubling With Pim (Without Crossing 10)

I can double 3d multiples of 100

Remember To:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1 **Double 400 is 800**

2 **Double 100 is 200**

3 **Double 300 is 600**

4 **Double 200 is 400**

5 **Double 300 is 600**

6 **Double 100 is 200**

7 **Double 400 is 800**

8 **Double 200 is 400**

9 **Double 100 is 200**

10 **Double 300 is 600**

Big Maths Revisit Questions

Step 4

Doubling With Pim (Without Crossing 10)

I can double 3d multiples of 100

Remember To:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1 **Double 100cm is**

2 **Double 400m is**

3 **Double 100L is**

4 **Double 200g is**

5 **Double 300mg is**

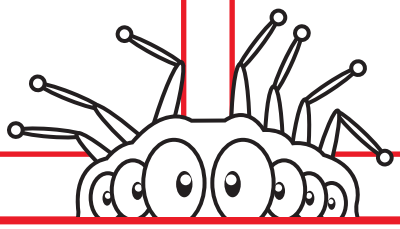
6 **Double 300km is**

7 **Double 400ml is**

8 **Double 200s is**

9 **Double 100mm is**

10 **Double 300kg is**



Revisit Answers

Step 4 — **Doubling With Pim (Without Crossing 10)**

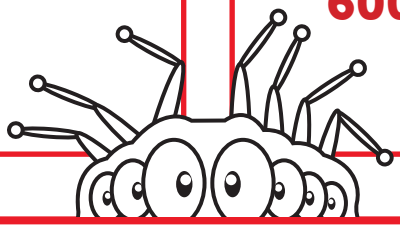
I can double 3d multiples of 100

Remember To:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1. **Double 100cm is 200cm**
2. **Double 400m is 800m**
3. **Double 100L is 200L**
4. **Double 200g is 400g**
5. **Double 300mg is 600mg**
6. **Double 300km is 600km**
7. **Double 400ml is 800ml**
8. **Double 200s is 400s**
9. **Double 100mm is 200mm**
10. **Double 300kg is 600kg**



Real Life Maths Questions

Step 4 — **Doubling With Pim (Without Crossing 10)**

I can double 3d multiples of 100

Remember to:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1 **A set of books costs £300. How much do 2 sets cost?**

2 **There are 200 people at a party. Each person gets 2 pieces of cake. How many pieces of cake are there?**

3 **Pom has 400kg of rocks. He adds another 400kg to the pile. How many kilograms of rocks does Pom have now?**

4 **What is double 100?**

5 **Mully has a barrel of 300L of juice. How much juice is in 2 barrels?**

Real Life Maths Answers

Step 4

Doubling With Pim (Without Crossing 10)

I can double 3d multiples of 100

Remember to:

learn that, double...

- 100 is 200
- 200 is 400
- 300 is 600
- 400 is 800

1 **A set of books costs £300. How much do 2 sets cost?**

They cost £600.

2 **There are 200 people at a party. Each person gets 2 pieces of cake. How many pieces of cake are there?**

There are 400 pieces of cake.

3 **Pom has 400kg of rocks. He adds another 400kg to the pile. How many kilograms of rocks does Pom have now?**

There is 800kg of rocks in the pile.

4 **What is double 100?**

The answer is 200.

5 **Mully has a barrel of 300L of juice. How much juice is in 2 barrels?**

There is 600L of juice in total.

Question Practice Resources

Question 3 - I can double 3 digit multiples of 100

Remember to:

- learn that double 500 is 1000, 600 is 1200, 700 is 1400, 800 is 1600, 900 is 1800

Repeat Questions

Step 4 — Doubling With Pim (With Crossing 10)

I can double 3d multiples of 100

Remember To:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1. **Double 800 is**
2. **Double 500 is**
3. **Double 700 is**
4. **Double 600 is**
5. **Double 900 is**
6. **Double 500 is**
7. **Double 800 is**
8. **Double 400 is**
9. **Double 200 is**
10. **Double 600 is**

Repeat Answers

Step 4 — **Doubling With Pim (With Crossing 10)**

I can double 3d multiples of 100

Remember To:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1. **Double 800 is 1600**
2. **Double 500 is 1000**
3. **Double 700 is 1400**
4. **Double 600 is 1200**
5. **Double 900 is 1800**
6. **Double 500 is 1000**
7. **Double 800 is 1600**
8. **Double 400 is 800**
9. **Double 200 is 400**
10. **Double 600 is 1200**

Big Maths Revisit Questions

Step 4 — **Doubling With Pim (With Crossing 10)**

I can double 3d multiples of 100

Remember To:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1 **Double 900m is**

2 **Double 500cm is**

3 **Double 200km is**

4 **Double 400g is**

5 **Double 800mg is**

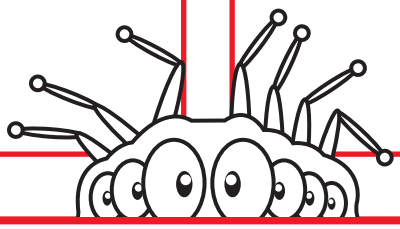
6 **Double 500L is**

7 **Double 800ml is**

8 **Double 700s is**

9 **Double 900mm is**

10 **Double 600kg is**



Revisit Answers

Step 4 — Doubling With Pim (With Crossing 10)

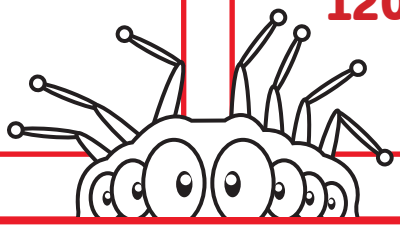
I can double 3d multiples of 100

Remember To:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1. **Double 900m is 1800m**
2. **Double 500cm is 1000cm**
3. **Double 200km is 400km**
4. **Double 400g is 800g**
5. **Double 800mg is 1600mg**
6. **Double 500L is 1000L**
7. **Double 800ml is 1600ml**
8. **Double 700s is 1400s**
9. **Double 900mm is 1800mm**
10. **Double 600kg is 1200kg**



Real Life Maths Questions

Step 4 — **Doubling With Pim (With Crossing 10)**

I can double 3d multiples of 100

Remember to:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1 **Pim has 2 boxes of stickers. Each box contains 500 stickers. How many stickers are there in total?**

2 **There are 700 people at a party. Each person gets 2 sandwiches. How many sandwiches are there in total?**

3 **A car costs £800. How much do 2 cars cost?**

4 **Pim wants to buy 2 bars of gold. Each bar costs £900. How much does it cost in total?**

5 **What is double 600?**

Real Life Maths Answers

Step 4 — **Doubling With Pim (With Crossing 10)**

I can double 3d multiples of 100

Remember to:

learn that, double...

- 500 is 1000
- 600 is 1200
- 700 is 1400
- 800 is 1600
- 900 is 1800

1 **Pim has 2 boxes of stickers. Each box contains 500 stickers. How many stickers are there in total?**

There are 1000 stickers in total.

2 **There are 700 people at a party. Each person gets 2 sandwiches. How many sandwiches are there in total?**

There are 1400 sandwiches in total

3 **A car costs £800. How much do 2 cars cost?**

They cost £1600.

4 **Pim wants to buy 2 bars of gold. Each bar costs £900. How much does it cost in total?**

They cost £1800 in total.

5 **What is double 600?**

The answer is 1200.

Question Practice Resources

Question 4 - I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

Repeat Questions

Step 1 — **INN: Multiplication**

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

3 x 40

3 x 40

12

= 120

1. 3 x 50 =
2. 6 x 30 =
3. 8 x 20 =
4. 9 x 70 =
5. 5 x 10 =
6. 2 x 60 =
7. 7 x 90 =
8. 4 x 80 =
9. 1 x 40 =
10. 3 x 30 =

Repeat Answers

Step 1 — **INN: Multiplication**

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

3 x 40

3 x 40

12

= 120

1. 3 x 50 = 150
2. 6 x 30 = 180
3. 8 x 20 = 160
4. 9 x 70 = 630
5. 5 x 10 = 50
6. 2 x 60 = 120
7. 7 x 90 = 630
8. 4 x 80 = 320
9. 1 x 40 = 40
10. 3 x 30 = 90

Big Maths Revisit Questions

Step 1

INN: Multiplication

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

Example

3 x 40

3 x 40

12

= 120

1. 5m x 50 =
2. 7cm x 30 =
3. 7km x 20 =
4. 6g x 70 =
5. 4mg x 10 =
6. 3L x 60 =
7. 9ml x 90 =
8. 6s x 80 =
9. 2mm x 40 =
10. 9kg x 30 =

Big Maths **Revisit** Answers

Step 1

INN: Multiplication

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

Example

3 x 40

3 x 40

12

= 120

1. 5m x 50 = 250m
2. 7cm x 30 = 210cm
3. 7km x 20 = 160km
4. 6g x 70 = 420g
5. 4mg x 10 = 40mg
6. 3L x 60 = 180L
7. 9ml x 90 = 810ml
8. 6s x 80 = 480s
9. 2mm x 40 = 80mm
10. 9kg x 30 = 270kg

Real Life Maths Questions

Step 1

INN: Multiplication

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

1 **Pim has 3 boxes. Each box has 10 sweets. How many sweets are there in total?**

2 **There are 5 people at a party. Each person gets 60 sweets. How many sweets are there in total?**

3 **A box of oranges costs £4. Pim buys 80 boxes. How much does that cost?**

4 **A box of chocolates weighs 7kg. There are 30 boxes. What is the total weight?**

5 **Pim has 9 jugs of water. Each jug contains 80L. How much is there in total?**

Real Life Maths Answers

Step 1 — **INN: Multiplication**

I can multiply multiples of 10

Remember to:

- remember that you are swapping units for tens
- do the tables bit
- count the zeros in the question
- put the zeros on your answer!

1 **Pim has 3 boxes. Each box has 10 sweets. How many sweets are there in total?**

There are 30 sweets in total.

2 **There are 5 people at a party. Each person gets 60 sweets. How many sweets are there in total?**

There are 300 sweets in total.

3 **A box of oranges costs £4. Pim buys 80 boxes. How much does that cost?**

It costs £320.

4 **A box of chocolates weighs 7kg. There are 30 boxes. What is the total weight?**

The total weight is 210kg.

5 **Pim has 9 jugs of water. Each jug contains 80L. How much is there in total?**

There is 720L.

Question Practice Resources

Question 5 - I can partition a 3 digit number

Remember to:

- write the 3d number
- draw the sticks
- copy the units digit
- copy the tens digit with a zero on the end
- copy the hundreds digit with 2 zeroes on the end

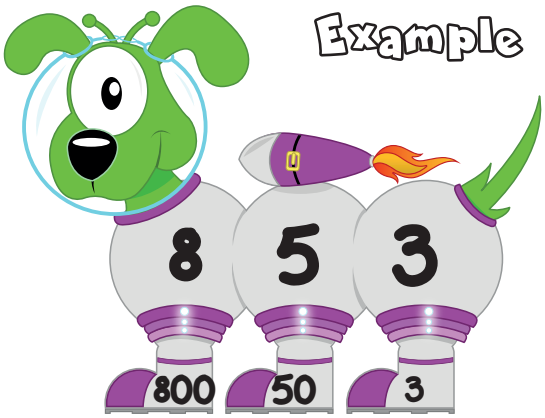
Big Maths Repeat Questions

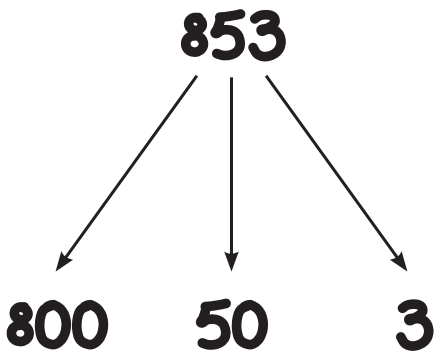
Step 2 — Place Value

I can partition a 3d number, then a 4d number

Remember to:

- write the 3d number
- draw the sticks
- copy the units digit
- copy the tens digit... with a zero on the end
- copy the hundreds digit... with 2 zeros on the end





1. **Partition 543**
2. **Partition 185**
3. **Partition 678**
4. **Partition 942**
5. **Partition 479**
6. **Partition 261**
7. **Partition 734**
8. **Partition 530**
9. **Partition 842**
10. **Partition 321**

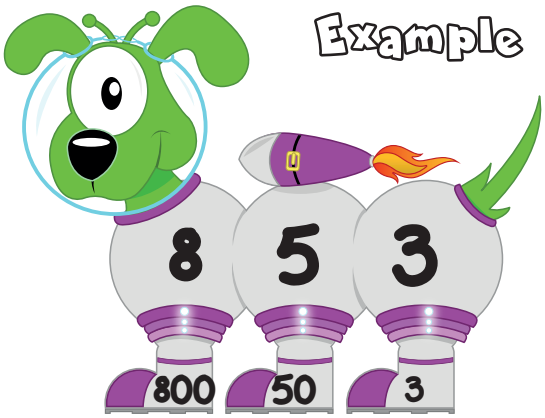
Big Maths Repeat Answers

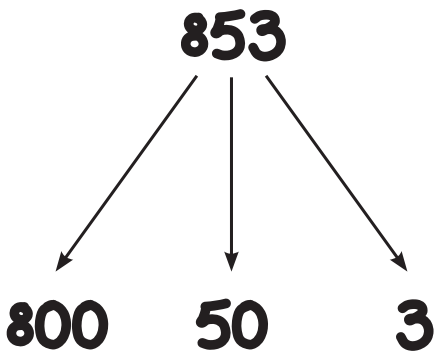
Step 2 — **Place Value**

I can partition a 3d number, then a 4d number

Remember to:

- write the 3d number
- draw the sticks
- copy the units digit
- copy the tens digit... with a zero on the end
- copy the hundreds digit... with 2 zeros on the end





1. 500, 40, 3
2. 100, 80, 5
3. 600, 70, 8
4. 900, 40, 2
5. 400, 70, 9
6. 200, 60, 1
7. 700, 30, 4
8. 500, 30, 0
9. 800, 40, 2
10. 300, 20, 1

Question Practice Resources

Question 6 - I can add hundreds

Remember to:

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

Repeat Questions

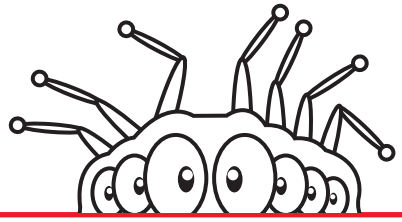
Step 2

INN: Addition and Subtraction

I can add hundreds

Remember To:

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



1. 100 + 200 =
2. 300 + 400 =
3. 700 + 200 =
4. 200 + 400 =
5. 800 + 100 =
6. 500 + 300 =
7. 100 + 700 =
8. 400 + 400 =
9. 300 + 200 =
10. 400 + 500 =

Repeat Answers

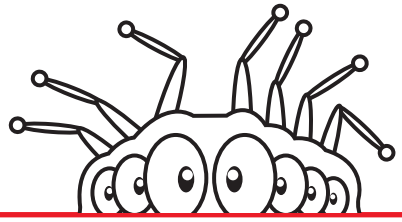
Step 2

INN: Addition and Subtraction

I can add hundreds

Remember To:

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



1. 100 + 200 = 300
2. 300 + 400 = 700
3. 700 + 200 = 900
4. 200 + 400 = 600
5. 800 + 100 = 900
6. 500 + 300 = 800
7. 100 + 700 = 800
8. 400 + 400 = 800
9. 300 + 200 = 500
10. 400 + 500 = 900

Big Maths Revisit Questions

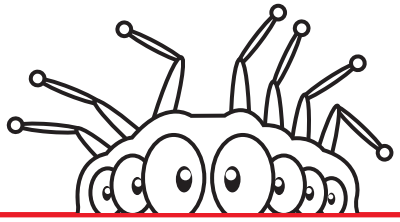
Step 2

INN: Addition and Subtraction

I can add hundreds

Remember To:

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



1. **300m + 300m =**

2. **400cm + 400cm =**

3. **600km + 200km =**

4. **100g + 400g =**

5. **300mg + 100mg =**

6. **500L + 300L =**

7. **100ml + 700ml =**

8. **400s + 400s =**

9. **300mm + 200mm =**

10. **400kg + 500kg =**

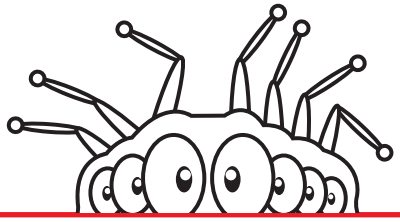
Revisit Answers

Step 2 — **INN: Addition and Subtraction**

I can add hundreds

Remember To:

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



1. 300m + 300m = **600m**
2. 400cm + 400cm = **800cm**
3. 600km + 200km = **800km**
4. 100g + 400g = **500g**
5. 300mg + 100mg = **400mg**
6. 500L + 300L = **800L**
7. 100ml + 700ml = **800ml**
8. 400s + 400s = **800s**
9. 300mm + 200mm = **500mm**
10. 400kg + 500kg = **900kg**

Real Life Maths Questions

Step 2

INN: Addition and Subtraction

I can add hundreds

Remember to:

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

1 **Pim has 300 sweets and his friend gives him 500 more. How many sweets does Pim have?**

2 **There are 800 apples in one barrel and 400 apples in another barrel. How many apples are there altogether?**

3 **Pom bought games for £600 and a ring for £300. How much did he spend?**

4 **Pim drove 900km. He had a rest. He drove another 700km. How far did he drive in total?**

5 **Pom is 600cm tall. Pim is 800cm tall. How tall are they together?**

Real Life Maths Answers

Step 2 — **INN: Addition and Subtraction**

I can add hundreds

Remember to:

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

1 **Pim has 300 sweets and his friend gives him 500 more. How many sweets does Pim have?**

Pim has 800 sweets.

2 **There are 800 apples in one barrel and 400 apples in another barrel. How many apples are there altogether?**

There are 1200 apples altogether.

3 **Pom bought games for £600 and a ring for £300. How much did he spend?**

He spent £900.

4 **Pim drove 900km. He had a rest. He drove another 700km. How far did he drive in total?**

He drove 1600km in total.

5 **Pom is 600cm tall. Pim is 800cm tall. How tall are they together?**

They are 1400cm tall together.

Question Practice Resources

Question 7 - I can find Mully using my tables

Remember to:

- use your tables facts

Repeat Questions

Step 1 — **INN: Finding Multiples**

I can find Mully using my tables

Remember to:

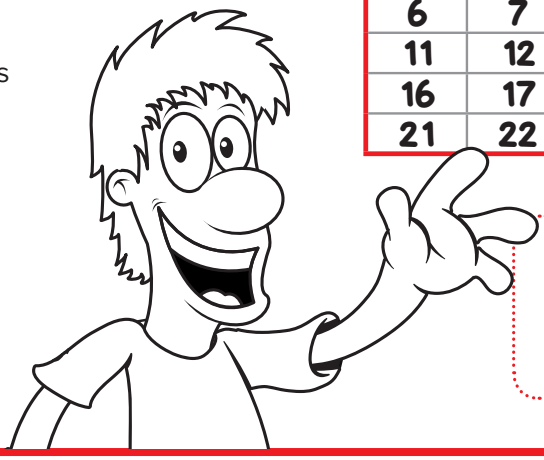
- use your tables facts

Example

He's hiding behind the biggest multiple of 5 without going past 23. So...

Where's Mully?

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25



20

1. He's hiding behind the biggest multiple of 4 without going past 38.
2. He's hiding behind the biggest multiple of 5 without going past 49.
3. He's hiding behind the biggest multiple of 6 without going past 26.
4. He's hiding behind the biggest multiple of 7 without going past 30.
5. He's hiding behind the biggest multiple of 9 without going past 60.
6. He's hiding behind the biggest multiple of 4 without going past 10.
7. He's hiding behind the biggest multiple of 3 without going past 14.
8. He's hiding behind the biggest multiple of 2 without going past 15.
9. He's hiding behind the biggest multiple of 6 without going past 43.
10. He's hiding behind the biggest multiple of 3 without going past 16.

Repeat Answers

Step 1 — **INN: Finding Multiples**

I can find Mully using my tables

Remember to:

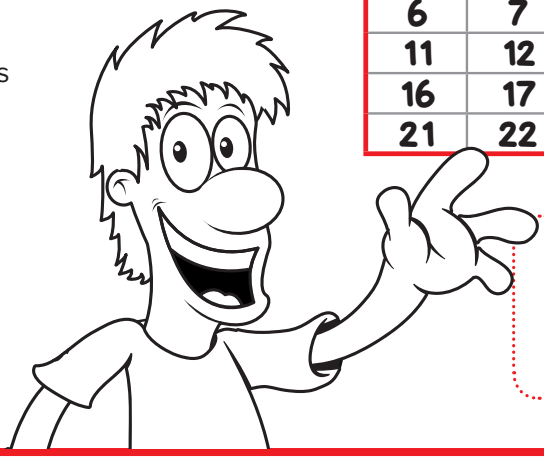
- use your tables facts

Example

He's hiding behind the biggest multiple of 5 without going past 23. So...

Where's Mully?

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25



20

1. He's hiding behind the biggest multiple of 4 without going past 38.
   36
2. He's hiding behind the biggest multiple of 5 without going past 49.
   45
3. He's hiding behind the biggest multiple of 6 without going past 26.
   24
4. He's hiding behind the biggest multiple of 7 without going past 30.
   28
5. He's hiding behind the biggest multiple of 9 without going past 60.
   54
6. He's hiding behind the biggest multiple of 4 without going past 10.
   8
7. He's hiding behind the biggest multiple of 3 without going past 14.
   12
8. He's hiding behind the biggest multiple of 2 without going past 15.
   14
9. He's hiding behind the biggest multiple of 6 without going past 43.
   42
10. He's hiding behind the biggest multiple of 3 without going past 16.
    15

Big Maths Revisit Questions

Step 1 INN: Finding Multiples

I can find Mully using my tables

Remember to:

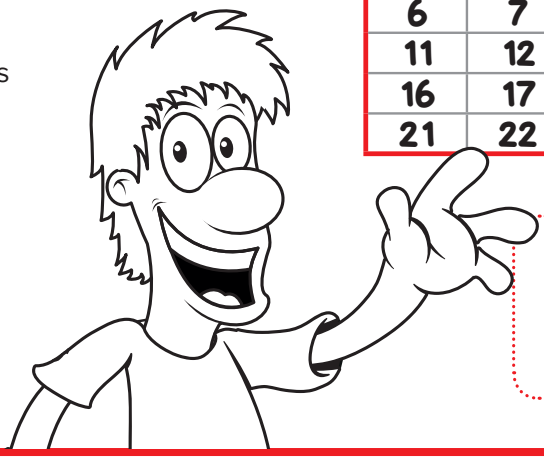
- use your tables facts

Example

He's hiding behind the biggest multiple of 5 without going past 23. So...

Where's Mully?

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25



20

1. He's hiding behind the biggest multiple of 7g without going past 29g
2. He's hiding behind the biggest multiple of 5cm without going past 48cm
3. He's hiding behind the biggest multiple of 4L without going past 10L
4. He's hiding behind the biggest multiple of 4m without going past 37m
5. He's hiding behind the biggest multiple of 2s without going past 15s
6. He's hiding behind the biggest multiple of 6km without going past 25km
7. He's hiding behind the biggest multiple of 3ml without going past 14ml
8. He's hiding behind the biggest multiple of 9mg without going past 64mg
9. He's hiding behind the biggest multiple of 6mm without going past 43mm
10. He's hiding behind the biggest multiple of 3kg without going past 16kg

Big Maths Revisit Answers

Step 1 — **INN: Finding Multiples**

I can find Mully using my tables

Remember to:

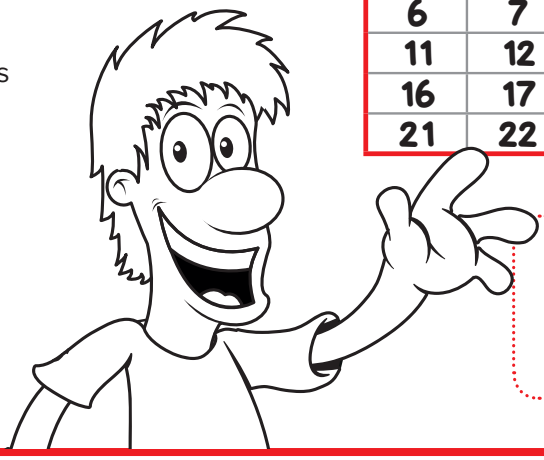
- use your tables facts

Example

He's hiding behind the biggest multiple of 5 without going past 23. So...

Where's Mully?

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25



20

1	28g	2	45cm
3	8L	4	36m
5	14s	6	24km
7	12ml	8	63mg
9	40mm	10	15kg

Real Life Maths Questions

Step 1

INN: Finding Multiples

I can find Mully using my tables

Remember to:

- use your tables facts

1 **Mully is hiding behind an apple. It is the highest multiple of 7 without going past 29. Where is he hiding?**

2 **Mully is hiding behind a rock. It is the highest multiple of 4 without going past 10. Where is he hiding?**

3 **Mully is hiding behind a barrel. It is the highest multiple of 2 without going past 15. Where is he hiding?**

4 **Mully is hiding behind a building. It is the highest multiple of 3 without going past 14. Where is he hiding?**

5 **Mully is hiding behind a tree. It is the highest multiple of 6 without going past 43. Where is he hiding?**

Real Life Maths Answers

Step 1

INN: Finding Multiples

I can find Mully using my tables

Remember to:

- use your tables facts

1 **Mully is hiding behind an apple. It is the highest multiple of 7 without going past 29. Where is he hiding?**

He's hiding behind the 28th apple.

2 **Mully is hiding behind a rock. It is the highest multiple of 4 without going past 10. Where is he hiding?**

He's hiding behind the 8th rock.

3 **Mully is hiding behind a barrel. It is the highest multiple of 2 without going past 15. Where is he hiding?**

He's hiding behind the 14th barrel.

4 **Mully is hiding behind a building. It is the highest multiple of 3 without going past 14. Where is he hiding?**

He's hiding behind the 12th building.

5 **Mully is hiding behind a tree. It is the highest multiple of 6 without going past 43. Where is he hiding?**

He's hiding behind 42nd tree.

Question Practice Resources

Question 8 - I can find the missing piece to 100

Remember to:

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

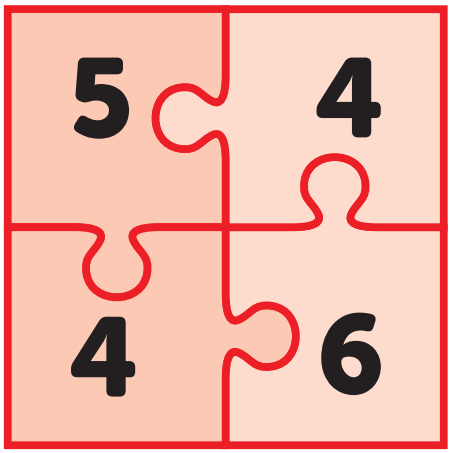
Repeat Questions

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

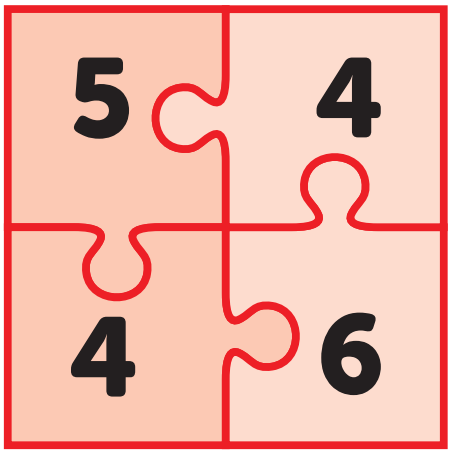
Repeat Answers

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

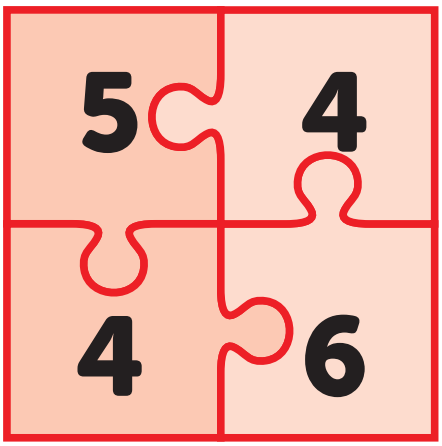
Big Maths Revisit Questions

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

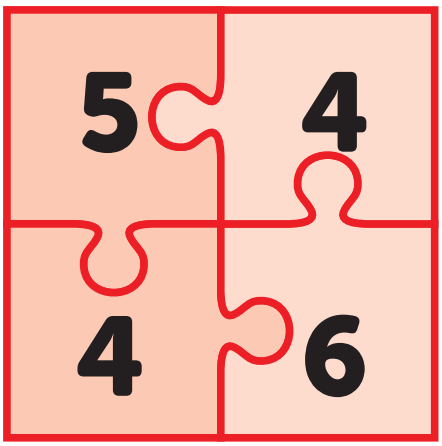
Big Maths **Revisit** Answers

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 9 - I can take a multiple of 10 from any 2 digit number

Remember to:

- set out the gap on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

Repeat Questions

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gaps on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1. **36 - 30 =**
2. **98 - 70 =**
3. **44 - 40 =**
4. **65 - 40 =**
5. **81 - 20 =**
6. **86 - 50 =**
7. **85 - 80 =**
8. **96 - 60 =**
9. **60 - 30 =**
10. **29 - 20 =**

Repeat Answers

Step 25

Subtraction

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gaps on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1. 36 - 30 = 6
2. 98 - 70 = 28
3. 44 - 40 = 4
4. 65 - 40 = 25
5. 81 - 20 = 61
6. 86 - 50 = 36
7. 85 - 80 = 5
8. 96 - 60 = 36
9. 60 - 30 = 30
10. 29 - 20 = 9

Big Maths Revisit Questions

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gaps on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1. **76m - 30m =**

2. **88cm - 70cm =**

3. **54km - 40km =**

4. **85g - 40g =**

5. **76mg - 20mg =**

6. **86L - 50L =**

7. **85ml - 80ml =**

8. **96s - 60s =**

9. **60mm - 30mm =**

10. **29kg - 20kg =**

Big Maths Revisit Answers

Step 25 Subtraction

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gaps on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1. 76m - 30m = **46m**
2. 88cm - 70cm = **18cm**
3. 54km - 40km = **14km**
4. 85g - 40g = **45g**
5. 76mg - 20mg = **56mg**
6. 86L - 50L = **36L**
7. 85ml - 80ml = **5ml**
8. 96s - 60s = **36s**
9. 60mm - 30mm = **30mm**
10. 29kg - 20kg = **9kg**

Real Life Maths Questions

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember to:

- set out the gap on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1 **Pim has 67 apples. He gave his friend 20 apples. How many apples does Pim have now?**

2 **Mully went to the shop with £45. He bought books for £30. How much money does he have left?**

3 **Pom took away 40kg of rocks from the weighing scales. He started with 86kg. What is the weight on the scales?**

4 **Pim has 58L of water in a jug. He poured out 10L. How much liquid is in the jug?**

5 **Pom is 92cm tall. Pim is 80cm tall. How much taller is Pom?**

Real Life Maths Answers

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember to:

- set out the gap on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1 **Pim has 67 apples. He gave his friend 20 apples. How many apples does Pim have now?**

Pim has 47 apples.

2 **Mully went to the shop with £45. He bought books for £30. How much money does he have left?**

He has £15 left.

3 **Pom took away 40kg of rocks from the weighing scales. He started with 86kg. What is the weight on the scales?**

There is 46kg of rocks on the scales.

4 **Pim has 58L of water in a jug. He poured out 10L. How much liquid is in the jug?**

There is 48L in the jug.

5 **Pom is 92cm tall. Pim is 80cm tall. How much taller is Pom?**

Pom is 12cm taller.

Big Maths Select Questions

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gap on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1

Which is the odd one out? **43p - 20p** **$\frac{1}{2}$ of 46p**

2

What is the length of the red rectangle?

3

Karen finishes her Big Maths Beat That! Learn Its Challenge in 28 seconds. Her friend Aisha takes 6 seconds longer to complete the same challenge. Aisha says that she has taken longer than half a minute to complete her challenge. Is she correct?

4

Lucas buys two apples at 30p each.
In his pocket are the three coins shown.
How much money does he have left after buying the apples?

5

Jenny started watching a TV programme that started at half past nine. She looks at her digital clock and wonders how long she has been watching the programme. Can you help her?

Select Answers

Step 25 — **Subtraction**

I can take a multiple of 10 from any 2d number

Remember To:

- set out the gap on a number line
- find the tens digit of the gap by comparing the two 10s digits
- check the units digit hasn't changed

1

43p - 20p **$\frac{1}{2}$ of 46p**

2

The red rectangle is 26cm long.

3

Yes, Aisha is correct.

4

He has 12p left after buying the apples.

5

She has been watching the programme for 11 minutes.

Question Practice Resources

Question 10 - I can add any 2 digit tens number to a 2 digit number

Remember to:

- partition the 2d number
- add the tens together
- add on the units

Big Maths — Repeat Questions

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the units

1. 56 + 70 =
2. 58 + 20 =
3. 15 + 80 =
4. 49 + 90 =
5. 88 + 60 =
6. 95 + 40 =
7. 52 + 20 =
8. 32 + 20 =
9. 83 + 70 =
10. 42 + 20 =

Repeat Answers

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the units

1. 56 + 70 = 126
2. 58 + 20 = 78
3. 15 + 80 = 95
4. 49 + 90 = 139
5. 88 + 60 = 148
6. 95 + 40 = 135
7. 52 + 20 = 72
8. 32 + 20 = 52
9. 83 + 70 = 153
10. 42 + 20 = 62

Big Maths Revisit Questions

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the units

1. 17L + 70L =
2. 68g + 10g =
3. 60mg + 80mg =
4. 20km + 90km =
5. 45m + 60m =
6. 95ml + 40ml =
7. 52km + 20km =
8. 36L + 20L =
9. 83kg + 70kg =
10. 42mm + 20mm =

Big Maths Revisit Answers

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the units

1. 17L + 70L = **87L**
2. 58g + 10g = **68g**
3. 60mg + 80mg = **140mg**
4. 20km + 90km = **110km**
5. 45m + 60m = **105m**
6. 95ml + 40ml = **135ml**
7. 52km + 20km = **72km**
8. 36L + 20L = **56L**
9. 75kg + 70kg = **145kg**
10. 42mm + 20mm = **62mm**

Real Life Maths Questions

Step 23 — **Addition**

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

Remember to:

- partition the 2d number
- add the tens together
- add on the units

1. **There are 20 rocks in one bucket and 92 rocks in another bucket. How many rocks are there altogether?**

2. **Pom has 83 conkers. Mully has 70 conkers. How many do they have altogether?**

3. **Pim has 50 apples and his friend gives him 76 more. How many apples does Pim have?**

4. **Speedy Col made a pile of 90 oranges. She put 56 more oranges in the pile. How many are in the pile now?**

5. **Pom is 90cm tall. Pim is 84cm tall. How tall are they together?**

Real Life Maths Answers

Step 23 — **Addition**

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

Remember to:

- partition the 2d number
- add the tens together
- add on the units

1 **There are 20 rocks in one bucket and 92 rocks in another bucket. How many rocks are there altogether?**

There are 112 rocks altogether.

2 **Pom has 83 conkers. Mully has 70 conkers. How many do they have altogether?**

They have 153 conkers altogether.

3 **Pim has 50 apples and his friend gives him 76 more. How many apples does Pim have?**

Pim has 126 apples.

4 **Speedy Col made a pile of 90 oranges. She put 56 more oranges in the pile. How many are in the pile now?**

There are 146 oranges in the pile.

5 **Pom is 90cm tall. Pim is 84cm tall. How tall are they together?**

They are 174cm tall together.

Big Maths Select Questions

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the ones

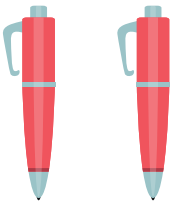
1

20p 25p

Jack buys this tray of five cup cakes. He pays the exact amount with just two coins. What coins did Jack use?

2

Niya has these two coins. Ayesha has 15p more than Niya. Together, do they have enough money for two pens at 70p?



3

The two yellow rectangles in this picture are the same length. How long are the yellow rectangles?

4

Which is the odd one out?

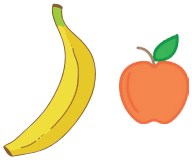
$80 + 75$

$\frac{1}{2}$ of 300

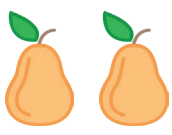
$100 + 55$

$65 + 90$

5



The banana weighs 90g. The apple weighs 65g. The pears weigh 80g each. Which is heavier, one banana and an apple or two pears?



Big Maths **Select** Answers

Step 23 — **Addition**

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

Remember To:

- partition the 2d number
- add the tens together
- add on the ones

1

Jack uses a £1 coin and a 5 pence coin.

2

No, they don't have enough money as they only have £1.35 altogether.

3

The yellow rectangles are 30cm long.

4

80 + 75

$\frac{1}{2}$ of 300

100 + 55

65 + 90

5

Two pears are heavier as they weigh 160g.