Big Maths

A Guide for Home Learning

CLIC 7

Introduction - CLIC 7

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 Along In 4 Ways - 100s / 200s / 500s / 2500s

Question 2
I can add tens

Question 3
I can double 2 digit numbers

Question 4
I can double 2 digit multiples of 10

Question 5
I know half of 30, 50, 70, 90

Question 6
I can turn 1 digit + 1 digit facts into multiples of 10

Question 7
I can add 10 to a 2 digit tens number

Question 8
I can add 10 to any 2 digit number

Question 9
I can take 10 from a multiple of 10

Question 10
I can take 10 from a 2 digit 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 7

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

300, 400, ☐, ☐, 700

2 30 + 40 =

3 Double 34 is

4 Double 70 is

5 Half of 70 is

6 Write the fact family for:

30 + 40 = 70

....

....

....

7 60 + 10 =

8 73 + 10 =

9 80 - 10 =

10 43 - 10 =

The Big Maths CLIC Challenges!

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

10

BEAT THAT!

Name:

Class:

Date:

1 Complete the sequence

300, 400, **500**, **600**, 700

2 30 + 40 = **70**

3 Double 34 is **68**

4 Double 70 is **140**

5 Half of 70 is **35**

6 Write the fact family for:

30 + 40 = 70

40 + 30 = 70

70 - 30 = 40

70 - 40 = 30

7 60 + 10 = **70**

8 73 + 10 = **83**

9 80 - 10 = **70**

10 43 - 10 = **33**

The Big Maths CLIC Challenges!

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

10
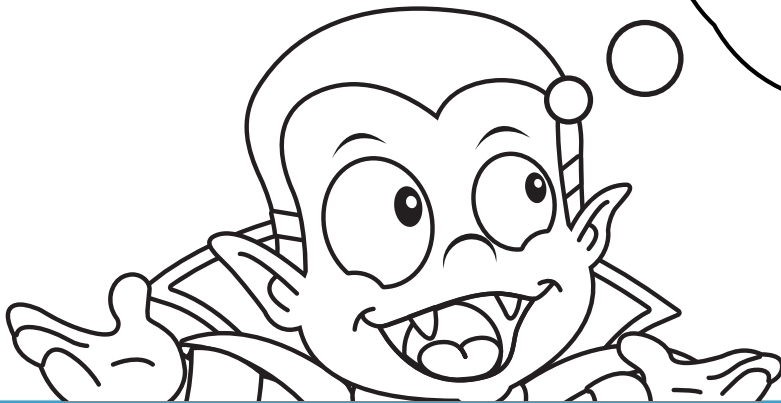
Question Practice Resources

Question 1   -   I can Count Along In 4 Ways
100s / 200s / 500s / 2500s

Step 3 — Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example

0   100   1,000

1. 100, 200,

2. 800, 900,

3. 1600, 1700,

4. 2400, 2500,

5. 3100, 3200,

6. 4400, 4500,

7. 7500, 7600,

8. 8200, 8300,

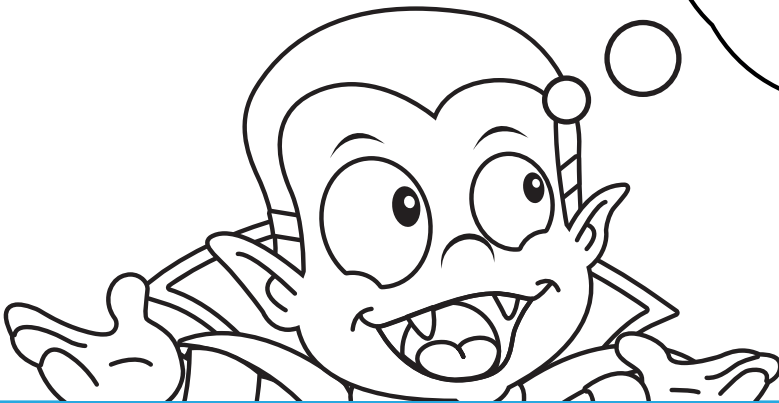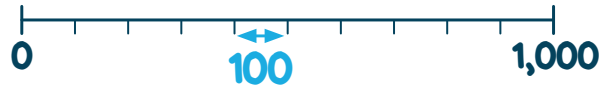9. 9400, 9500,

10. 6600, 6700,

Step 3 — Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example

0   100   1,000

1. 100, 200, 300, 400, 500

2. 800, 900, 1000, 1100, 1200

3. 1600, 1700, 1800, 1900, 2000

4. 2400, 2500, 2600, 2700, 2800

5. 3100, 3200, 3300, 3400, 3500

6. 4400, 4500, 4600, 4700, 4800

7. 7500, 7600, 7700, 7800, 7900

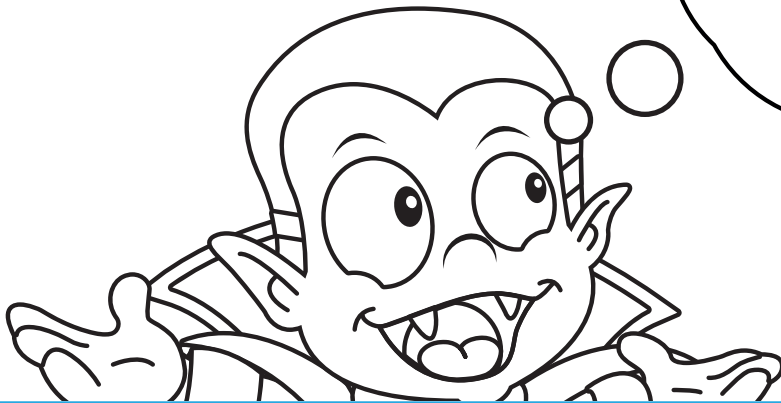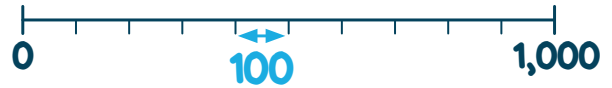8. 8200, 8300, 8400, 8500, 8600

9. 9400, 9500, 9600, 9700, 9800

10. 6600, 6700, 6800, 6900, 7000

Big Maths Revisit Questions

Example

0 —— 100 —— 1,000

1. 100m, 200m,

2. 800cm, 900cm,

3. 1600km, 1700km,

4. 2400g, 2500g,

5. 3100mg, 3200mg,

6. 4400L, 4500L,

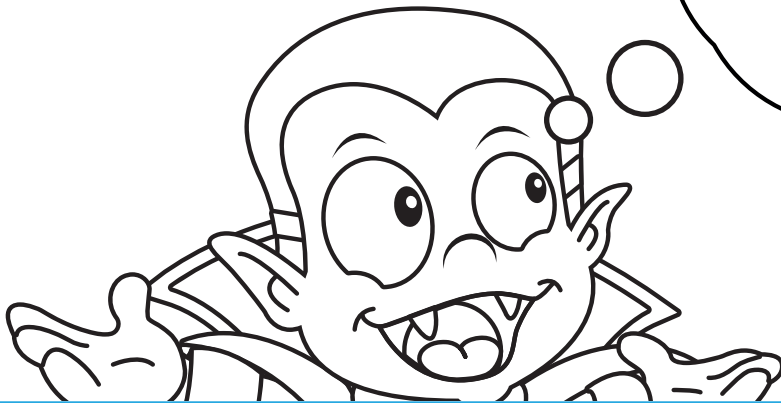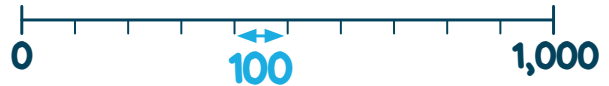7. 7500ml, 7600ml,

8. 8200s, 8300s,

9. 9400mm, 9500mm,

10. 6600s, 6700s,

Step 3 — Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example

0   100   1,000

1. 100m, 200m, 300m, 400m, 500m

2. 800cm, 900cm, 1000cm, 1100cm, 1200cm

3. 1600km, 1700km, 1800km, 1900km, 2000km

4. 2400g, 2500g, 2600g, 2700g, 2800g

5. 3100mg, 3200mg, 3300mg, 3400mg, 3500mg

6. 4400L, 4500L, 4600L, 4700L, 4800L

7. 7500ml, 7600ml, 7700ml, 7800ml, 7900ml

8. 8200s, 8300s, 8400s, 8500s, 8600s

9. 9400mm, 9500mm, 9600mm, 9700mm, 9800mm

10. 6600kg, 6700kg, 6800kg, 6900kg, 7000kg

Question Practice Resources

Remember to:

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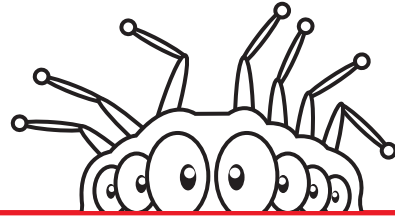- swap 'the thing' to a ten

Big Maths

Revisit Questions

Remember To:

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

1 10m + 30m =

2 30cm + 50cm =

3 50km + 40km =

4 40g + 10g =

5 20mg + 40mg =

6 20L + 10L =

7 80ml + 10ml =

8 10s + 10s =

9 20mm + 50mm =

10 60kg + 30kg =

Step 1

INN: Addition and Subtraction

I can add tens

Remember To:

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

1 $10m + 30m = 40m$

2 $30cm + 50cm = 80cm$

3 $50km + 40km = 90km$

4 $40g + 10g = 50g$

5 $20mg + 40mg = 60mg$

6 $20L + 10L = 30L$

7 $80ml + 10ml = 90ml$

8 $10s + 10s = 20s$
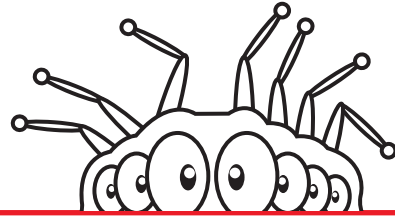
9 $20mm + 50mm = 70mm$

10 $60kg + 30kg = 90kg$

Step 1

INN: Addition and Subtraction

I can add tens

Remember To:

- use your addition Learn Its
- swap 'the thing' to a ten
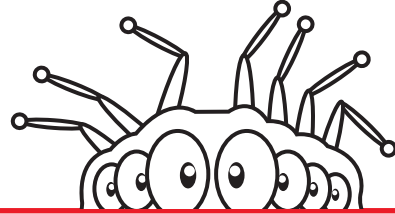
1 10 + 20 =

2 40 + 50 =

3 40 + 40 =

4 50 + 10 =

5 30 + 40 =

6 20 + 10 =

7 80 + 10 =

8 10 + 10 =

9 20 + 50 =

10 60 + 30 =

Big Maths

Repeat Answers

Remember To:

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

1   10 + 20 = **30**

2   40 + 50 = **90**

3   40 + 40 = **80**

4   50 + 10 = **60**

5   30 + 40 = **70**

6   20 + 10 = **30**

7   80 + 10 = **90**

8   10 + 10 = **20**

9   20 + 50 = **70**

10   60 + 30 = **90**

Big Maths

Real Life Maths Questions

Step 1

INN: Addition and Subtraction

I can add tens

Remember to:
- use your Addition Learn Its
- swap 'the thing' to a ten

1 Pim has 20 sweets and his friend gives him 30 more. How many sweets does Pim have?

2 There are 60 apples in one jar and 80 apples in another jar. How many apples are there altogether?

3 Pom bought games for £50 and sweets for £90. How much did he spend?

4 Pim ran 40km. He had a rest. He ran another 30km. How far did he go in total?

5 Pom is 80cm tall. Pim is 90cm tall. How tall are they together?

Big Maths

Real Life Maths Answers

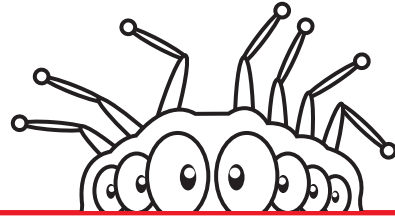**Step 1**

INN: Addition and Subtraction

I can add tens

Remember to:

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

1 Pim has 20 sweets and his friend gives him 30 more. How many sweets does Pim have?

Pim has 50 sweets.

2 There are 60 apples in one jar and 80 apples in another jar. How many apples are there altogether?

There are 140 apples altogether.

3 Pom bought games for £50 and sweets for £90. How much did he spend?

He spent £140.

4 Pim ran 40km. He had a rest. He ran another 30km. How far did he go in total?

He ran 70km in total.

5 Pom is 80cm tall. Pim is 90cm tall. How tall are they together?

They are 170cm tall together.

Question Practice Resources

Question 3 - I can double 2 digit numbers

Remember to:

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

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**

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**

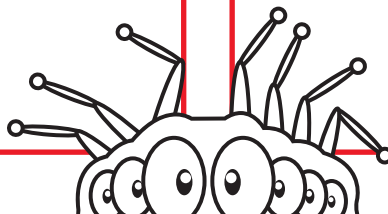**9** **Double 73mm is**
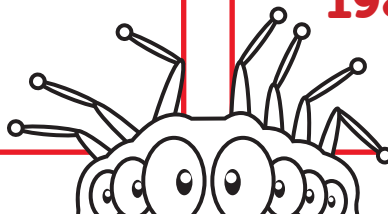
10 **Double 99kg is**

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

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?

![Big Maths logo]

Real Life Maths Answers

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.

Question Practice Resources

Question 4 - I can double 2 digit multiples of 10

Remember to:

- learn that double 50 is 100, 60 is 120, 70 is 140, 80 is 160, and 90 is 180

Big Maths Repeat Questions

Step 2 — **Doubling With Pim (With Crossing 10)**

I can double 2d multiples of 10

Remember To:

learn that, double...

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 **Double 50 is**

2 **Double 70 is**

3 **Double 20 is**

4 **Double 80 is**

5 **Double 90 is**

6 **Double 40 is**

7 **Double 10 is**

8 **Double 30 is**

9 **Double 60 is**

10 **Double 90 is**

Big Maths

Repeat Answers

Doubling With Pim (With Crossing 10)

I can double 2d multiples of 10

Remember To:

learn that, double...

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 **Double 50 is 100**

2 **Double 70 is 140**

3 **Double 20 is 40**

4 **Double 80 is 160**

5 **Double 90 is 180**

6 **Double 40 is 80**

7 **Double 10 is 20**

8 **Double 30 is 60**

9 **Double 60 is 120**

10 **Double 90 is 180**

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

Remember To:

learn that, double...

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 **Double 90m is**

2 **Double 70cm is**

3 **Double 20km is**

4 **Double 80g is**

5 **Double 90mg is**

6 **Double 40L is**

7 **Double 10ml is**

8 **Double 70s is**

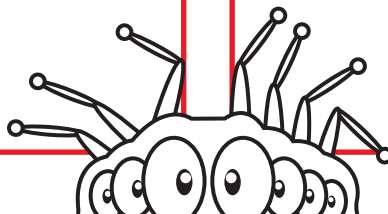**9** **Double 60mm is**
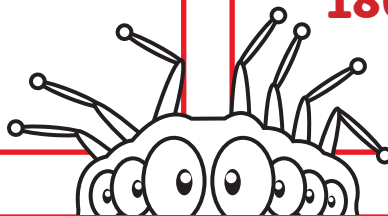
10 **Double 90kg is**

Step 2 — **Doubling With Pim (With Crossing 10)**

I can double 2d multiples of 10

Remember To:

learn that, double...

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 Double 90m is **180m**

2 Double 70cm is **140cm**

3 Double 20km is **40km**

4 Double 80g is **160g**

5 Double 90mg is **180mg**

6 Double 40L is **80L**

7 Double 10ml is **20ml**

8 Double 70s is **140s**

9 Double 60mm is **120mm**

10 Double 90kg is **180kg**

Real Life Maths Questions

Big Maths

Doubling With Pim (With Crossing 10)

I can double 2d multiples of 10

Remember to:

learn that, double...

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 Pim has 2 boxes of pears. Each box contains 50 pears. How many pears are there in total?

2 There are 70 people at a party. Each person gets 2 drinks. How many drinks are there in total?

3 A computer game costs £80. How much do 2 games cost?

4 Pim buys 2 barrels of oranges. Each barrel costs £60. How much does it cost in total?

5 What is double 90?

Real Life Maths Answers

I can double 2d multiples of 10

Remember to:

learn that, double…

- 50 is 100
- 60 is 120
- 70 is 140
- 80 is 160
- 90 is 180

1 **Pim has 2 boxes of pears. Each box contains 50 pears. How many pears are there in total?**

There are 100 pears in total.

2 **There are 70 people at a party. Each person gets 2 drinks. How many drinks are there in total?**

There are 140 drinks in total.

3 **A computer game costs £80. How much do 2 games cost?**

They cost £160.

4 **Pim buys 2 barrels of oranges. Each barrel costs £60. How much does it cost in total?**

It costs £120 in total.

5 **What is double 90?**

The answer is 180.

Question Practice Resources

Question 5   -   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

Step 2 Halving With Pim

I know half of 30, 50, 70, 90

Remember To:

learn that, half of...
- 30 is 15
- 50 is 25
- 70 is 35
- 90 is 45

1 **Half of 90 is**

2 **Half of 30 is**

3 **Half of 50 is**

4 **Half of 70 is**

5 **Half of 30 is**

6 **Half of 50 is**

7 **Half of 90 is**

8 **Half of 70 is**

9 **Half of 30 is**

10 **Half of 50 is**

Repeat Answers

Step 2

Halving With Pim

I know half of 30, 50, 70, 90

Remember To:

learn that, half of...
- 30 is 15
- 50 is 25
- 70 is 35
- 90 is 45

1 **Half of 90 is 45**

2 **Half of 30 is 15**

3 **Half of 50 is 25**

4 **Half of 70 is 35**

5 **Half of 30 is 15**

6 **Half of 50 is 25**

7 **Half of 90 is 45**

8 **Half of 70 is 35**

9 **Half of 30 is 15**
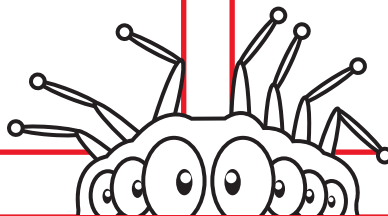
10 **Half of 50 is 25**

Step 2 — **Halving With Pim**

I know half of 30, 50, 70, 90

Remember To:

learn that, half of...
- 30 is 15
- 50 is 25
- 70 is 35
- 90 is 45

1 **Half of 90m is**

2 **Half of 30cm is**

3 **Half of 50km is**

4 **Half of 70g is**

5 **Half of 30mg is**

6 **Half of 50L is**

7 **Half of 90ml is**

8 **Half of 70s is**

9 **Half of 30mm is**

10 **Half of 50kg is**

Step 2

Halving With Pim

I know half of 30, 50, 70, 90

1 **Half of 90m is 45m**

2 **Half of 30cm is 15cm**

3 **Half of 50km is 25km**

4 **Half of 70g is 35g**

5 **Half of 30mg is 15mg**

6 **Half of 50L is 25L**

7 **Half of 90ml is 45ml**

8 **Half of 70s is 35s**

9 **Half of 30mm is 15mm**

10 **Half of 50kg is 25kg**
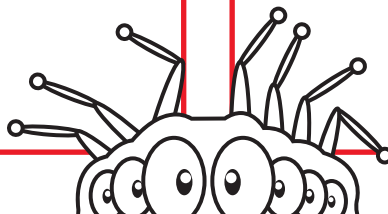
Real Life Maths Questions

Big Maths

Remember to:

- 30 is 15
- 50 is 25
- 70 is 35
- 90 is 45

1 Pim has 30 apples. He shares them between 2 friends. How many apples does each friend have?

2 Pom has 50L of water. He pours it into 2 jugs. How much water is in each jug?

3 Pom has 70kg of sand. He makes two piles. How much sand is in each pile?

4 Pom spends £90 on 2 games. How much does each game cost?

5 What is half of 50?

Big Maths

Real Life Maths Answers

Step 2 — Halving With Pim

I know half of 30, 50, 70, 90

Remember to:
- 30 is 15
- 50 is 25
- 70 is 35
- 90 is 45

1 Pim has 30 apples. He shares them between 2 friends. How many apples does each friend have?

Each friend has 15 apples.

2 Pom has 50L of water. He pours it into 2 jugs. How much water is in each jug?

There is 25L of water in each jug.

3 Pom has 70kg of sand. He makes two piles. How much sand is in each pile?

Each pile has 35kg of sand.

4 Pom spends £90 on 2 games. How much does each game cost?

Each game costs £45.

5 What is half of 50?

The answer is 25.

Question Practice Resources

Question 6   -   I can turn 1 digit + 1 digit facts into multiples of 10

Remember to:

- copy the fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

Repeat Questions

Step 2

INN: Fact Families

I can turn 1d + 1d facts into multiples of 10

Remember to:
- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

Example

$$70 + 30 = 100$$
$$30 + 70 = 100$$
$$100 - 30 = 70$$
$$100 - 70 = 30$$

(1) $70 + 20 = 90$

(2) $40 + 60 = 100$

(3) $30 + 20 = 50$

(4) $10 + 90 = 100$

(5) $50 + 20 = 70$

(6) $10 + 30 = 40$

(7) $60 + 10 = 70$

(8) $30 + 40 = 70$

(9) $20 + 40 = 60$

(10) $10 + 40 = 50$

Big Maths

Repeat Answers

I can turn 1d + 1d facts into multiples of 10

Remember to:
- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

Example

$$70 + 30 = 100$$
$$30 + 70 = 100$$
$$100 - 30 = 70$$
$$100 - 70 = 30$$

1 70 + 20 = 90, 20 + 70 = 90, 90 - 70 = 20, 90 - 20 = 70

2 40 + 60 = 100, 60 + 40 = 100, 100 - 40 = 60, 100 - 60 = 40

3 30 + 20 = 50, 20 + 30 = 50, 50 - 30 = 20, 50 - 20 = 30

4 10 + 90 = 100, 90 + 10 = 100, 100 - 10 = 90, 100 - 90 = 10

5 50 + 20 = 70, 20 + 50 = 70, 70 - 50 = 20, 70 - 20 = 50

6 10 + 30 = 40, 30 + 10 = 40, 40 - 10 = 30, 40 - 30 = 10

7 60 + 10 = 70, 10 + 60 = 70, 70 - 60 = 10, 70 - 10 = 60

8 30 + 40 = 70, 40 + 30 = 70, 70 - 30 = 40, 70 - 40 = 30

9 20 + 40 = 60, 40 + 20 = 60, 60 - 40 = 20, 60 - 20 = 40

10 10 + 40 = 50, 40 + 10 = 50, 50 - 10 = 40, 50 - 40 = 10

Example

$$70 + 30 = 100$$
$$30 + 70 = 100$$
$$100 - 30 = 70$$
$$100 - 70 = 30$$

Remember to:

- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

1. $10g + 90g = 100g$

2. $40cm + 60cm = 100cm$

3. $10L + 30L = 40L$

4. $70m + 20m = 90m$

5. $30s + 40s = 70s$

6. $30km + 20km = 50km$

7. $10kg + 40kg = 50kg$

8. $50mg + 20mg = 70mg$

9. $20mm + 40mm = 60mm$

10. $60ml + 10ml = 70ml$

Step 2

INN: Fact Families

I can turn 1d + 1d facts into multiples of 10

Example

$$70 + 30 = 100$$
$$30 + 70 = 100$$
$$100 - 30 = 70$$
$$100 - 70 = 30$$

Remember to:
- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

1 10g + 90g = 100g, 90g + 10g = 100g, 100g - 10g = 90g, 100g - 90g = 10g

2 40cm + 60cm = 100cm, 60cm + 40cm = 100cm, 100cm - 40cm = 60cm, 100cm - 60cm = 40cm

3 10L + 30L = 40L, 30L + 10L = 40L, 40L - 10L = 30L, 40L - 30L = 10L

4 70m + 20m = 90m, 20m + 70m = 90m, 90m - 70m = 20m, 90m - 20m = 70m

5 30s + 40s = 70s, 40s + 30s = 70s, 70s - 30s = 40s, 70s - 40s = 30s

6 30km + 20km = 50km, 20km + 30km = 50km, 50km - 30km = 20km, 50km - 20km = 30km

7 10kg + 40kg = 50kg, 40kg + 10kg = 50kg, 50kg - 10kg = 40kg, 50kg - 40kg = 10kg

8 50mg + 20mg = 70mg, 20mg + 50mg = 70mg, 70mg - 50mg = 20mg, 70mg - 20mg = 50mg

9 20mm + 40mm = 60mm, 40mm + 20mm = 60mm, 60mm - 40mm = 20mm, 60mm - 20mm = 40mm

10 60ml + 10ml = 70ml, 10ml + 60ml = 70ml, 70ml - 60ml = 10ml, 70ml - 10ml = 60ml

Step 2

INN: Fact Families

I can turn 1d + 1d facts into multiples of 10

Remember to:

- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

1 Pim has 40 apples and his friend gives him 50 more. How many apples does Pim have? Write out the Fact Families.

2 There are 70 conkers in one jar and 20 conkers in another jar. How many conkers are there altogether? Write out the Fact Families.

3 Mully went to the shop and bought books for £30 and toys for £20. How much did it cost altogether? Write out the Fact Families.

4 Pom has 50L of water in a jug. He adds 20L more. How much liquid is in the jug? Write out the Fact Families.

5 What is the sum of 60 and 10? Write out the Fact Families.

Real Life Maths Answers

Big Maths

I can turn 1d + 1d facts into multiples of 10

Remember to:
- copy the Fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

1 **Pim has 40 apples and his friend gives him 50 more. How many apples does Pim have? Write out the Fact Families.**

Pim has 90 apples. 50 + 40 = 90, 90 - 40 = 50, 90 - 50 = 40

2 **There are 70 conkers in one jar and 20 conkers in another jar. How many conkers are there altogether? Write out the Fact Families.**

There are 90 conkers altogether. 20 + 70 = 90, 90 - 70 = 20, 90 - 20 = 70

3 **Mully went to the shop and bought books for £30 and toys for £20. How much did it cost altogether? Write out the Fact Families.**

It cost £50. £20 + £30 = £50, £50 - £30 = £20, £50 - £20 = £30

4 **Pom has 50L of water in a jug. He adds 20L more. How much liquid is in the jug? Write out the Fact Families.**

There is 70L in the jug. 20L + 50L = 70L, 70L - 50L = 20L, 70L - 20L = 50L

5 **What is the sum of 60 and 10? Write out the Fact Families.**

The answer is 70. 10 + 60 = 70, 70 - 60 = 10, 70 - 10 = 60

Question Practice Resources

Remember to:

- find the number
- add one to the tens digit

Big Maths **Repeat** Questions

Step 14 | **Addition**

I can add 10 to a 2d tens number

Remember To:
- find the number
- add one to the tens digit

1 70 + 10 =

2 30 + 10 =

3 90 + 10 =

4 80 + 10 =

5 20 + 10 =

6 10 + 10 =

7 60 + 10 =

8 60 + 10 =

9 10 + 10 =

10 40 + 10 =

Set 1

Big Maths

Repeat Answers

I can add 10 to a 2d tens number

Remember To:
- find the number
- add one to the tens digit

1 70 + 10 = **80**

2 30 + 10 = **40**

3 90 + 10 = **100**

4 80 + 10 = **90**

5 20 + 10 = **30**

6 10 + 10 = **20**

7 60 + 10 = **70**

8 60 + 10 = **70**

9 10 + 10 = **20**

10 40 + 10 = **50**

Big Maths

Revisit Questions

Step 14 | **Addition**

I can add 10 to a 2d tens number

Remember To:
- find the number
- add one to the tens digit

1 70mg + 10mg =

2 30g + 10g =

3 90cm + 10cm =

4 80mm + 10mm =

5 50L + 40L =

6 10ml + 10ml =

7 60g + 10g =

8 30mg + 10mg =

9 20km + 20km =

10 40m + 10m =

Step 14

Addition

I can add 10 to a 2d tens number

Remember To:
- find the number
- add one to the tens digit

1 70mg + 10mg = **80mg**

2 30g + 10g = **40g**

3 90cm + 10cm = **100cm**

4 80mm + 10mm = **90mm**

5 50L + 40L = **90L**

6 10ml + 10ml = **20ml**

7 60g + 10g = **70g**

8 30mg + 10mg = **40mg**

9 20km + 20km = **40km**

10 40m + 10m = **50m**

Real Life Maths Questions

Step 14	Addition

I can add 10 to a 2d tens number

Remember to:

- find the number
- add one to the tens digit

1 Mully has 50 conkers. Pom has 10 conkers. How many do they have altogether?

2 What is the sum of 60 and 10?

3 Pom is 80m tall. Pim is 10m tall. How tall are they together?

4 Count Fourways bought toys for £70 and snacks for £10. How much did he spend?

5 Pim has 90g of sugar on the weighing scales. He adds 10g more. What is the weight on the scales?

Real Life Maths Answers

Step 14 | **Addition**

I can add 10 to a 2d tens number

Remember to:
- find the number
- add one to the tens digit

1

Mully has 50 conkers. Pom has 10 conkers. How many do they have altogether?

They have 60 conkers altogether.

2

What is the sum of 60 and 10?

The answer is 70.

3

Pom is 80m tall. Pim is 10m tall. How tall are they together?

They are 90m tall together.

4

Count Fourways bought toys for £70 and snacks for £10. How much did he spend?

He spent £80.

5

Pim has 90g of sugar on the weighing scales. He adds 10g more. What is the weight on the scales?
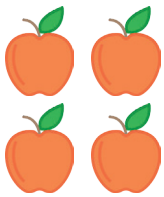
There is 100g on the scales.

I can add 10 to a 2d tens number

Remember To:
- find the number
- add one to the tens digit

1

A pack of four apples costs exactly £1. Becky wants to buy the apples but only has these two coins.
How much more money does she need?

2

The two blue bars are the same length. How long is each blue bar?

?	?

| 80cm | 10cm |

3

Which is the odd one out?

$$30p + 10p$$

$$\frac{1}{2} \text{ of } 70p$$

$$50p - 10p$$

4

James finishes his Big Maths Beat That Challenge in 50 seconds. His best friend Wayne is 10 seconds slower completing his challenge. How long does it take Wayne to finish his challenge?

5

Nina buys a pen and two pencils. The pencils cost 10p each. The total cost is 60p. How much does the pen cost?
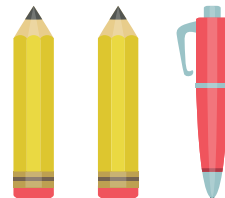
Step 14 | **Addition**

I can add 10 to a 2d tens number

1

40 pence

2

45cm

3

$30p + 10p$ $\frac{1}{2}$ **of 70p**

$50p - 10p$

4

1 minute / 60 seconds

5

40 pence

Set 1

Question Practice Resources

Question 8 - I can add 10 to any 2 digit number

Remember to:
- find the number
- add one to the tens digit

Big Maths

Repeat Questions

Step 15	**Addition**

I can add 10 to any 2d number

1 81 + 10 =

2 52 + 10 =

3 17 + 10 =

4 65 + 10 =

5 78 + 10 =

6 83 + 10 =

7 86 + 10 =

8 71 + 10 =

9 67 + 10 =

10 75 + 10 =

Big Maths **Repeat** Answers

Step 15   **Addition**

I can add 10 to any 2d number

Remember To:
- find the number
- add one to the tens digit

1 $81 + 10 = 91$

2 $52 + 10 = 62$

3 $17 + 10 = 27$

4 $65 + 10 = 75$

5 $78 + 10 = 88$

6 $83 + 10 = 93$

7 $86 + 10 = 96$

8 $71 + 10 = 81$

9 $67 + 10 = 77$

10 $75 + 10 = 85$

Step 15 — **Addition**

I can add 10 to any 2d number

Remember To:
- find the number
- add one to the tens digit

1 76ml + 10ml =

2 52L + 10L =

3 17g + 10g =

4 65mg + 10mg =

5 78kg + 10kg =

6 83L + 10L =

7 86g + 10g =

8 71km + 10km =

9 87m + 10m =

10 85g + 10g =

Set 1

Big Maths

Step 15 — Addition

I can add 10 to any 2d number

Remember To:

- find the number
- add one to the tens digit

1 76ml + 10ml = **86ml**

2 52L + 10L = **62L**

3 17g + 10g = **27g**

4 65mg + 10mg = **75mg**

5 78kg + 10kg = **88kg**

6 83L + 10L = **93L**

7 86g + 10g = **96g**

8 71km + 10km = **81km**

9 87m + 10m = **97m**

10 85g + 10g = **95g**

Real Life Maths Questions

Big Maths

Step 15 — **Addition**

I can add 10 to any 2d number

Remember to:
- find the number
- add one to the tens digit

---

1 What is the sum of 56 and 10?

2 There are 45 cherries in one jar and 10 cherries in another jar. How many cherries are there altogether?

3 Mully went to the shop and bought books for £54 and toys for £10. How much did it cost altogether?

4 Pom is 88cm tall. Pim is 10cm tall. How tall are they together?

5 Pim has 76ml of orange juice in a jug. He adds 10ml more. How much liquid is in the jug?

Step 15

Addition

I can add 10 to any 2d number

Remember to:
- find the number
- add one to the tens digit

1

What is the sum of 56 and 10?

The answer is 66.

2

There are 45 cherries in one jar and 10 cherries in another jar. How many cherries are there altogether?

There are 55 cherries altogether.

3

Mully went to the shop and bought books for £54 and toys for £10. How much did it cost altogether?

It cost £64 altogether.

4

Pom is 88cm tall. Pim is 10cm tall. How tall are they together?

Together they are 98cm tall.

5

Pim has 76ml of orange juice in a jug. He adds 10ml more. How much liquid is in the jug?

There is 86ml of liquid in the jug.

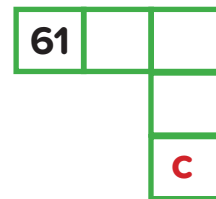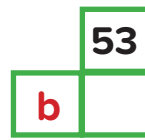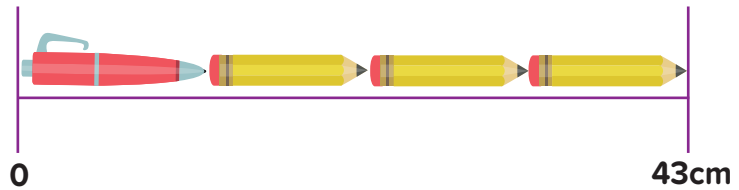# Big Maths **Select** Questions

I can add 10 to any 2d number

Remember To:
- find the number
- add one to the tens digit

---

1 Three pieces have been cut out of a 1-100 square. What numbers are shown by the letters a, b and c?

47

a

53

b

61

c

---

2 Each pencil in this picture is 10cm long. How long is the pen?

0   43cm

---

3 Which is the odd one out?
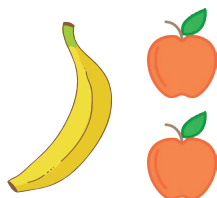
36p + 10p   **Double 23p**

56p - 10p - 10p

---

4 Nikki and Danny bake some cupcakes! Nikki bakes 14 cakes and Danny bakes 10 cakes. A quarter of all the cakes have blue icing on top and the remainder have pink icing. How many cakes have blue icing?

---

5 Shabana buys a banana and two apples. The banana costs 28p and the apples cost 10p each. She only has 50p. Does she have enough money?

Set 1

Big Maths — **Select** Answers

Remember To:
- find the number
- add one to the tens digit

1

a = 27, b = 42, c = 43

2

13cm

3

36p + 10p   **Double 23p**

56p - 10p - 10p

4

6 cupcakes

5

Yes. (cost altogether is 48p)

Question Practice Resources

Remember to:

- find the starting number
- count back 10
- see where you have landed

Step 13 | **Subtraction**

I can take 10 from a multiple of 10

1 20 - 10 =

2 40 - 10 =

3 70 - 10 =

4 90 - 10 =

5 60 - 10 =

6 30 - 10 =

7 20 - 10 =

8 80 - 10 =

9 90 - 10 =

10 50 - 10 =

Big Maths

Repeat Answers

Step 13	**Subtraction**

I can take 10 from a multiple of 10

Remember To:
- find the starting number
- count back 10
- see where you have landed

1   **20 - 10 = 10**

2   **40 - 10 = 30**

3   **70 - 10 = 60**

4   **90 - 10 = 80**

5   **60 - 10 = 50**

6   **30 - 10 = 20**

7   **20 - 10 = 10**

8   **80 - 10 = 70**

9   **90 - 10 = 80**

10   **50 - 10 = 40**

Revisit Questions

Step 13

Subtraction

I can take 10 from a multiple of 10

Remember To:

- find the starting number
- count back 10
- see where you have landed

1 80m - 10m =

2 60cm - 10cm =

3 90km - 50km =

4 60g - 10g =

5 40mg - 20mg =

6 30L - 10L =

7 20ml - 10ml =

8 80s - 10s =

9 90mm - 10mm =

10 50kg - 10kg =

Step 13 — **Subtraction**

I can take 10 from a multiple of 10

1 80m - 10m = **70m**

2 60cm - 10cm = **50cm**

3 90km - 50km = **40km**

4 60g - 10g = **50g**

5 40mg - 20mg = **20mg**

6 30L - 10L = **20L**

7 20ml - 10ml = **10ml**

8 80s - 10s = **70s**

9 90mm - 10mm = **80mm**

10 50kg - 10kg = **40kg**

Big Maths

Real Life Maths Questions

Remember to:
- find the starting number
- count back to 10
- see where you have landed

1 Pim poured 30ml of water out of his jug. He started with 90ml. How much liquid is in the jug?

2 Pim has 20L of water in a jug. He poured out 10L. How much liquid is in the jug?

3 Pom is 80cm tall. Pim is 10cm tall. How much taller is Pom?

4 Pim went to the shop with £60. He bought shoes for £10. How much money does he have left?

5 What is 40 take away 10?

Step 13

Subtraction

I can take 10 from a multiple of 10

Remember to:
- find the starting number
- count back to 10
- see where you have landed

1 Pim poured 30ml of water out of his jug. He started with 90ml. How much liquid is in the jug?

There is 60ml of liquid in the jug.

2 Pim has 20L of water in a jug. He poured out 10L. How much liquid is in the jug?

There is 10L of water in the jug.

3 Pom is 80cm tall. Pim is 10cm tall. How much taller is Pom?

Pom is 70cm taller.

4 Pim went to the shop with £60. He bought shoes for £10. How much money does he have left?

He has £50 left.

5 What is 40 take away 10?

The answer is 30.

Big Maths

Select Questions

Remember To:
- find the starting number
- count back 10
- see where you have landed

1

Which is the odd one out?

50m - 10m

$$\frac{1}{4} \text{ of 80m}$$

0   50m
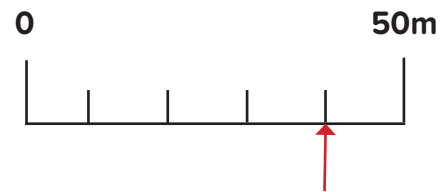
2

Maria has these four coins in her pocket. When she checks later she finds that she has lost the two 5p pieces! Write a number sentence that shows how much money she now has.
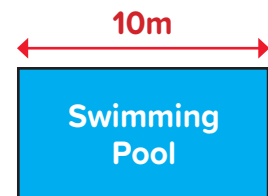
3

What number is shown by the letter 'm' in this picture?

m		10
60	30	

4

Mia, Alfie and George all love swimming at their local swimming pool! One length of the pool is 10m. On one day, Mia swims seven lengths. Alfie swims 10m less than Mia. George swims twice as far as Alfie. How far does George swim?

10m

Swimming Pool

5

James can build this large cube from smaller cubes in one minute and thirty seconds. His best friend Alesha can build the same cube ten seconds quicker. How many seconds does it take Alesha to build the cube?

Step 13 | **Subtraction**
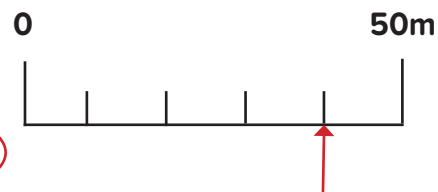
I can take 10 from a multiple of 10

1

50m - 10m

$\frac{1}{4}$ **of 80m**

0   50m

2

50p + 20p + 5p + 5p = 80p - 2 x 5p = 70

3

m = 80

4

George swims 120m.

5

80 seconds

Question Practice Resources

Question 10 -   I can take 10 from a 2 digit number

Remember to:

- find the starting number
- count back 10
- see where you have landed

Big Maths **Repeat** Questions

Remember To:
- find the starting number
- count back 10
- see where you have landed

1 26 - 10 =

2 65 - 10 =

3 11 - 10 =

4 35 - 10 =

5 47 - 10 =

6 95 - 10 =

7 24 - 10 =

8 29 - 10 =

9 44 - 10 =

10 21 - 10 =

Repeat Answers

Remember To:

- find the starting number
- count back 10
- see where you have landed

1 26 - 10 = **16**

2 65 - 10 = **55**

3 11 - 10 = **1**

4 35 - 10 = **25**

5 47 - 10 = **37**

6 95 - 10 = **85**

7 24 - 10 = **14**

8 29 - 10 = **19**

9 44 - 10 = **34**

10 21 - 10 = **11**

Big Maths **Revisit** Questions

Remember To:
- find the starting number
- count back 10
- see where you have landed

1 **41m - 10m =**

2 **55cm - 10cm =**

3 **22km - 10km =**

4 **54g - 10g =**

5 **87mg - 10mg =**

6 **95L - 10L =**

7 **24l - 10l =**

8 **29s - 10s =**

9 **44mm - 10mm =**

10 **21kg - 10kg =**

Big Maths

Step 14 | Subtraction

I can take 10 from a 2d number

Remember To:
- find the starting number
- count back 10
- see where you have landed

1   **41m - 10m = 31m**

2   **55cm - 10cm = 45cm**

3   **22km - 10km = 12km**

4   **54g - 10g = 44g**

5   **87mg - 10mg = 77mg**

6   **95L - 10L = 85L**

7   **24ml - 10ml = 14ml**

8   **29s - 10s = 19s**

9   **44mm - 10mm = 34mm**

10   **21kg - 10kg = 11kg**

Big Maths **Real Life Maths** Questions

Step 14

Subtraction

I can take 10 from a 2d number

Remember to:

- find the starting number
- count back to 10
- see where you have landed

1 Pom has 78 eggs. He gave his friend 10 eggs. How many eggs does Pom have now?

2 There are 87 sweets in a jar. Pim took 10 sweets out. How many sweets are there now?

3 Pim put 65g of cherries on the weighing scales. He took away 10g. What is the weight on the scales?

4 Pom is 43cm tall. Pim is 10cm tall. How much taller is Pom?

5 Pim had to run 45km. So far he has run 10km. What is the total distance he has to go?

Real Life Maths Answers

Step 14 — **Subtraction**

I can take 10 from a 2d number

Remember to:
- find the starting number
- count back to 10
- see where you have landed

1 Pom has 78 eggs. He gave his friend 10 eggs. How many eggs does Pom have now?

Pom has 68 eggs.

2 There are 87 sweets in a jar. Pim took 10 sweets out. How many sweets are there now?

There are 77 sweets in the jar.

3 Pim put 65g of cherries on the weighing scales. He took away 10g. What is the weight on the scales?

There is 55g of cherries on the scales.

4 Pom is 43cm tall. Pim is 10cm tall. How much taller is Pom?

Pom is 33cm taller.

5 Pim had to run 45km. So far he has run 10km. What is the total distance he has to go?

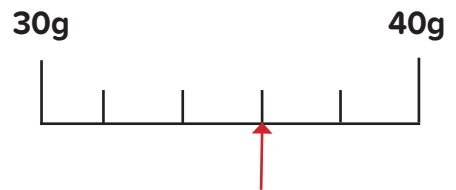**He still has to go 35km.**

Big Maths

Select Questions

Remember To:
- find the starting number
- count back 10
- see where you have landed

1

Which is the odd one out?

46g - 10g
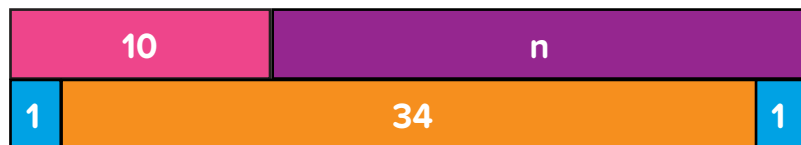
10g + 23g

30g   40g

2

Bananas cost 23p each. Lucy and Jamie want to have a banana each! Unfortunately Lucy only has 10p, so how much money will Jamie need to have for them to be able to buy two bananas?
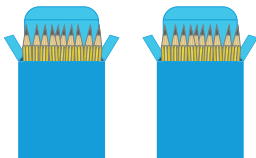
3

What number is shown by the letter 'n' in this picture?

10	n

1	34	1

4

Jake completes his first Big Maths Beat that Challenge in 48 seconds. For his second challenge he is ten seconds quicker. How long does he take to complete his second challenge?

5

Jessica and Grace volunteer to tidy up the coloured pencils in their classroom. They discover that there are a total of sixty eight pencils in a tray. They start by putting ten pencils in each of two boxes. How many coloured pencils are left in the tray?

Select Answers

Step 14

Subtraction

I can take 10 from a 2d number

Remember To:
- find the starting number
- count back 10
- see where you have landed

1

46g - 10g

⟨**10g + 23g**⟩

30g   40g
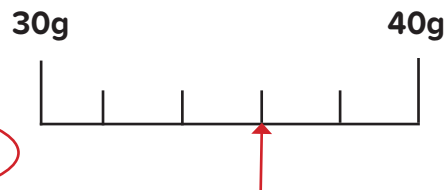
2

Jamie will need 36p to be able to pay for the bananas.

3

n = 26

4

38 seconds

5

There are 48 pencils left in the tray.