Big Maths
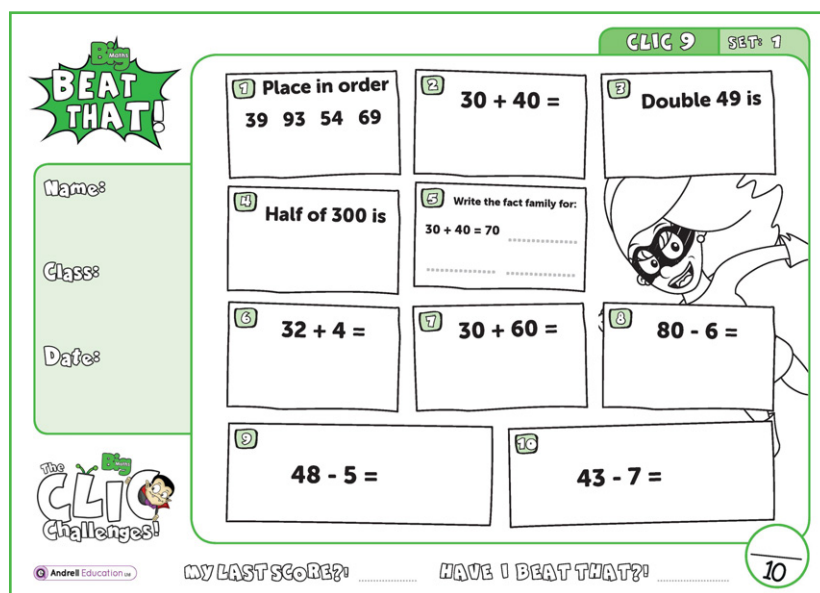
A Guide for Home Learning

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 tens

Question 3
I can double 2 digit numbers

Question 4
I know half of 300, 500, 700, 900

Question 5
I can turn 1 digit + 1 digit facts into multiples of 10

Question 6
I can solve 2 digit + 1 digit

Question 7
I can add a 2 digit tens number to another one

Question 8
I can take a 1 digit number from a multiple of 10

Question 9
I can solve 2 digit - 1 digit

Question 10
I can solve any 2 digit - 1 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 30 + 40 =

3 Double 49 is

4 Half of 300 is

5 Write the fact family for:

30 + 40 = 70 ....

....

6 32 + 4 =

7 30 + 60 =

8 80 - 6 =

9 48 - 5 =

10 43 - 7 =

The Big Maths CLIC Challenges!

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

10

BEAT THAT!

Name:

Class:

Date:

The Big Maths CLIC Challenges!

1 Place in order

39   93   54   69

39   54   69   93

2 30 + 40 =

70

3 Double 49 is

98

4 Half of 300 is

150

5 Write the fact family for:

30 + 40 = 70   40+30=70

70-30=40   70-40=30

6 32 + 4 =

36

7 30 + 60 =

90

8 80 - 6 =

74

9 48 - 5 = **43**

10 43 - 7 = **36**

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

Step 3 — Mastery of Numbers

I can understand 2d numbers

Remember To:

1	32 < 85	2	88 < 89
3	56 > 30	4	72 < 78
5	94 > 50	6	76 > 85
7	9 < 23	8	41 > 40
9	63 < 63	10	38 > 28

Repeat Answers

Remember To:

Step 3	Mastery of Numbers

I can understand 2d numbers

1	2
true	**true**

3	4
true	**true**

5	6
true	**false**

7	8
true	**true**

9	10
false	**true**

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 56m < 65m

2 78cm < 99cm

3 86km > 49km

4 62g < 78g

5 84mg > 60mg

6 76L > 85L

7 8ml < 33ml

8 51s > 40s

9 33mm < 33mm

10 38kg > 28kg

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 true

2 true

3 true

4 true

5 true

6 false

7 true

8 true

9 false

10 true

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

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

Revisit Questions

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

Step 3 — Mastery of Numbers

I can understand 2d numbers

Remember To:

1 Round 86 to the nearest 10

2 Round 75 to the nearest 10

3 Round 11 to the nearest 10

4 Round 53 to the nearest 10

5 Round 89 to the nearest 10

6 Round 92 to the nearest 10

7 Round 28 to the nearest 10

8 Round 34 to the nearest 10

9 Round 50 to the nearest 10

10 Round 21 to the nearest 10

Big Maths

Repeat Answers

Remember To:

1	2
90	**80**

3	4
10	**50**

5	6
90	**90**

7	8
30	**30**

9	10
50	**20**

Rounding Numbers: Set 1

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 Round 67m to the nearest 10m

2 Round 55cm to the nearest 10cm

3 Round 12km to the nearest 10km

4 Round 43g to the nearest 10g

5 Round 89mg to the nearest 10mg

6 Round 92L to the nearest 10L

7 Round 27ml to the nearest 10ml

8 Round 34s to the nearest 10s

9 Round 49mm to the nearest 10mm

10 Round 21kg to the nearest 10kg

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

70m

2

60cm

3

10km

4

40g

5

90mg

6

90L

7

30ml

8

30s

9

50mm

10

20kg

Question 2 -   I can add tens

Remember to:

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

![Big Maths logo]

Repeat Questions

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 $80 + 10 = 90$

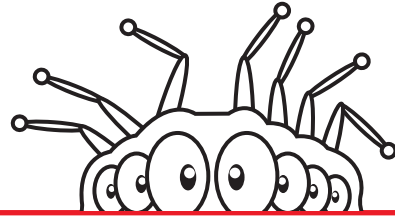**8** $10 + 10 = 20$
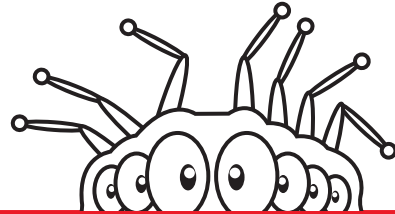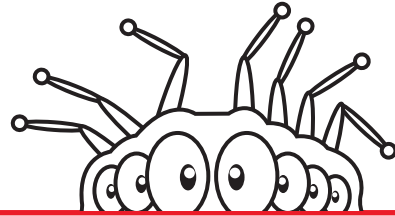
9 $20 + 50 = 70$

10 $60 + 30 = 90$

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 =

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 =

![Big Maths]

Revisit Answers

Remember To:
- use your addition Learn Its
- swap 'the thing' to a ten
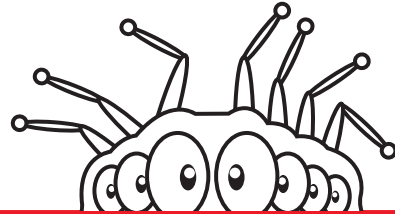
1 10m + 30m = **40m**

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**

Big Maths

Real Life Maths Questions

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?

Real Life Maths Answers

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 3 - I can double 2 digit numbers

Remember to:

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

![Big Maths] **Repeat** Questions

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**

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

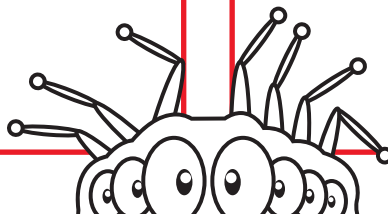**8** Double 84s is

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**

![Big Maths logo] **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?

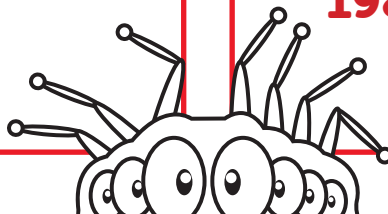**Step 3** — **Doubling With Pim (With Crossing 10)**

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.

Question 4   -   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

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**

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**

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**
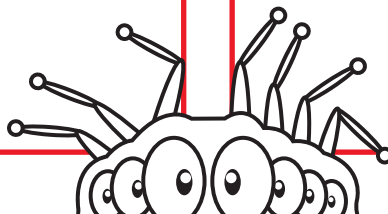
Big Maths

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**

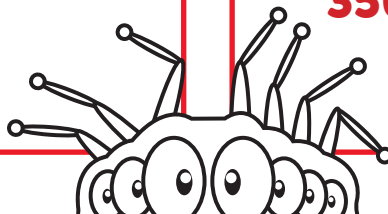**6** **Half of 300L is 150L**

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 5 - 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

Big Maths

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

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, 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

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. $10g + 90g = 100g$

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

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 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

![Big Maths]

Real Life Maths Questions

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

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.

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   -   I can sol e 2 digit   1 digit

Remember to:

- find the 2d number
- count on the amount to be added
- write down where ou ha e landed

Big Maths

Repeat Questions

Remember To:

- find the 2d number
- count on the amount to be added
- write down where you have landed

1 93 + 3 =

2 70 + 2 =

3 53 + 2 =

4 57 + 1 =

5 67 + 2 =

6 58 + 1 =

7 53 + 1 =

8 37 + 1 =

9 47 + 1 =

10 87 + 1 =

Big Maths

Repeat Answers

Remember To:

- find the 2d number
- count on the amount to be added
- write down where you have landed

1 93 + 3 = **96**

2 70 + 2 = **72**

3 53 + 2 = **55**

4 57 + 1 = **58**

5 67 + 2 = **69**

6 58 + 1 = **59**

7 53 + 1 = **54**

8 37 + 1 = **38**

9 47 + 1 = **48**

10 87 + 1 = **88**

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

Remember To:
- find the 2d number
- count on the amount to be added
- write down where you have landed

1 53cm + 3cm =

2 65m + 2m =

3 53L + 2L =

4 57ml + 1ml =

5 77L + 2L =

6 58kg + 1kg =

7 53m + 1m =

8 37km + 1km =

9 47s + 3s =

10 87ml + 1ml =

Big Maths

Revisit Answers

Step 17	Addition
	I can solve 2d + 1d

Remember To:

- find the 2d number
- count on the amount to be added
- write down where you have landed

1 63cm + 3cm = **66cm**

2 65m + 2m = **67m**

3 53L + 2L = **55L**

4 57ml + 1ml = **58ml**

5 77L + 2L = **79L**

6 58kg + 1kg = **59kg**

7 53m + 1m = **54m**

8 37km + 1km = **38km**

9 47s + 3s = **50s**

10 87ml + 1ml = **88ml**

Real Life Maths Questions

Step 17

Addition

I can solve 2d + 1d

Remember to:
- find the 2d number
- count on the amount to be added
- write down where you have landed

1
Pim has 67ml of tea in a cup. He adds 2ml more. How much tea is in the cup?

2
What is the sum of 32 and 6?

3
There are 41 plums in one jar and 8 plums in another jar. How many plums are there altogether?

4
Mully went to the shop and bought magazines for £23 and a book for £5. How much did it cost altogether?

5
Speedy Col made a pile of 85 potatoes. She put 2 more potatoes in the pile. How many are in the pile now?

Step 17 **Addition**

I can solve 2d + 1d

Remember to:

- find the 2d number
- count on the amount to be added
- write down where you have landed

1

Pim has 67ml of tea in a cup. He adds 2ml more. How much tea is in the cup?

There is 69ml of tea in the cup.

2

What is the sum of 32 and 6?

The answer is 38.

3

There are 41 plums in one jar and 8 plums in another jar. How many plums are there altogether?

There are 49 plums altogether.

4

Mully went to the shop and bought magazines for £23 and a book for £5. How much did it cost altogether?

It cost £28 altogether.

5

Speedy Col made a pile of 85 potatoes. She put 2 more potatoes in the pile. How many are in the pile now?

There are 87 potatoes in the pile.

Big Maths

Select Questions

Step 17 | **Addition**

I can solve 2d + 1d

Remember To:
- find the 2d number
- count on the amount to be added
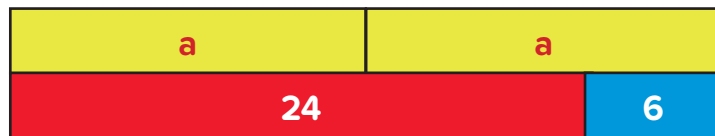- write down where you have landed

---

1

Oranges cost 34p each. Rhianna finds the total of the five coins in her pocket and realises she does not have enough money to buy 2 oranges. How much more money does she need?

2
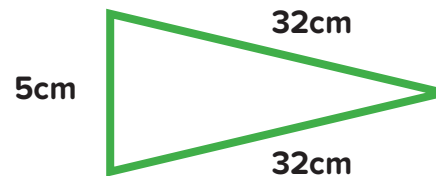
What number does a represent in this picture?

a	a
24	6

3

Which is the odd one out?

35kg + 2kg   **40kg + 10kg + 8kg**

40kg - 3kg

4

What is the total distance around the three sides of this triangle?

5cm
32cm
32cm

5

08 : 22

Paul's digital clock is seven minutes slow. He says that the correct time must be just after half past eight. Is Paul correct?

Addition

I can solve 2d + 1d

Remember To:
- find the 2d number
- count on the amount to be added
- write down where you have landed

1

Rhianna needs 6 pence more.

2

a = 15

3

35kg +2kg   **40kg + 10kg + 8kg**

40kg - 3kg

4

69cm

5

No. The time would be 8:29.

Set 1

Question 7 -   I can add a 2 digit tens number to another one

Remember to:

- use   our   earn lts to find how man   tens altogether
- turn   our tens total back into a number
     tens   0

Big Maths

Repeat Questions

Remember To:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 $40 + 40 =$

2 $30 + 60 =$

3 $10 + 80 =$

4 $20 + 10 =$

5 $50 + 30 =$

6 $70 + 10 =$

7 $40 + 10 =$

8 $80 + 10 =$

9 $10 + 30 =$

10 $70 + 20 =$

Big Maths

Repeat Answers

Step 18	Addition

I can add a 2d tens number to another one

Remember To:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 $40 + 40 = 80$

2 $30 + 60 = 90$

3 $10 + 80 = 90$

4 $20 + 10 = 30$

5 $50 + 30 = 80$

6 $70 + 10 = 80$

7 $40 + 10 = 50$

8 $80 + 10 = 90$

9 $10 + 30 = 40$

10 $70 + 20 = 90$

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

Step 18 — Addition

I can add a 2d tens number to another one

Remember To:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 50ml + 30ml =

2 80g + 10g =

3 30mg + 80mg =

4 50ml + 10ml =

5 60L + 30L =

6 70cm + 10cm =

7 40kg + 10kg =

8 80ml + 10ml =

9 10L + 30L =

10 70m + 20m =

Step 18 — **Addition**

I can add a 2d tens number to another one

Remember To:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 — 50ml + 30ml = **80ml**

2 — 80g + 10g = **90g**

3 — 30mg + 50mg = **80mg**

4 — 50ml + 10ml = **60ml**

5 — 60L + 30L = **90L**

6 — 70cm + 10cm = **80cm**

7 — 40kg + 10kg = **50kg**

8 — 80ml + 10ml = **90ml**

9 — 10L + 30L = **40L**

10 — 70m + 20m = **90m**

Big Maths

Real Life Maths Questions

Remember to:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 Mully has 60 conkers and his friend gives him 20 more. How many conkers does Mully have?

2 Pim made a pile of 50 bricks. He put 20 more bricks in the pile. How many are in the pile now?

3 Speedy Col has 20L of water in a barrel. She adds 40L more. How much liquid is in the barrel?

4 Pom ran 80km. He had a rest. He ran another 10km. How far did he go in total?

5 What is 70 + 20?

Step 18 **Addition**

I can add a 2d tens number to another one

Remember to:

- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 Mully has 60 conkers and his friend gives him 20 more. How many conkers does Mully have?

Mully has 80 conkers.

2 Pim made a pile of 50 bricks. He put 20 more bricks in the pile. How many are in the pile now?

There are 70 bricks in the pile.

3 Speedy Col has 20L of water in a barrel. She adds 40L more. How much liquid is in the barrel?

There is 60L of liquid in the barrel.

4 Pom ran 80km. He had a rest. He ran another 10km. How far did he go in total?

He ran 90km in total.

5 What is 70 + 20?

The answer is 90.

Big Maths **Select** Questions

I can add a 2d tens number to another one

Remember To:
- use your 'Learn Its' to find how many tens altogether
- turn your tens total back into a number (6 tens = 60)

1 Oliver spends exactly £1 on fruit. He says he can buy two oranges and two apples for £1. Is he correct? What else could he buy for exactly £1?

20p **30p** **40p**

2 What number does the letter n represent in this picture?

30	n
50	20

3 Emma has four coins in her pocket. The coins total exactly £1.
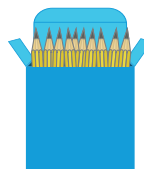Two of the coins are shown in this picture.
What are the other two coins?

?
?

4 What is the total distance around the four sides of this rectangle?

30cm
10cm

5 A pack of 10 pencils costs 40p. Luke wants to buy 30 pencils. How much will this cost?

10 pencils 40p

Step 18

Addition

I can add a 2d tens number to another one

1

Oliver is correct.
For £1 Oliver could also buy: two pears and one apple, two oranges and a pear, one pear and three apples or five apples.

2

n = 40

3

The other coins are 50 pence and 10 pence

4

80cm

5

£1.20

Question 8 - I can take a 1 digit number from a multiple of 10

Remember to:

- find the starting number
- count back the right amount
- see where ou ha e landed

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

Subtraction

I can take a 1d number from a multiple of 10

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

1 80 - 8 =

2 40 - 8 =

3 70 - 9 =

4 70 - 3 =

5 80 - 5 =

6 20 - 8 =

7 10 - 4 =

8 80 - 1 =

9 90 - 8 =

10 60 - 6 =

Set 1

Repeat Answers

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

1 80 - 8 = **72**

2 40 - 8 = **32**

3 70 - 9 = **61**

4 70 - 3 = **67**

5 80 - 5 = **75**

6 20 - 8 = **12**

7 10 - 4 = **6**

8 80 - 1 = **79**

9 90 - 8 = **82**

10 60 - 6 = **54**

Big Maths

Revisit Questions

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

1 90m - 8m =

2 90cm - 8cm =

3 60km - 9km =

4 40g - 3g =

5 80mg - 5mg =

6 20L - 8L =

7 10ml - 4ml =

8 80s - 1s =

9 90mm - 8mm =

10 60kg - 6kg =

Revisit Answers

Step 16 — Subtraction

I can take a 1d number from a multiple of 10

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

1 90m - 8m = **82m**

2 90cm - 8cm = **82cm**

3 60km - 9km = **51km**

4 40g - 3g = **37g**

5 80mg - 5mg = **75mg**

6 20L - 8L = **12L**

7 10ml - 4ml = **6ml**

8 80s - 1s = **79s**

9 90mm - 8mm = **82mm**

10 60kg - 6kg = **54kg**

Real Life Maths Questions

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

1 Pim has 30 sweets. He gave his friend 2 sweets. How many sweets does Pim have now?

2 Pim has 40 apples. He gives Pom 4 of his apples. How many apples does Pim have left?

3 There are 70 cherries in a jar. Pim took 7 cherries out. How many cherries are there now?

4 Pim had to run 80km. So far he has run 9km. What is the total distance he has left to go?

5 Pim has 90ml of water in a jug. He poured out 8ml. How much liquid is in the jug?

![Big Maths logo] **Real Life Maths** Answers

Remember to:

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

1 Pim has 30 sweets. He gave his friend 2 sweets. How many sweets does Pim have now?

He has 28 sweets.

2 Pim has 40 apples. He gives Pom 4 of his apples. How many apples does Pim have left?

Pim has 36 apples.

3 There are 70 cherries in a jar. Pim took 7 cherries out. How many cherries are there now?

There are 63 cherries in the jar.

4 Pim had to run 80km. So far he has run 9km. What is the total distance he has left to go?

He still has to go 71km.

5 Pim has 90ml of water in a jug. He poured out 8ml. How much liquid is in the jug?

There is 82ml of water in the jug.

Big Maths

Select Questions

Step 16 — **Subtraction**

I can take a 1d number from a multiple of 10

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

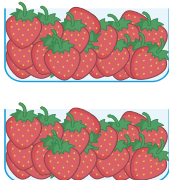**1** Which is the odd one out?   **90p - 8p**   **Double 41p**

2 What is the length of the red rectangle?

6cm	?
40cm	40cm

3 Katy finishes her Big Maths Beat That Learn Its Challenge in exactly one minute. Her best friend Emily completes the same challenge six seconds quicker. How long does Emily take to complete her challenge?

4 There are twenty strawberries in each container. Paul eats three strawberries. Jake eats two more strawberries than Paul. How many strawberries are left?

5 08 : 00   Mohammed sets his alarm for eight o'clock in the morning so he can get ready for school. One morning he wakes up five minutes before the alarm is due to go off! What time did he wake up?

Big Maths

Select Answers

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

1

90p - 8p

Double 41p

2

The red rectangle is 74cm long.

3

Emily takes 54 seconds to complete her challenge.

4

32 strawberries are left.

5

07:55

Question 9 -   I can sol e 2 digit   1 digit

Remember to:

- find the starting number
- count back the right amount
- see where   ou ha e landed

![Big Maths logo]

Repeat Questions

Step 17 — **Subtraction**

I can solve 2d - 1d

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

1 81 - 1 =

2 91 - 1 =

3 51 - 1 =

4 12 - 1 =

5 36 - 3 =

6 99 - 8 =

7 82 - 2 =

8 61 - 1 =

9 38 - 3 =

10 46 - 5 =

Big Maths

Repeat Answers

Remember To:

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

1 81 - 1 = **80**

2 91 - 1 = **90**

3 51 - 1 = **50**

4 12 - 1 = **11**

5 36 - 3 = **33**

6 99 - 8 = **91**

7 82 - 2 = **80**

8 61 - 1 = **60**

9 38 - 3 = **35**

10 46 - 5 = **41**

Big Maths Revisit Questions

I can solve 2d - 1d

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

1 71m - 1m =

2 51cm - 1cm =

3 61km - 1km =

4 12g - 1g =

5 36mg - 3mg =

6 99L - 8L =

7 82ml - 2ml =

8 61s - 1s =

9 38mm - 3mm =

10 46kg - 5kg =

Set 1

Step 17 | **Subtraction**

I can solve 2d - 1d

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

1 71m - 1m = **70m**

2 51cm - 1cm = **50cm**

3 61km - 1km = **60km**

4 12g - 1g = **11g**

5 36mg - 3mg = **33mg**

6 99L - 8L = **91L**

7 82ml - 2ml = **80ml**

8 61s - 1s = **60s**

9 38mm - 3mm = **35mm**

10 46kg - 5kg = **41kg**

Real Life Maths Questions

Subtraction

I can solve 2d - 1d

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

1 Pim has 75 apples. He gave his friend 3 apples. How many apples does Pim have now?

2 Pim has 67 chocolates. He gives Pom 6 of his chocolates. How many chocolates does Pim have left?

3 Pim took away 3g of sweets from the weighing scales. He started with 54g. What is the weight on the scales?

4 Pim had to run 66km. So far he has run 4km. What is the total distance he has left to go?

5 What is 99 take away 5?

Step 17

Subtraction

I can solve 2d - 1d

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

1 Pim has 75 apples. He gave his friend 3 apples. How many apples does Pim have now?

Pim has 72 apples.

2 Pim has 67 chocolates. He gives Pom 6 of his chocolates. How many chocolates does Pim have left?

Pim has 61 chocolates left.

3 Pim took away 3g of sweets from the weighing scales. He started with 54g. What is the weight on the scales?

There is 51g on the scales.

4 Pim had to run 66km. So far he has run 4km. What is the total distance he has left to go?

He still has to go 62km.

5 What is 99 take away 5?

The answer is 94.

Select Questions
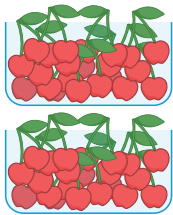
Subtraction

I can solve 2d - 1d

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

1

There are exactly thirty four cherries in each container. Paul eats four cherries. Ben eats one fewer cherries than Paul. How many cherries are left?

2

The total weight of all three coins is 29g.
The weight of a £2 coin is 12g.
What is the weight of the 20p coin?

3

There are eighteen crayons in a full box. A schoolteacher finds that he has two boxes of crayons in his classroom. One of the boxes is full but the other box has four crayons missing. How many crayons are there altogether?

4

There are fourteen apples in each bag.
Jess eats two apples. Becky eats twice as many apples as Jess. How many apples are left?

5

Cup cakes are sold in boxes with four cakes in each box. James buys four boxes of cup cakes. Five cup cakes are eaten. How many cup cakes are left?

Step 17

Subtraction

I can solve 2d - 1d

1

61 cherries are left.

2

The weight of the 20p coin is 5g.

3

There are 32 crayons altogether.

4

There are 22 apples left.

5

There are 11 cup cakes left.

Question 10 -   I can sol e an   2 digit   1 digit

Remember to:

- find the starting number
- count back the right amount
- see where ou ha e landed

Repeat Questions

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

1 89 - 9 =

2 93 - 3 =

3 63 - 5 =

4 44 - 7 =

5 68 - 3 =

6 55 - 3 =

7 22 - 5 =

8 64 - 8 =

9 22 - 7 =

10 14 - 7 =

Repeat Answers

Step 18 — Subtraction

I can solve any 2d - 1d

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

1 89 - 9 = **80**

2 93 - 3 = **90**

3 63 - 5 = **58**

4 44 - 7 = **37**

5 68 - 3 = **65**

6 55 - 3 = **52**

7 22 - 5 = **17**

8 64 - 8 = **56**

9 22 - 7 = **15**

10 14 - 7 = **7**

Revisit Questions

Step 18 — **Subtraction**

I can solve any 2d - 1d

1 75m - 5m =

2 54cm - 3cm =

3 67km - 2km =

4 33g - 1g =

5 99mg - 1mg =

6 34L - 3L =

7 86ml - 1ml =

8 42s - 1s =

9 28mm - 4mm =

10 22kg - 2kg =

Revisit Answers

Step 18 — **Subtraction**

I can solve any 2d - 1d

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

1 75m - 5m = **70m**

2 54cm - 3cm = **51cm**

3 67km - 2km = **65km**

4 33g - 1g = **32g**

5 99mg - 1mg = **98mg**

6 34L - 3L = **31L**

7 86ml - 1ml = **85ml**

8 42s - 1s = **41s**

9 28mm - 4mm = **24mm**

10 22kg - 2kg = **20kg**

Set 1

Big Maths

Real Life Maths Questions

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

1 Count Fourways has £78. He spent £9 on cards. How much does he have left?

2 Pim puts 65g of berries on the weighing scales. He took away 8g. What is the weight on the scales?

3 Pim had to run 83km. So far he has run 9km. What is the total distance he has left to go?

4 Pim has 53L of water in a jug. He poured out 6L. How much liquid is in the jug?

5 What is 62 take away 7?

Big Maths

Real Life Maths Answers

Step 18

Subtraction

I can solve any 2d - 1d

Remember to:

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

1 Count Fourways has £78. He spent £9 on cards. How much does he have left?

Count Fourways has £69 left.

2 Pim puts 65g of berries on the weighing scales. He took away 8g. What is the weight on the scales?

There is 57g on the scales.

3 Pim had to run 83km. So far he has run 9km. What is the total distance he has left to go?

He still needs to go 74km.

4 Pim has 53L of water in a jug. He poured out 6L. How much liquid is in the jug?

There is 47L of liquid in the jug.

5 What is 62 take away 7?

The answer is 55.

Big Maths

Select Questions

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

1

Paul says that you would need exactly twenty seven small cubes to make this large cube. Is he correct? Can you prove it? The top layer of nine cubes is removed. How many cubes are left?

2

The total weight of all three coins is 23g.
The weight of the 20p coin is 5g.
What is the total weight of a one pound coin?

3

A clock shows a time of a quarter to ten in the morning. The clock does not show the correct time because it is seven minutes fast. What is the correct time?

4

This pictogram shows the number of bottles Jenny and Jack have been able to re-cycle. How many more bottles has Jenny re-cycled than Jack?

Key: Four plastic bottles ●

Jenny ● ● ● ● ◗

Jack ● ◖

5

A two digit number take away a one digit number equals twenty eight. How many different answers can you find for both numbers?

☐☐ – ☐ = **28**

Step 18

Subtraction

I can solve any 2d - 1d

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

1

Paul is not correct as you would need 64 cubes to make this cube. This is because it is 4 cubes wide and high.

2

The total weight of a £1 coin is 9g.

3

09:38

4

Jenny has recycled 11 more bottles than Jack.

5

e.g. 29 - 1, 30 - 2, 31 - 3 etc