



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 skills 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.

CLIC 7 SET 1

BEAT THAT!

Names: _____

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 $43 - 10 =$

© Andrew Education MY LAST SCORE?: HAVE I BEAT THAT?: **10**

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.



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 $43 - 10 =$





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**

6Write 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**

$$43 - 10 =$$

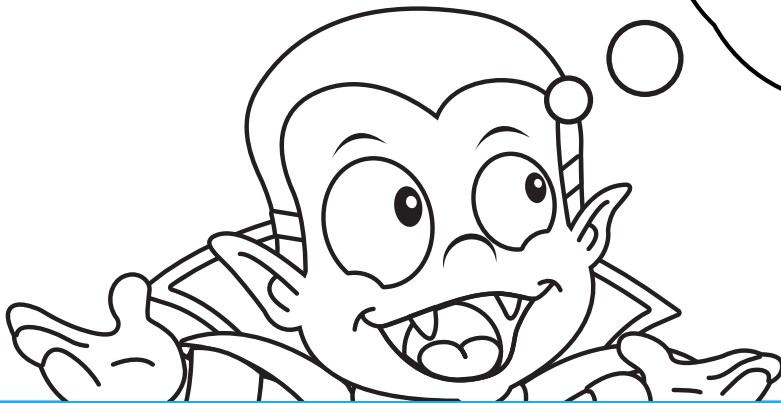
33

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

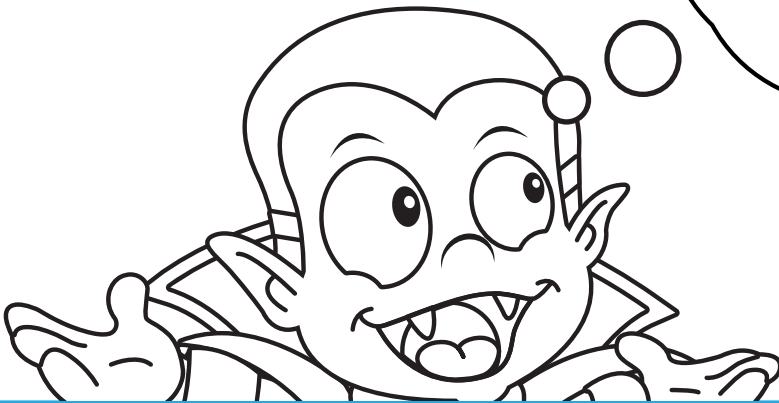
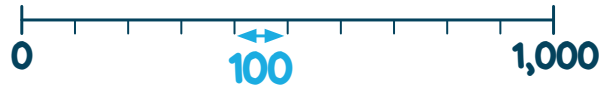
Example**1 100, 200,****2 800, 900,****3 1600, 1700,****4 2400, 2500,****5 3100, 3200,****6 4400, 4500,****7 7500, 7600,****8 8200, 8300,****9 9400, 9500,****10 6600, 6700,**

Step
3

Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example



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

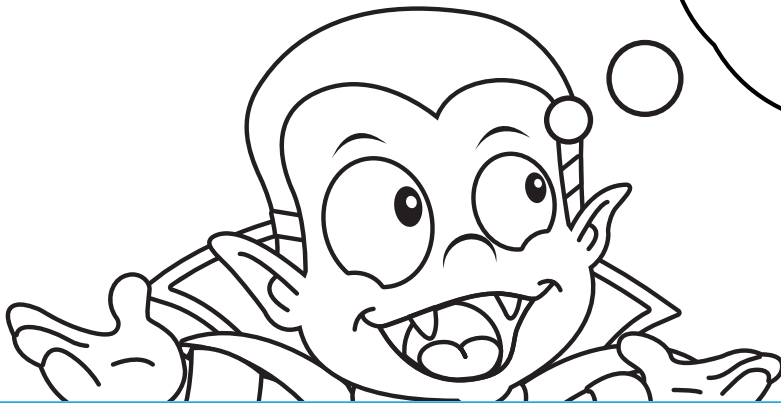
10 6600, 6700, 6800,
6900, 7000

Step
3

Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example



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,

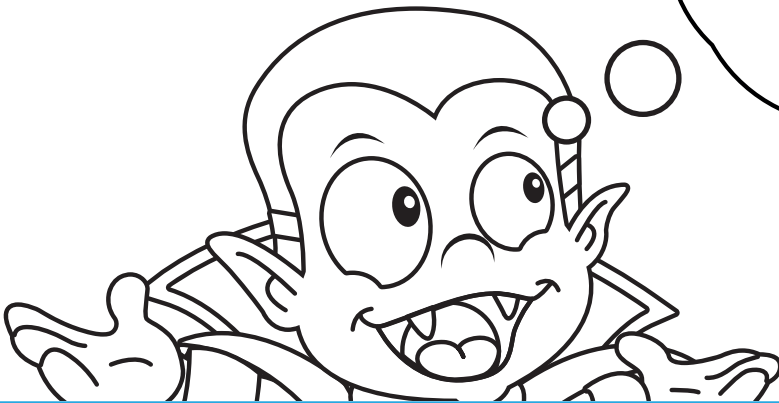
10 6600s, 6700s,

Step
3

Count Along in 4 Ways

100s / 200s / 500s / 2500s

Example



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

Question 2 - I can add tens

Remember to:

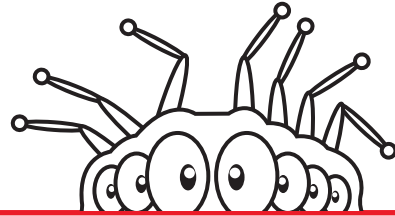
- use your addition Learn Its
- swap 'the thing' to a ten

**Step
1****INN: Addition and
Subtraction**

I can add tens

Remember To:

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



1 $10\text{m} + 30\text{m} =$

2 $30\text{cm} + 50\text{cm} =$

3 $50\text{km} + 40\text{km} =$

4 $40\text{g} + 10\text{g} =$

5 $20\text{mg} + 40\text{mg} =$

6 $20\text{L} + 10\text{L} =$

7 $80\text{ml} + 10\text{ml} =$

8 $10\text{s} + 10\text{s} =$

9 $20\text{mm} + 50\text{mm} =$

10 $60\text{kg} + 30\text{kg} =$

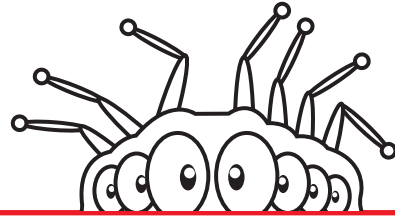
Step
1

INN: Addition and
Subtraction

I can add tens

Remember To:

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



$$1 \quad 10\text{m} + 30\text{m} = 40\text{m}$$

$$2 \quad 30\text{cm} + 50\text{cm} = 80\text{cm}$$

$$3 \quad 50\text{km} + 40\text{km} = 90\text{km}$$

$$4 \quad 40\text{g} + 10\text{g} = 50\text{g}$$

$$5 \quad 20\text{mg} + 40\text{mg} = 60\text{mg}$$

$$6 \quad 20\text{L} + 10\text{L} = 30\text{L}$$

$$7 \quad 80\text{ml} + 10\text{ml} = 90\text{ml}$$

$$8 \quad 10\text{s} + 10\text{s} = 20\text{s}$$

$$9 \quad 20\text{mm} + 50\text{mm} = 70\text{mm}$$

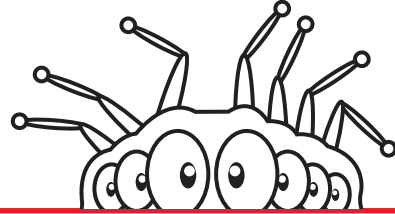
$$10 \quad 60\text{kg} + 30\text{kg} = 90\text{kg}$$

Step
1INN: 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 $20 + 50 =$

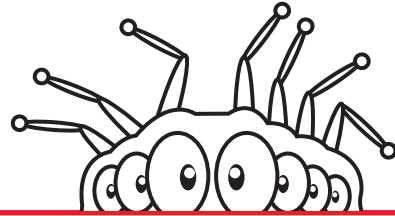
10 $60 + 30 =$

Step
1INN: Addition and
Subtraction

I can add tens

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

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?

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**

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**

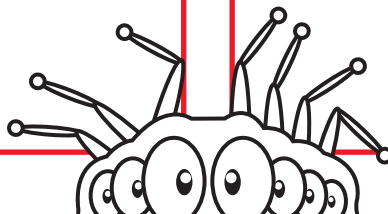
**Step
3****Doubling With Pim (With
Crossing 10)**

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**

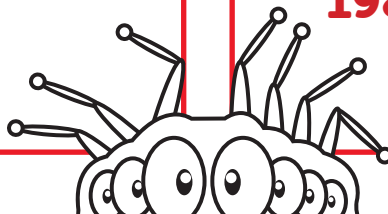
Step
3Doubling With Pim (With
Crossing 10)

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
152cm3 Double 67km is
134km4 Double 77g is **154g**5 Double 56mg is
112mg6 Double 99L is **198L**7 Double 69ml is
138ml8 Double 84s is **168s**9 Double 73mm is
146mm10 Double 99kg is
198kg

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

I can double 2d numbers

Remember to:

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

1

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

2

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

3

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

4

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

5

What is double 99?

**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 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

**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**

**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 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**

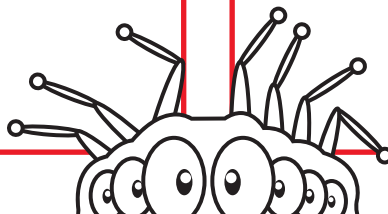
**Step
2****Doubling With Pim (With
Crossing 10)**

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****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**

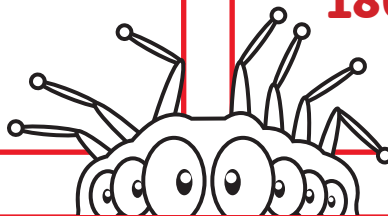
Step
2Doubling With Pim (With
Crossing 10)

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
140cm3 Double 20km is
40km4 Double 80g is **160g**5 Double 90mg is
180mg6 Double 40L is **80L**7 Double 10ml is **20ml**8 Double 70s is **140s**9 Double 60mm is
120mm10 Double 90kg is
180kg

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**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?**

**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**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

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**

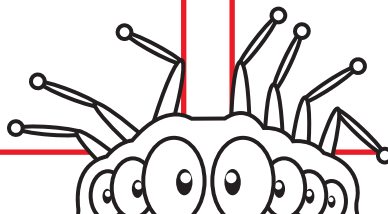
Step
2**Halving With Pim**

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**

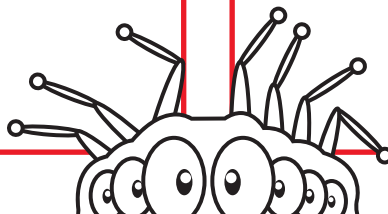
**Step
2****Halving With Pim**

I know half of 30, 50, 70, 90

Remember To:

learn that, half of...

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

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**

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?****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?**

**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

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

$$70 + 30 = 100$$

$$30 + 70 = 100$$

$$100 - 30 = 70$$

$$100 - 70 = 30$$

$$1 \quad 70 + 20 = 90$$

$$2 \quad 40 + 60 = 100$$

$$3 \quad 30 + 20 = 50$$

$$4 \quad 10 + 90 = 100$$

$$5 \quad 50 + 20 = 70$$

$$6 \quad 10 + 30 = 40$$

$$7 \quad 60 + 10 = 70$$

$$8 \quad 30 + 40 = 70$$

$$9 \quad 20 + 40 = 60$$

$$10 \quad 10 + 40 = 50$$

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

$$70 + 30 = 100$$

$$30 + 70 = 100$$

$$100 - 30 = 70$$

$$100 - 70 = 30$$

$$\textcircled{1} \quad 10\text{g} + 90\text{g} = 100\text{g}$$

$$\textcircled{2} \quad 40\text{cm} + 60\text{cm} = 100\text{cm}$$

$$\textcircled{3} \quad 10\text{L} + 30\text{L} = 40\text{L}$$

$$\textcircled{4} \quad 70\text{m} + 20\text{m} = 90\text{m}$$

$$\textcircled{5} \quad 30\text{s} + 40\text{s} = 70\text{s}$$

$$\textcircled{6} \quad 30\text{km} + 20\text{km} = 50\text{km}$$

$$\textcircled{7} \quad 10\text{kg} + 40\text{kg} = 50\text{kg}$$

$$\textcircled{8} \quad 50\text{mg} + 20\text{mg} = 70\text{mg}$$

$$\textcircled{9} \quad 20\text{mm} + 40\text{mm} = 60\text{mm}$$

$$\textcircled{10} \quad 60\text{ml} + 10\text{ml} = 70\text{ml}$$

**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

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

3

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

5

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

7

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

9

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

2

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

4

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

6

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

8

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

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.

**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 Practice Resources

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

Remember to:

- find the number
- add one to the tens digit

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 $40 + 10 =$

Step
14

Addition

I can add 10 to a 2d tens number

Remember To:

- find the number
- add one to the tens digit

$$1 \quad 70 + 10 = 80$$

$$2 \quad 30 + 10 = 40$$

$$3 \quad 90 + 10 = 100$$

$$4 \quad 80 + 10 = 90$$

$$5 \quad 20 + 10 = 30$$

$$6 \quad 10 + 10 = 20$$

$$7 \quad 60 + 10 = 70$$

$$8 \quad 60 + 10 = 70$$

$$9 \quad 10 + 10 = 20$$

$$10 \quad 40 + 10 = 50$$

Step
14

Addition

I can add 10 to a 2d tens number

Remember To:

- find the number
- add one to the tens digit

1 $70\text{mg} + 10\text{mg} =$

2 $30\text{g} + 10\text{g} =$

3 $90\text{cm} + 10\text{cm} =$

4 $80\text{mm} + 10\text{mm} =$

5 $50\text{L} + 40\text{L} =$

6 $10\text{ml} + 10\text{ml} =$

7 $60\text{g} + 10\text{g} =$

8 $30\text{mg} + 10\text{mg} =$

9 $20\text{km} + 20\text{km} =$

10 $40\text{m} + 10\text{m} =$

Step
14

Addition

I can add 10 to a 2d tens number

Remember To:

- find the number
- add one to the tens digit

1

$$70\text{mg} + 10\text{mg} = 80\text{mg}$$

2

$$30\text{g} + 10\text{g} = 40\text{g}$$

3

$$90\text{cm} + 10\text{cm} = 100\text{cm}$$

4

$$80\text{mm} + 10\text{mm} = 90\text{mm}$$

5

$$50\text{L} + 40\text{L} = 90\text{L}$$

6

$$10\text{ml} + 10\text{ml} = 20\text{ml}$$

7

$$60\text{g} + 10\text{g} = 70\text{g}$$

8

$$30\text{mg} + 10\text{mg} = 40\text{mg}$$

9

$$20\text{km} + 20\text{km} = 40\text{km}$$

10

$$40\text{m} + 10\text{m} = 50\text{m}$$

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?

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.

Step
14

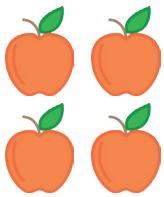
Addition

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?



3

Which is the odd one out?

$$30p + 10p$$

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

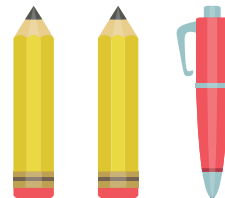
$$50p - 10p$$

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

Remember To:

- find the number
- add one to the tens digit

1

40 pence

2

45cm

3

 $30\text{p} + 10\text{p}$ $\frac{1}{2}$ of 70p $50\text{p} - 10\text{p}$

4

1 minute / 60 seconds

5

40 pence

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

Step
15**Addition**

I can add 10 to any 2d number

Remember To:

- find the number
- add one to the tens digit

1 $81 + 10 =$

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 $75 + 10 =$

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 $76\text{ml} + 10\text{ml} =$

2 $52\text{L} + 10\text{L} =$

3 $17\text{g} + 10\text{g} =$

4 $65\text{mg} + 10\text{mg} =$

5 $78\text{kg} + 10\text{kg} =$

6 $83\text{L} + 10\text{L} =$

7 $86\text{g} + 10\text{g} =$

8 $71\text{km} + 10\text{km} =$

9 $87\text{m} + 10\text{m} =$

10 $85\text{g} + 10\text{g} =$

Step
15

Addition

I can add 10 to any 2d number

Remember To:

- find the number
- add one to the tens digit

$$1 \quad 76\text{ml} + 10\text{ml} = 86\text{ml}$$

$$2 \quad 52\text{L} + 10\text{L} = 62\text{L}$$

$$3 \quad 17\text{g} + 10\text{g} = 27\text{g}$$

$$4 \quad 65\text{mg} + 10\text{mg} = 75\text{mg}$$

$$5 \quad 78\text{kg} + 10\text{kg} = 88\text{kg}$$

$$6 \quad 83\text{L} + 10\text{L} = 93\text{L}$$

$$7 \quad 86\text{g} + 10\text{g} = 96\text{g}$$

$$8 \quad 71\text{km} + 10\text{km} = 81\text{km}$$

$$9 \quad 87\text{m} + 10\text{m} = 97\text{m}$$

$$10 \quad 85\text{g} + 10\text{g} = 95\text{g}$$

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.

Step 15

Addition

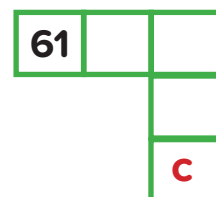
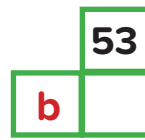
I can add 10 to any 2d number

Remember To:

- find the number
- add one to the tens digit

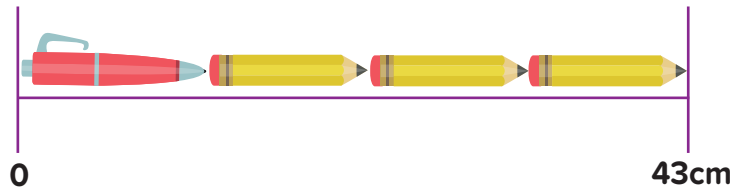
1

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



2

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



3

Which is the odd one out?

$$36p + 10p$$

$$\text{Double } 23p$$

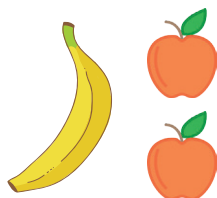
$$56p - 10p - 10p$$

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?



Step
15**Addition**

I can add 10 to any 2d number

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

Question 9 - I can take 10 from a multiple of 10

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

Remember To:

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

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 $50 - 10 =$

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

$$50 - 10 = 40$$

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

$80\text{m} - 10\text{m} =$

2

$60\text{cm} - 10\text{cm} =$

3

$90\text{km} - 50\text{km} =$

4

$60\text{g} - 10\text{g} =$

5

$40\text{mg} - 20\text{mg} =$

6

$30\text{L} - 10\text{L} =$

7

$20\text{ml} - 10\text{ml} =$

8

$80\text{s} - 10\text{s} =$

9

$90\text{mm} - 10\text{mm} =$

10

$50\text{kg} - 10\text{kg} =$

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

$$1 \quad 80\text{m} - 10\text{m} = 70\text{m}$$

$$2 \quad 60\text{cm} - 10\text{cm} = 50\text{cm}$$

$$3 \quad 90\text{km} - 50\text{km} = 40\text{km}$$

$$4 \quad 60\text{g} - 10\text{g} = 50\text{g}$$

$$5 \quad 40\text{mg} - 20\text{mg} = 20\text{mg}$$

$$6 \quad 30\text{L} - 10\text{L} = 20\text{L}$$

$$7 \quad 20\text{ml} - 10\text{ml} = 10\text{ml}$$

$$8 \quad 80\text{s} - 10\text{s} = 70\text{s}$$

$$9 \quad 90\text{mm} - 10\text{mm} = 80\text{mm}$$

$$10 \quad 50\text{kg} - 10\text{kg} = 40\text{kg}$$

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?

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.

Step 13

Subtraction

I can take 10 from a multiple of 10

Remember To:

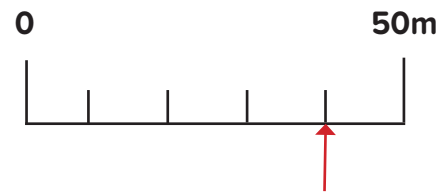
- find the starting number
- count back 10
- see where you have landed

1

$$50\text{m} - 10\text{m}$$

Which is the odd one out?

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



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.

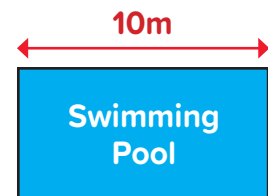
3

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



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?



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

Remember To:

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

1

$$50\text{m} - 10\text{m}$$

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



2

$$50\text{p} + 20\text{p} + 5\text{p} + 5\text{p} = 80\text{p} - 2 \times 5\text{p} = 70$$

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

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 $26 - 10 =$

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 $21 - 10 =$

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

$$26 - 10 = 16$$

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

$$21 - 10 = 11$$

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

$41\text{m} - 10\text{m} =$

2

$55\text{cm} - 10\text{cm} =$

3

$22\text{km} - 10\text{km} =$

4

$54\text{g} - 10\text{g} =$

5

$87\text{mg} - 10\text{mg} =$

6

$95\text{L} - 10\text{L} =$

7

$24\text{l} - 10\text{l} =$

8

$29\text{s} - 10\text{s} =$

9

$44\text{mm} - 10\text{mm} =$

10

$21\text{kg} - 10\text{kg} =$

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

$$1 \quad 41\text{m} - 10\text{m} = 31\text{m}$$

$$2 \quad 55\text{cm} - 10\text{cm} = 45\text{cm}$$

$$3 \quad 22\text{km} - 10\text{km} = 12\text{km}$$

$$4 \quad 54\text{g} - 10\text{g} = 44\text{g}$$

$$5 \quad 87\text{mg} - 10\text{mg} = 77\text{mg}$$

$$6 \quad 95\text{L} - 10\text{L} = 85\text{L}$$

$$7 \quad 24\text{ml} - 10\text{ml} = 14\text{ml}$$

$$8 \quad 29\text{s} - 10\text{s} = 19\text{s}$$

$$9 \quad 44\text{mm} - 10\text{mm} = 34\text{mm}$$

$$10 \quad 21\text{kg} - 10\text{kg} = 11\text{kg}$$

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?

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.**

Step
14

Subtraction

I can take 10 from a 2d number

Remember To:

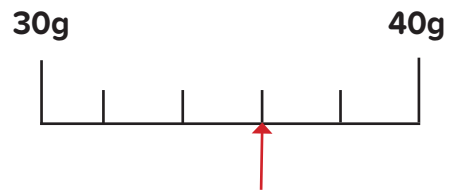
- find the starting number
- count back 10
- see where you have landed

1

Which is the odd one out?

$$46g - 10g$$

$$10g + 23g$$



2

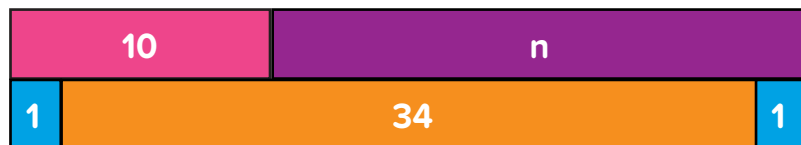


Bananas cost 23p each. Lucy and Jamie want to have a banana each! Unfortunately Lucy only has 10p, so how much money will Jamie need to have for them to be able to buy two bananas?



3

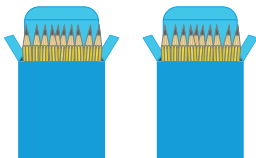
What number is shown by the letter 'n' in this picture?



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?

Step
14

Subtraction

I can take 10 from a 2d number

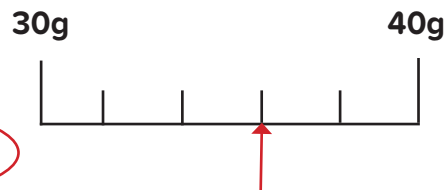
Remember To:

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

1

$$46\text{g} - 10\text{g}$$

$$10\text{g} + 23\text{g}$$



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.