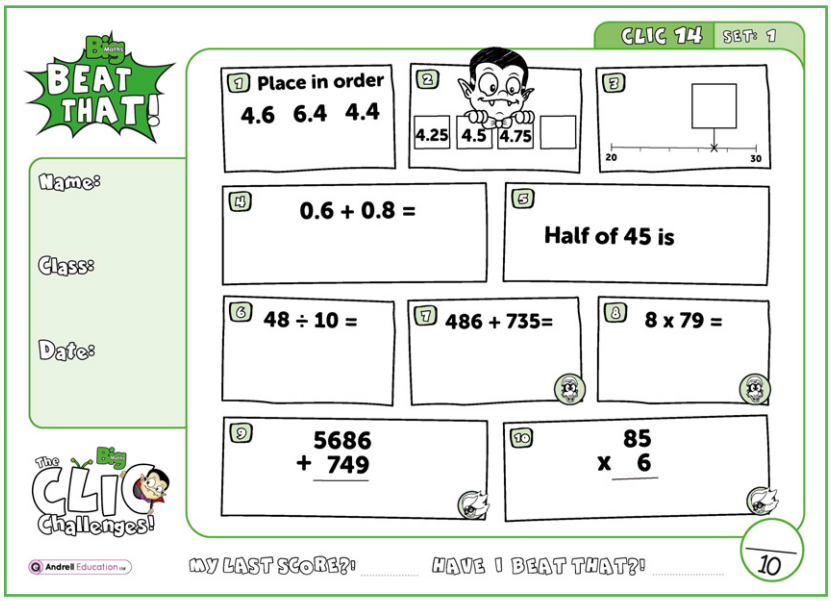
Big Maths

A Guide for Home Learning

CLIC 14

Introduction - CLIC 14

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 1 decimal place numbers

Question 2
I can Count Along In 4 Ways - 0.1s / 0.2s / 0.5s / 0.25s

Question 3
I can even count along when there are no lines

Question 4
I can add tenths

Question 5
I know half of 3, 5, 7, 9 as decimals

Question 6
I can divide whole numbers by 10 or 100 giving decimal answers

Question 7
I can solve any 3 digit + 3 digit

Question 8
I can solve any 1 digit x 2 digit

Question 9
I can solve any 4 digit + 2 digit or 3 digit

Question 10
I can solve any 2 digit x 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 14

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:

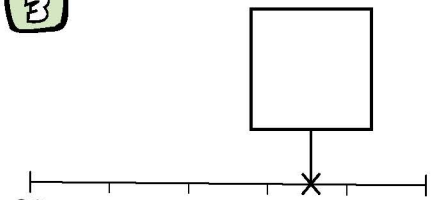
1 Place in order

4.6 6.4 4.4

2

4.25 4.5 4.75 ☐

3



4 0.6 + 0.8 =

5 Half of 45 is

6 48 ÷ 10 =

7 486 + 735=

8 8 x 79 =

9

$$\begin{array}{r} 5686 \\ +\ 749 \\ \hline \end{array}$$

10

$$\begin{array}{r} 85 \\ \times\ 6 \\ \hline \end{array}$$

The Big Maths CLIC Challenges!

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

10

Big Maths BEAT THAT!

Name:

Class:

Date:

1 Place in order

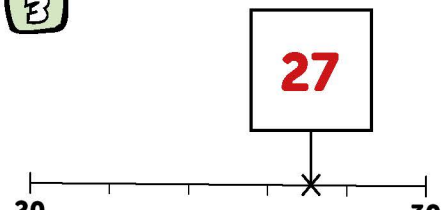
4.6 6.4 4.4

4.4 4.6 6.4

2

4.25 4.5 4.75 5

3



4 0.6 + 0.8 =

1.4

5 Half of 45 is 22.5

6 48 ÷ 10 =

4.8

7 486 + 735=

1221

8 8 x 79 =

632

9

5686
+ 749
6435

10

85
x 6
510

The Big Maths CLIC Challenges!

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

10

Question Practice Resources

Question 1 - I can understand 1 decimal place numbers

Remember to:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit

Repeat Questions

Step 6

Mastery of Numbers

I can understand 1dp numbers

Remember To:

1. $1.1 < 7.5$
2. $5.4 < 6.2$
3. $9.5 > 6.9$
4. $4.3 < 5.0$
5. $3.9 > 2.9$
6. $5.1 > 4.9$
7. $8.7 < 8.6$
8. $3.7 > 3.2$
9. $6.1 < 5.0$
10. $9.2 > 9.2$

Repeat Answers

Step 6

Mastery of Numbers

I can understand 1dp numbers

Remember To:

1. true
2. true
3. true
4. true
5. true
6. true
7. false
8. true
9. false
10. false

Big Maths Revisit Questions

Step 6 Mastery of Numbers

I can understand 1dp numbers

Remember To:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit

1 **4.3m < 8.4m**

2 **6.4cm < 7.2cm**

3 **9.5km > 6.9km**

4 **4.3g < 5.0g**

5 **3.9mg > 2.9mg**

6 **5.1L > 4.9L**

7 **8.7ml < 8.6ml**

8 **3.7s > 3.2s**

9 **6.1mm < 5.0mm**

10 **9.2kg > 9.2kg**

Revisit Answers

Step 6 — Mastery of Numbers

I can understand 1dp numbers

Remember To:

- order the numbers by their whole numbers
- then, if they have the same whole number, order by the tenths digit

1 **true**	2 **true**
3 **true**	4 **true**
5 **true**	6 **true**
7 **false**	8 **true**
9 **false**	10 **false**

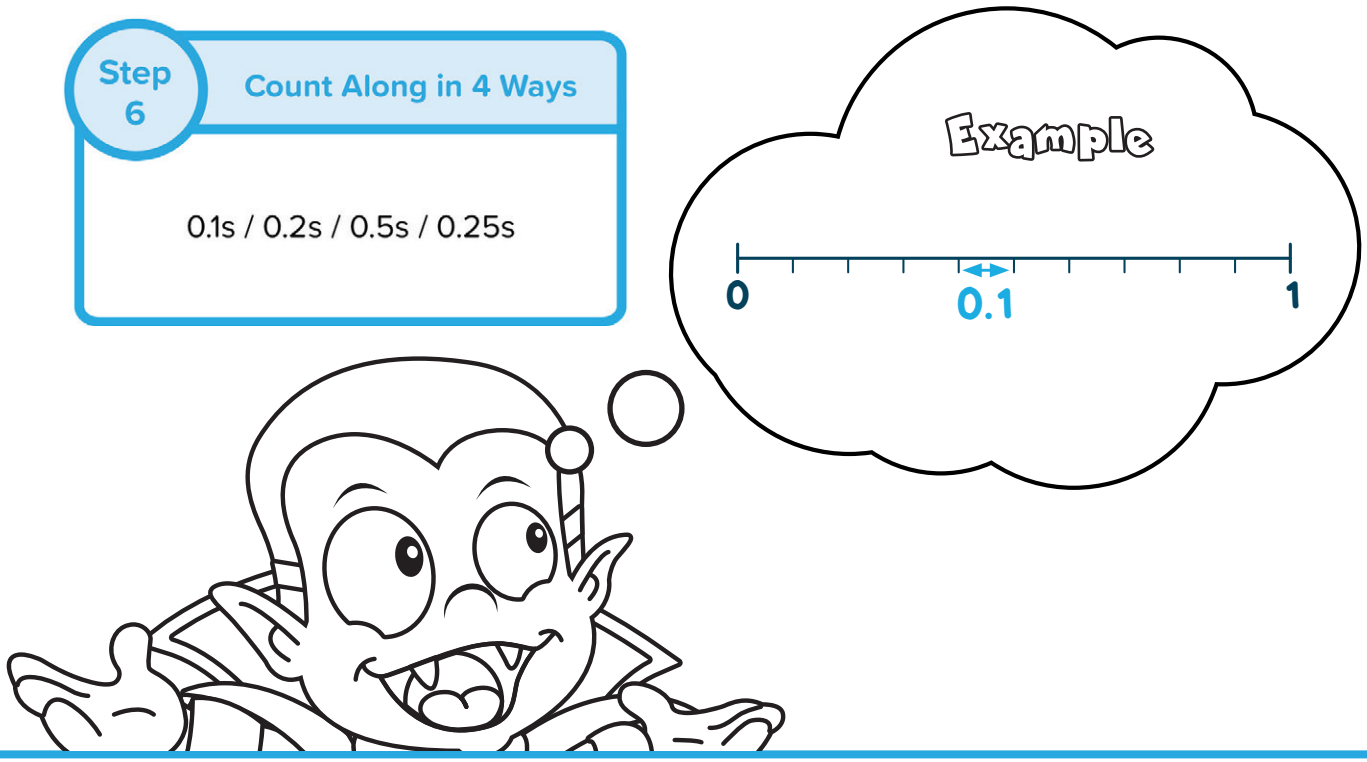
Question Practice Resources

Question 2 - I can Count Along in 4 Ways
0.1s / 0.2s / 0.5s / 0.25s

Big Maths **Repeat** Questions

Step 6 Count Along in 4 Ways

0.1s / 0.2s / 0.5s / 0.25s

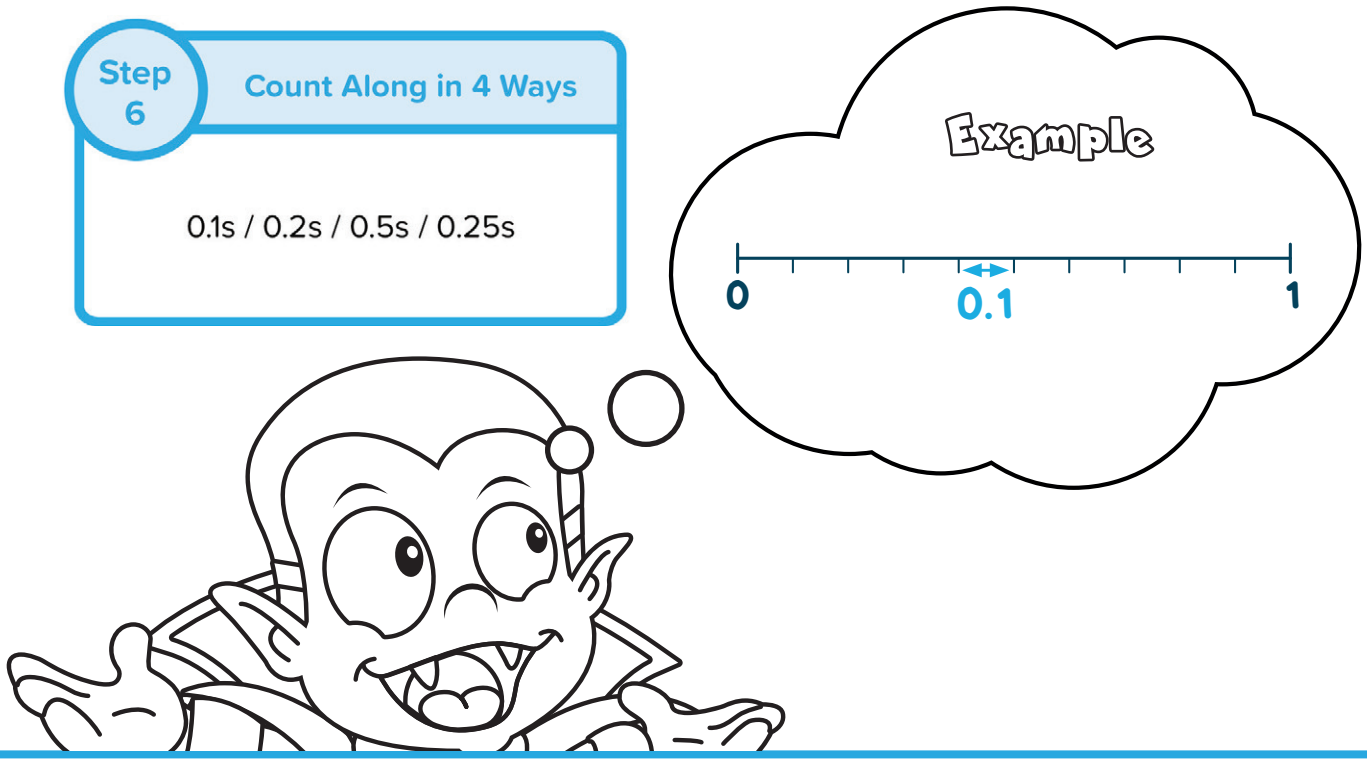


1. **0.1, 0.2,**
2. **0.8, 0.9,**
3. **1.6, 1.7,**
4. **2.4, 2.5,**
5. **3.1, 3.2,**
6. **4.4, 4.5,**
7. **7.5, 7.6,**
8. **8.2, 8.3,**
9. **9.4, 9.5,**
10. **6.6, 6.7,**

Repeat Answers

Step 6 — Count Along in 4 Ways

0.1s / 0.2s / 0.5s / 0.25s

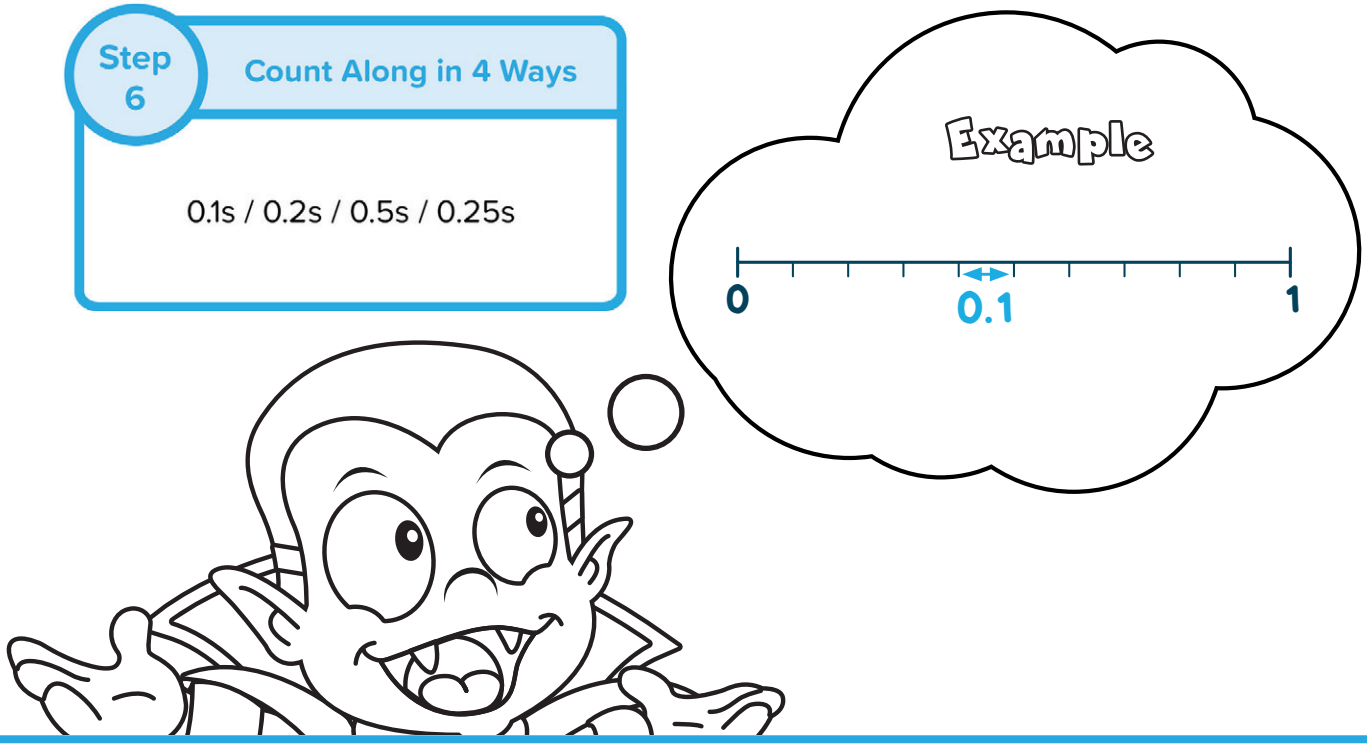


1. 0.1, 0.2, 0.3, 0.4, 0.5
2. 0.8, 0.9, 1.0, 1.1, 1.2
3. 1.6, 1.7, 1.8, 1.9, 2.0
4. 2.4, 2.5, 2.6, 2.7, 2.8
5. 3.1, 3.2, 3.3, 3.4, 3.5
6. 4.4, 4.5, 4.6, 4.7, 4.8
7. 7.5, 7.6, 7.7, 7.8, 7.9
8. 8.2, 8.3, 8.4, 8.5, 8.6
9. 9.4, 9.5, 9.6, 9.7, 9.8
10. 6.6, 6.7, 6.8, 6.9, 7.0

Big Maths Revisit Questions

Step 6 Count Along in 4 Ways

0.1s / 0.2s / 0.5s / 0.25s

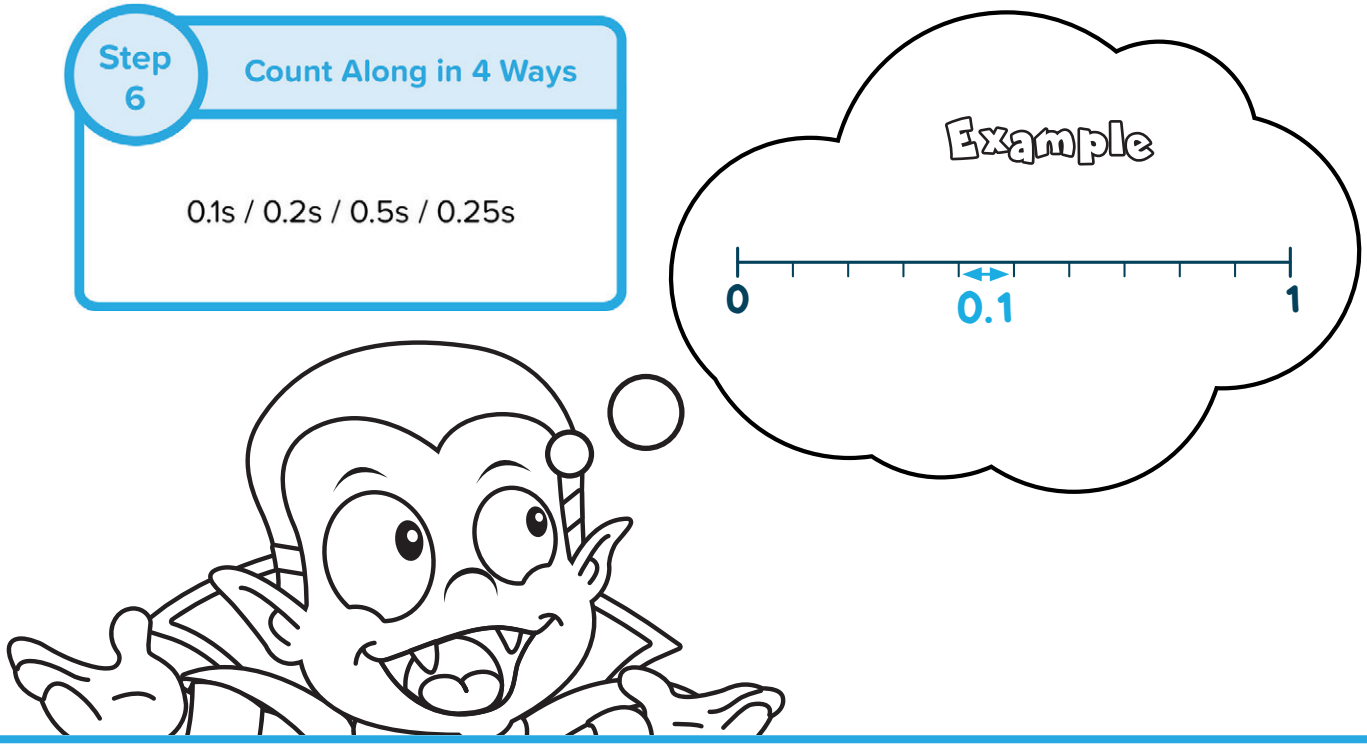


1. 0.1m, 0.2m,
2. 0.8cm, 0.9cm,
3. 1.6km, 1.7km,
4. 2.4g, 2.5g,
5. 3.1mg, 3.2mg,
6. 4.4L, 4.5L,
7. 7.5ml, 7.6ml,
8. 8.2s, 8.3s,
9. 9.4mm, 9.5mm,
10. 6.6kg, 6.7kg,

Big Maths Revisit Answers

Step 6 Count Along in 4 Ways

0.1s / 0.2s / 0.5s / 0.25s



1. 0.1m, 0.2m, **0.3m, 0.4m, 0.5m**
2. 0.8cm, 0.9cm, **1.0cm, 1.1cm, 1.2cm**
3. 1.6km, 1.7km, **1.8km, 1.9km, 2.0km**
4. 2.4g, 2.5g, **2.6g, 2.7g, 2.8g**
5. 3.1mg, 3.2mg, **3.3mg, 3.4mg, 3.5mg**
6. 4.4L, 4.5L, **4.6L, 4.7L, 4.8L**
7. 7.5ml, 7.6ml, **7.7ml, 7.8ml, 7.9ml**
8. 8.2s, 8.3s, **8.4s, 8.5s, 8.6s**
9. 9.4mm, 9.5mm, **9.6mm, 9.7mm, 9.8mm**
10. 6.6kg, 6.7kg, **6.8kg, 6.9kg, 7.0kg**

Question Practice Resources

Question 3 - I can even count along when there are no lines

All Steps

Counting Along

All Steps

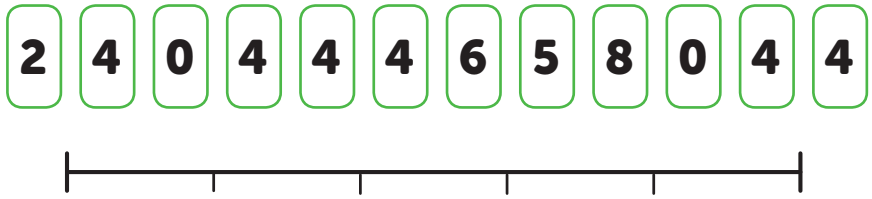
Repeat! Repeat! Repeat! → Revisit! Revisit! Revisit! → Real Life Maths! → Select → Mastery

PIM VS POM

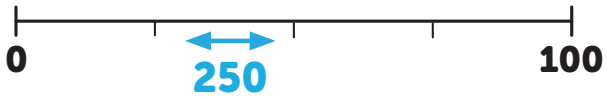
The 'Pim vs Pom' game is applicable to all the steps in the Counting Along Progress Drive, with the jumps and start and end points varied according to the context.

Steps 1 - 5

1. Can you find two numbers with a **gap of 3?**
2. Count along number lines with familiar number of divisions, but unexpected end values - e.g. 20 to 40 with 4 divisions.
3. Use all of these digit cards to label the values of the marked divisions on this number line;



4. Mark and **label 5 more** numbers that are not already shown on this number line.



Step 6

1. On a single number line **-20 to 20** draw the gaps between **-12 and -8**, **and 12 and 8**. What do you notice?
2. The gap between my **two numbers is 6**. They are both **negative**. What numbers could they be?

Step 7

1. Which number is the **same distance** from **-6 and 4?**
2. What number is **half way** between **12 and -2?**
3. One of my **numbers is 3. The other is 7 away**. What could the other number be?
4. In my office block, the entrance is on the Ground Floor. You can go **17 floors up** in the lift, and then there are **5 even higher floors** that you can only access using a staircase. There is also a basement below the ground floor. On the day when the lift is not working, is it quicker to walk from my desk on the **11th floor** to a cafe in the basement, or to the one on the top floor?

Question Practice Resources

Question 4 - I can add tenths

Remember to:

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

Repeat Questions

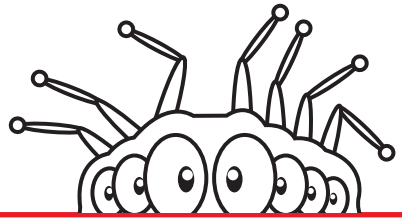
Step 4

INN: Addition and Subtraction

I can add tenths

Remember To:

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



1 **0.3 + 0.4 =**

2 **0.5 + 0.4 =**

3 **0.2 + 0.6 =**

4 **0.7 + 0.2 =**

5 **0.4 + 0.5 =**

6 **0.5 + 0.3 =**

7 **0.6 + 0.1 =**

8 **0.3 + 0.3 =**

9 **0.1 + 0.5 =**

10 **0.8 + 0.1 =**

Repeat Answers

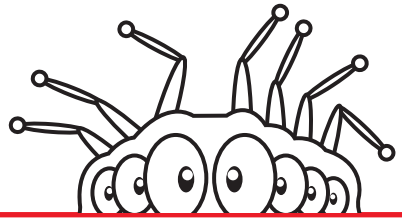
Step 4

INN: Addition and Subtraction

I can add tenths

Remember To:

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



1. 0.3 + 0.4 = 0.7
2. 0.5 + 0.4 = 0.9
3. 0.2 + 0.6 = 0.8
4. 0.7 + 0.2 = 0.9
5. 0.4 + 0.5 = 0.9
6. 0.5 + 0.3 = 0.8
7. 0.6 + 0.1 = 0.7
8. 0.3 + 0.3 = 0.6
9. 0.1 + 0.5 = 0.6
10. 0.8 + 0.1 = 0.9

Big Maths Revisit Questions

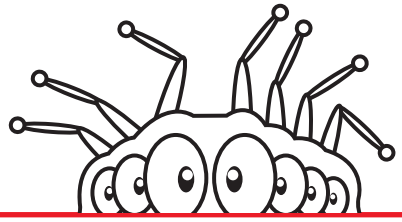
Step 4

INN: Addition and Subtraction

I can add tenths

Remember To:

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



1. **0.3m + 0.4m =**

2. **0.5cm + 0.4cm =**

3. **0.2km + 0.6km =**

4. **0.7g + 0.2g =**

5. **0.4mg + 0.5mg =**

6. **0.5L + 0.3L =**

7. **0.6ml + 0.1ml =**

8. **0.3s + 0.3s =**

9. **0.1mm + 0.5mm =**

10. **0.8kg + 0.1kg =**

Big Maths **Revisit** Answers

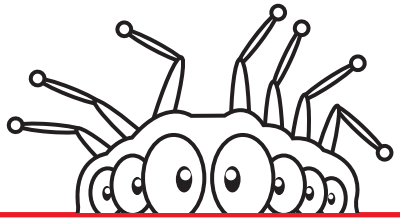
Step 4

INN: Addition and Subtraction

I can add tenths

Remember To:

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



1. 0.3m + 0.4m = **0.7m**
2. 0.5cm + 0.4cm = **0.9cm**
3. 0.2km + 0.6km = **0.8km**
4. 0.7g + 0.2g = **0.9g**
5. 0.4mg + 0.5mg = **0.9mg**
6. 0.5L + 0.3L = **0.8L**
7. 0.6ml + 0.1ml = **0.7ml**
8. 0.3s + 0.3s = **0.6s**
9. 0.1mm + 0.5mm = **0.6mm**
10. 0.8kg + 0.1kg = **0.9kg**

Real Life Maths Questions

Step 4

INN: Addition and Subtraction

I can add tenths

Remember to:

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

1. **Pim has 0.3kg of sweets and his friend gives him 0.5kg more. How many kilograms of sweets does Pim have?**

2. **There are 0.9kg of cherries in one jar and 0.6kg of cherries in another jar. How many kilograms of cherries are there altogether?**

3. **Mully went to the shop and bought sweets for £0.70 and chocolate for £0.10. How much did it cost altogether?**

4. **Pim ran 0.4km. He had a rest. He ran another 0.8km. How far did he go in total?**

5. **Pom is 0.5m tall. Pim is 0.7m tall. How tall are they together?**

Real Life Maths Answers

Step 4

INN: Addition and Subtraction

I can add tenths

Remember to:

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

1 **Pim has 0.3kg of sweets and his friend gives him 0.5kg more. How many kilograms of sweets does Pim have?**

Pim has 0.8kg of sweets.

2 **There are 0.9kg of cherries in one jar and 0.6kg of cherries in another jar. How many kilograms of cherries are there altogether?**

There 1.5kg of cherries in the jar altogether.

3 **Mully went to the shop and bought sweets for £0.70 and chocolate for £0.10. How much did it cost altogether?**

It cost £0.80 altogether.

4 **Pim ran 0.4km. He had a rest. He ran another 0.8km. How far did he go in total?**

He went 1.2km in total.

5 **Pom is 0.5m tall. Pim is 0.7m tall. How tall are they together?**

They are 1.2m tall together.

Question Practice Resources

Question 5 - I know half of 3, 5, 7, 9 as decimals

Remember to:

- learn that half of 3 is 1.5, 5 is 2.5, 7 is 3.5, 9 is 4.5

Repeat Questions

Step 4 — **Halving With Pim**

I know half of 3, 5, 7, 9 as decimals

Remember To:

learn that, half of...

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1 **Half of 9 is**

2 **Half of 5 is**

3 **Half of 3 is**

4 **Half of 7 is**

5 **Half of 5 is**

6 **Half of 3 is**

7 **Half of 9 is**

8 **Half of 7 is**

9 **Half of 5 is**

10 **Half of 3 is**

Repeat Answers

Step 4 — **Halving With Pim**

I know half of 3, 5, 7, 9 as decimals

Remember To:

learn that, half of...

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1. **Half of 9 is 4.5**
2. **Half of 5 is 2.5**
3. **Half of 3 is 1.5**
4. **Half of 7 is 3.5**
5. **Half of 5 is 2.5**
6. **Half of 3 is 1.5**
7. **Half of 9 is 4.5**
8. **Half of 7 is 3.5**
9. **Half of 5 is 2.5**
10. **Half of 3 is 1.5**

Big Maths Revisit Questions

Step 4 — **Halving With Pim**

I know half of 3, 5, 7, 9 as decimals

Remember To:

learn that, half of...

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1 **Half of 7g is**

2 **Half of 5cm is**

3 **Half of 3km is**

4 **Half of 9m is**

5 **Half of 7s is**

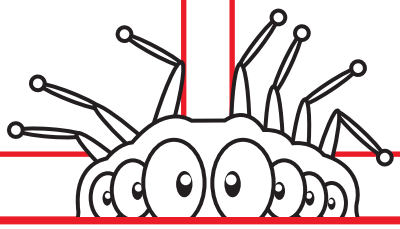
6 **Half of 3L is**

7 **Half of 9ml is**

8 **Half of 5mg is**

9 **Half of 5mm is**

10 **Half of 3kg is**



Big Maths Revisit Answers

Step 4 — Halving With Pim

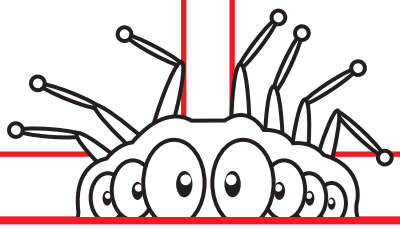
I know half of 3, 5, 7, 9 as decimals

Remember To:

learn that, half of...

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1. Half of 7g is 3.5g
2. Half of 5cm is 2.5cm
3. Half of 3km is 1.5km
4. Half of 9m is 4.5m
5. Half of 7s is 3.5s
6. Half of 3L is 1.5L
7. Half of 9ml is 4.5ml
8. Half of 5mg is 2.5mg
9. Half of 5mm is 2.5mm
10. Half of 3kg is 1.5kg



Real Life Maths Questions

Step 4

Halving With Pim

I know half of 3, 5, 7, 9 as decimals

Remember to:

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1 **Pom has 3kg of oranges. He shares them between two friends. How many kilograms of oranges does each friend have?**

2 **Mully has £9. He shares it between two friends. How much money does each friend have?**

3 **Pim has 7L of juice. He shares it between two friends. How much juice does each friend have?**

4 **What is half of 5?**

5 **Pim ran 2 laps and covered 5km. How far was each lap?**

Real Life Maths Answers

Step 4 — **Halving With Pim**

I know half of 3, 5, 7, 9 as decimals

Remember to:

- 3 is 1.5
- 5 is 2.5
- 7 is 3.5
- 9 is 4.5

1. **Pom has 3kg of oranges. He shares them between two friends. How many kilograms of oranges does each friend have?**

   Each friend has 1.5kg of oranges.

2. **Mully has £9. He shares it between two friends. How much money does each friend have?**

   Each friend has £4.50.

3. **Pim has 7L of juice. He shares it between two friends. How much juice does each friend have?**

   Each friend has 3.5L of juice.

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

   The answer is 2.5.

5. **Pim ran 2 laps and covered 5km. How far was each lap?**

   Each lap is 2.5km.

Question Practice Resources

Question 6 - I can divide whole numbers by 10 or 100 giving decimal answers

Remember to:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

Repeat Questions

Step 2 — Dividing by 10

I can divide whole numbers by 10 or 100 giving decimal answers

Remember To:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1. 135 ÷ 10 =
2. 566 ÷ 100 =
3. 897 ÷ 100 =
4. 432 ÷ 10 =
5. 769 ÷ 10 =
6. 422 ÷ 100 =
7. 213 ÷ 100 =
8. 333 ÷ 10 =
9. 863 ÷ 10 =
10. 542 ÷ 100 =

Repeat Answers

Step 2 — Dividing by 10

I can divide whole numbers by 10 or 100 giving decimal answers

Remember To:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1. 135 ÷ 10 = 13.5
2. 566 ÷ 100 = 5.66
3. 897 ÷ 100 = 8.97
4. 432 ÷ 10 = 43.2
5. 769 ÷ 10 = 76.9
6. 422 ÷ 100 = 4.22
7. 213 ÷ 100 = 2.13
8. 333 ÷ 10 = 33.3
9. 863 ÷ 10 = 86.3
10. 542 ÷ 100 = 5.42

Big Maths Revisit Questions

Step 2 — **Dividing by 10**

I can divide whole numbers by 10 or 100 giving decimal answers

Remember To:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1. **135m ÷ 10 =**
2. **566cm ÷ 100 =**
3. **897km ÷ 100 =**
4. **432g ÷ 10 =**
5. **769mg ÷ 10 =**
6. **422L ÷ 100 =**
7. **213ml ÷ 100 =**
8. **333s ÷ 10s =**
9. **863mm ÷ 10 =**
10. **542kg ÷ 100 =**

Revisit Answers

Step 2 — Dividing by 10

I can divide whole numbers by 10 or 100 giving decimal answers

Remember To:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1. 135m ÷ 10 = **13.5m**
2. 566cm ÷ 100 = **5.66cm**
3. 897km ÷ 100 = **8.97km**
4. 432g ÷ 10g = **43.2g**
5. 769mg ÷ 10 = **76.9mg**
6. 422L ÷ 100 = **4.22L**
7. 213ml ÷ 100 = **2.13ml**
8. 333s ÷ 10 = **33.3s**
9. 863mm ÷ 10 = **86.3mm**
10. 542kg ÷ 100 = **5.42kg**

Real Life Maths Questions

Step 2 — **Dividing by 10**

I can divide whole numbers by 10 or 100 giving decimal answers

Remember to:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1 **Pim has 65kg of apples. He shared them between 10 people. How many kilograms of apples does each person get?**

2 **Pom has 447kg of rocks. He makes 100 piles. How many kilograms of rocks are in each pile?**

3 **Count Fourways ran 325km in total. He did 10 laps. How far was each lap?**

4 **Mully has a barrel containing 185L of water. He pours it into 100 cups. How much water is in each cup?**

5 **What is 86 shared by 10?**

Real Life Maths Answers

Step 2 — **Dividing by 10**

I can divide whole numbers by 10 or 100 giving decimal answers

Remember to:

- move the digits one place to the right
- remember that this makes the number 10 times smaller (adapt accordingly for dividing by 100)

1

Pim has 65kg of apples. He shared them between 10 people. How many kilograms of apples does each person get?

Each person gets 6.5kg of apples.

2

Pom has 447kg of rocks. He makes 100 piles. How many kilograms of rocks are in each pile?

There are 4.47kg of rocks in each pile.

3

Count Fourways ran 325km in total. He did 10 laps. How far was each lap?

Each lap was 32.5km.

4

Mully has a barrel containing 185L of water. He pours it into 100 cups. How much water is in each cup?

Each cup contains 1.85L of water.

5

What is 86 shared by 10?

The answer is 8.6.

Question Practice Resources

Question 7 - I can solve any 3 digit + 3 digit

Remember to:

- add the hundreds
- add the tens
- add the units
- add the totals

Repeat Questions

Step 29 — **Addition**

I can solve any 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 521 + 720 =
2. 590 + 904 =
3. 373 + 761 =
4. 156 + 971 =
5. 595 + 306 =
6. 528 + 997 =
7. 615 + 345 =
8. 170 + 823 =
9. 232 + 713 =
10. 792 + 959 =

Repeat Answers

Step 29

Addition

I can solve any 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 521 + 720 = **1241**
2. 590 + 904 = **1494**
3. 373 + 761 = **1134**
4. 156 + 971 = **1127**
5. 595 + 306 = **901**
6. 528 + 997 = **1525**
7. 615 + 345 = **960**
8. 170 + 823 = **993**
9. 232 + 713 = **945**
10. 792 + 959 = **1751**

Big Maths Revisit Questions

Step 29 — **Addition**

I can solve any 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. **521km + 720km =**

2. **590km + 904km =**

3. **373m + 761m =**

4. **156g + 971g =**

5. **595mg + 306mg =**

6. **528L + 956L =**

7. **312ml + 543ml =**

8. **190s + 418s =**

9. **232kg + 713kg =**

10. **792m + 959m =**

Big Maths Revisit Answers

Step 29 — **Addition**

I can solve any 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the units
- add the totals

1. 521km + 720km = **1241km**
2. 590km + 904km = **1494km**
3. 373m + 761 m= **1134m**
4. 156g + 971g = **1127g**
5. 595mg + 306mg = **901mg**
6. 528L + 956L = **1484L**
7. 312ml + 543ml = **855ml**
8. 190s + 418s = **608s**
9. 232kg + 713kg = **945kg**
10. 792m + 959m = **1751m**

Real Life Maths Questions

Step 29 — **Addition**

I can solve any 3d + 3d

Remember to:

- add the hundreds
- add the tens
- add the ones (units)
- add the totals

1 **What is 456 add 862?**

2 **Pim has 563 conkers and his friend gives him 922 more. How many conkers does Pim have?**

3 **Mully has 645 sweets. Pom has 766 sweets. How many do they have altogether?**

4 **Pom bought a car for £976 and a computer for £416. How much did he spend?**

5 **Pim has 877ml of water in a jug. He adds 777ml more. How much liquid is in the jug?**

Real Life Maths Answers

Step 29 — **Addition**

I can solve any 3d + 3d

Remember to:

- add the hundreds
- add the tens
- add the ones (units)
- add the totals

1 **What is 456 add 862?**

The answer is 1318.

2 **Pim has 563 conkers and his friend gives him 922 more. How many conkers does Pim have?**

Pim has 1485 conkers.

3 **Mully has 645 sweets. Pom has 766 sweets. How many do they have altogether?**

They have 1411 sweets altogether.

4 **Pom bought a car for £976 and a computer for £416. How much did he spend?**

He spent £1392.

5 **Pim has 877ml of water in a jug. He adds 777ml more. How much liquid is in the jug?**

There is 1654ml in the jug.

Big Maths Select Questions

Step 29 — **Addition**

I can solve any 3d + 3d

Remember To:

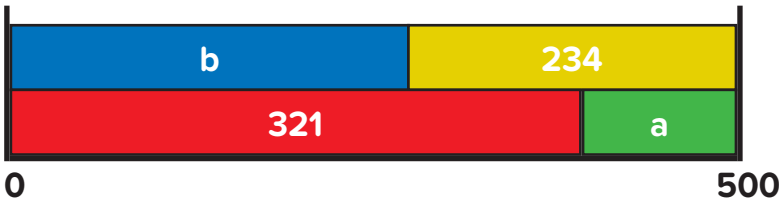
- add the hundreds
- add the tens
- add the ones
- add the totals

1 A box containing forty pens weighs 268g. Rita says 'That means that the weight of eighty pens would be more than $\frac{1}{2}$ kg' Jamie says 'The weight of sixty pens would be just over 400g' Are both statements correct? Can you prove it?

2

This rectangle is twice as long as it is wide. The width of the rectangle is 145mm. What is the total distance around all four sides of the rectangle?

3 What numbers are represented by the letters 'a' and 'b' in this picture? What is a + b?

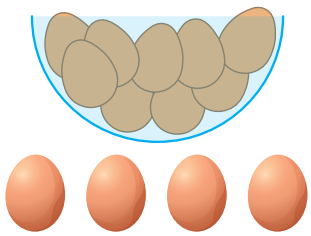


4 Which is the odd one out?

468m + 282m **0.5km + 25m**

$\frac{3}{4}$ **km** **1km - 250m**

5



Abi finds that the weight of the eggs in the bowl weigh a total of 680g. The eggs not in the bowl weigh 58g each. What is the total weight of ALL the eggs?

Select Answers

Step 29 — **Addition**

I can solve any 3d + 3d

Remember To:

- add the hundreds
- add the tens
- add the ones
- add the totals

1

Yes, both statements are correct. 80 pens would weigh 536g, and 60 pens would weigh 402g.

2

The total distance around the rectangle is 870g.

3

a = 179, b = 266. a + b = 445

4

468m + 282m — **0.5km + 25m** (circled)

$\frac{3}{4}$ **km** — **1km - 250m**

5

The total weight of all the eggs is 912g.

Question Practice Resources

Question 8 - I can solve any 1 digit x 2 digit

Remember to:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

Repeat Questions

Step 14

Multiplication

I can solve any 1d x 2d

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. 8 x 93 =

2. 6 x 53 =

3. 2 x 38 =

4. 1 x 25 =

5. 2 x 31 =

6. 5 x 80 =

7. 5 x 10 =

8. 7 x 63 =

9. 3 x 90 =

10. 5 x 96 =

Repeat Answers

Step 14

Multiplication

I can solve any 1d x 2d

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. 8 x 93 = 744
2. 6 x 53 = 318
3. 2 x 38 = 76
4. 1 x 25 = 25
5. 2 x 31 = 62
6. 5 x 80 = 400
7. 5 x 10 = 50
8. 7 x 63 = 441
9. 3 x 90 = 270
10. 5 x 96 = 480

Big Maths Revisit Questions

Step 14 — **Multiplication**

I can solve any 1d x 2d

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. **8m x 77 =**
2. **7cm x 43 =**
3. **6 x 48km =**
4. **4 x 35g =**
5. **6mg x 41 =**
6. **6L x 70 =**
7. **5 x 10ml =**
8. **7 x 63s =**
9. **3mm x 90 =**
10. **5kg x 96 =**

Big Maths Revisit Answers

Step 14 — **Multiplication**

I can solve any 1d x 2d

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1. 8m x 77 = 616m
2. 7cm x 43 = 301cm
3. 6 x 48km = 288km
4. 4 x 35g = 140g
5. 6mg x 41 = 246mg
6. 6L x 70 = 420L
7. 5 x 10ml = 50ml
8. 7 x 63s = 441s
9. 3mm x 90 = 270mm
10. 5kg x 96 = 480kg

Real Life Maths Questions

Step 14 — **Multiplication**

I can solve any 1d x 2d

Remember to:

- partition the 2d number
- write out the 2 questions
- times the ones (units)
- times the tens (Smile Multiplication)
- add the answers to find the total

1 **Pim has 7 boxes. Each box has 56 sweets. How many sweets are there in total?**

2 **There are 7 people playing a game. Each person gets 79 tokens. How many tokens are there in total?**

3 **A box of cherries costs £6. I want to buy 43 boxes. How much does that cost?**

4 **A box of apples weighs 8kg. There are 95 boxes. What is the total weight?**

5 **What is 7 times 67?**

Real Life Maths Answers

Step 14 — **Multiplication**

I can solve any 1d x 2d

Remember to:

- partition the 2d number
- write out the 2 questions
- times the ones (units)
- times the tens (Smile Multiplication)
- add the answers to find the total

1 **Pim has 7 boxes. Each box has 56 sweets. How many sweets are there in total?**

There are 392 sweets in total.

2 **There are 7 people playing a game. Each person gets 79 tokens. How many tokens are there in total?**

There are 553 tokens in total.

3 **A box of cherries costs £6. I want to buy 43 boxes. How much does that cost?**

It costs £258.

4 **A box of apples weighs 8kg. There are 95 boxes. What is the total weight?**

The total weight is 760kg.

5 **What is 7 times 67?**

The answer is 469.

Select Questions

Step 14 — **Multiplication**

I can solve any 1d x 2d

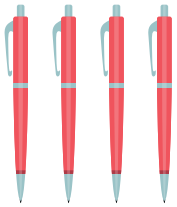
Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1

Jamie's favourite chocolate bars normally cost 48p each. A local shop has a special offer on these chocolate bars. If you buy two chocolate bars then a third one is free! If Jamie has £3 to spend, then what is the largest number of chocolate bars he can buy?

2



A pack of four pens costs 78p. In one year 4 class, there are twenty eight children. The class teacher wants to give every child in their class one pen each. What will be the total cost?

3

Michael spends 96p each day on bus fare. In one week, he uses the bus every day. Alternatively, he could buy a weekly bus pass for £6. How much would Michael save if he buys a bus pass for the week?

4

A regular heptagon and a square have the same perimeter. If each side of the regular heptagon measures 36mm, then what is the length of the side of the square?

5

Martha and Paul decide to bake some cup cakes and then sell them as their class is trying to raise money for a local charity. They sell the cakes at 25p each. They also charge 15p for a homemade bag to hold the cakes. How much would I pay for nine cup cakes?

Select Answers

Step 14 — **Multiplication**

I can solve any 1d x 2d

Remember To:

- partition the 2d number
- write out the 2 questions
- times the units
- times the tens (Smile Multiplication)
- add the answers to find the total

1

Jamie can buy 6 chocolate bars. This means he would get 3 chocolate bars free, so therefore he would have 9 chocolate bars.

2

The total cost would be £5.46

3

Michael would spend £6.72 on his bus fares. If he had the weekly pass he would save 72 pence.

4

The side of the square has a length of 63mm.

5

I would pay £3.60 for nine cup cakes.

Question Practice Resources

Question 9 - I can solve any 4 digit + 2 digit or 4 digit + 3 digit

Big Maths Repeat Questions

Step 7

Addition Column Methods

I can solve any 4d + 2d or 3d

Example

$$\begin{array}{r} 6549 \\ +\ 686 \\ \hline 7235 \\ \hline 1\ 1\ 1 \end{array}$$

1. 7845 + 697

2. 1565 + 97

3. 8996 + 570

4. 3687 + 77

5. 2979 + 956

6. 6942 + 911

7. 9374 + 582

8. 9314 + 74

9. 8938 + 577

10. 8372 + 550

Big Maths Repeat Answers

Step 7 **Addition Column Methods**

I can solve any 4d + 2d or 3d

Example

$$\begin{array}{r} 6549 \\ +\ 686 \\ \hline 7235 \\ \hline 1\ 1\ 1 \end{array}$$

1. 7845 + 697 = 8542
2. 1565 + 97 = 1662
3. 8996 + 570 = 9566
4. 3687 + 77 = 3764
5. 2979 + 956 = 3935
6. 6942 + 911 = 7853
7. 9374 + 582 = 9956
8. 9314 + 74 = 9388
9. 8938 + 577 = 9515
10. 8372 + 550 = 8922

Question Practice Resources

Question 10 - I can solve any 2 digit x 1 digit

Repeat Questions

Step 2 — **Multiplication Column Methods**

I can solve any 2d x 1d

Example

$$\begin{array}{r} {}^{3}85 \\ \times\ \ 6 \\ \hline 510 \end{array}$$

1. 44 x 6
2. 76 x 3
3. 99 x 5
4. 24 x 7
5. 90 x 9
6. 55 x 5
7. 17 x 7
8. 19 x 9
9. 89 x 4
10. 67 x 4

Repeat Answers

Step 2 **Multiplication Column Methods**

I can solve any 2d x 1d

Example

$$\begin{array}{r} {}^{3}85 \\ \times\ \ 6 \\ \hline 510 \end{array}$$

1. 44 x 6 = 264
2. 76 x 3 = 228
3. 99 x 5 = 495
4. 24 x 7 = 168
5. 90 x 9 = 810
6. 55 x 5 = 275
7. 17 x 7 = 119
8. 19 x 9 = 171
9. 89 x 4 = 356
10. 67 x 4 = 268