

A Guide for Home Learning CLIC 16

## Introduction - CLIC 16

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 partition a 1dp number

## Question 2

I can count along in 4 ways: -1s

## Question 3

I can multiply decimals by 10

## Question 4

I can find Mully using Smile Multiplication

## Question 5

I can add tenths

## Question 6

I can solve any 1 digit $\times 1$ digit

## Question 7

I can use a Tables Fact to find a division fact

## Question 8

I can combine 2 or more Tables Facts to solve division

## Question 9

I can solve any 3 digit - 3 digit
Question 10
I can solve a $3 \mathrm{~d} \div 1 \mathrm{~d}$ (using any table) (No remainders in answer)

## 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 16

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.



## Question Practice Resources

## Question 1 - I can partition a 1 decimal place number

## Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit with 'zero-point' in front of it

Repeat Questions


## Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit... with 'a zero-point on the front

(1) Partition 2.4
(3) Partition 3.9
(5) Partition 8.2
(7) Partition 5.9
(9) Partition 9.6
(10) Partition 5.5

Step 3

I can partition a 1dp number

## Remember to:

- write the number
- draw the sticks
- copy the units digit
- copy the tenths digit... with 'a zero-point on the front


Eramiple

(1) $2,0.4$
(2) $5,0.1$
(3) $3,0.9$
(4) $9,0.2$
(5) $8,0.2$
(6) $4,0.6$
(7) $5,0.9$
(8) $1,0.7$
(9) $9,0.6$
(10) $5,0.5$

## Question Practice Resources

Question 2 - I can count along in 4 ways: -1s

## Bram <br> Repeat Questions


(1) $-\mathbf{1}, \mathbf{- 2}$,
(2) $-10,-9$,
(3) $-17,-16$,
(4) $-24,-25$,
(5) $-31,-32$,
(6) $-43,-42$,
(7) -75, -76,
(8) $-82,-83$,
(9) -95, -94,
(10) $-66,-67$,

## Braim <br> Repeat Answers


(1) $-1,-2,-3,-4,-5$
(2) $-10,-9,-8,-7,-6$
(3) $-17,-16,-15,-14,-13$
(4) $-24,-25,-26,-27,-28$
(5) $-31,-32,-33,-34,-35$
(6) $-43,-42,-41,-40,-39$
(7) -75, -76, -77, -78, -79
(8) $-82,-83,-84,-85,-86$
(9) $-95,-94,-93,-92,-91$ (10 $-66,-67,-68,-69,-70$

## Biem <br> Revisit Questions


(1) $-1 m,-2 m$,
(3) $-17 \mathrm{~km},-16 \mathrm{~km}$,
(4) $\mathbf{- 2 4} g,-\mathbf{2 5 g}$,
(5) $-31 \mathrm{mg},-32 \mathrm{mg}$,
(6) $-43 \mathrm{~L},-42 \mathrm{~L}$,
(7) $-75 \mathrm{ml},-76 \mathrm{ml}$,
(8) $-82 \mathrm{~s},-83 \mathrm{~s}$,
(9) $-95 \mathrm{~mm},-94 \mathrm{~mm}$,
(10) $-66 \mathrm{~kg},-67 \mathrm{~kg}$,

## :Maths Revisit Answers


(1) $-\mathbf{- 1 m},-2 m,-3 m,-4 m$,
(3) $-17 \mathrm{~km},-16 \mathrm{~km}$,
-15km, -14km, -13km
(5) $-31 \mathrm{mg},-32 \mathrm{mg}$,
-33mg, -34mg, -35mg
(7) $-75 \mathrm{ml},-76 \mathrm{ml},-77 \mathrm{ml}$,
$-78 \mathrm{ml},-79 \mathrm{ml}$
-95mm, -94mm,
(9) $-93 \mathrm{~mm},-92 \mathrm{~mm}$,
-91mm
(2) $-10 \mathrm{~cm},-9 \mathrm{~cm},-8 \mathrm{~cm}$,
$-7 \mathrm{~cm},-6 \mathrm{~cm}$
(4) $-\mathbf{2 4} g,-25 g,-26 g$,
$-27 \mathrm{~g},-28 \mathrm{~g}$
(6) $-43 \mathrm{~L},-42 \mathrm{~L},-41 \mathrm{~L}$,
(8) $-82 \mathrm{~s},-83 \mathrm{~s},-84 \mathrm{~s},-85 \mathrm{~s}$, -86s
(10) $-66 \mathrm{~kg},-67 \mathrm{~kg},-68 \mathrm{~kg}$,
$-69 \mathrm{~kg},-70 \mathrm{~kg}$

## Question Practice Resources

## Question 3 - I can multiply decimals by 10

## Remember to:

- move the digits one place to the left
- remember that this makes the number 10 times bigger


## Repeat Questions

Step

I can multiply decimals by 10

## Remember To:

- move the digits one place to the left
- remember that this makes the number 10 times bigger


9
$0.4 \times 10=$
2) $3.7 \times 10=$

(6) $5.7 \times 10=$

(10) $1.1 \times 10=$

## Repeat Answers

Step

I can multiply decimals by 10

## Remember To:

- move the digits one place to the left
- remember that this makes the number 10 times bigger


5. $1.5 \times 10=15$
$78.5 \times 10=85$

9
$0.4 \times 10=4$
2. $3.7 \times 10=37$

4 $9.2 \times 10=92$
6. $5.7 \times 10=57$


10
$1.1 \times 10=11$

Revisit Questions

Step

I can multiply decimals by 10

## Remember To:

- move the digits one place to the left
- remember that this makes the number 10 times bigger


2. $3.7 \mathrm{~cm} \times 10=$

## 4 $9.2 \mathrm{~g} \times 10=$

## 6. $5.7 \mathrm{~L} \times 10=$



10
$1.1 \mathrm{~kg} \times 10=$

Revisit Answers

Step

I can multiply decimals by 10

## Remember To:

- move the digits one place to the left
- remember that this makes the number 10 times bigger


5 1.51n9x10=15110
(2) $3.7 \mathrm{~cm} \times 10=37 \mathrm{~cm}$
(4) $9.2 \mathrm{~g} \times 10=92 \mathrm{~g}$
6. $5.7 \mathrm{~L} \times 10=57 \mathrm{~L}$
8. $3.2 \mathrm{~s} \times 10=32 \mathrm{~s}$

10
$1.1 \mathrm{~kg} \times 10=11 \mathrm{~kg}$

## Real Life Maths Questions

Step
3
Multiplying by 10

I can multiply decimals by 10

Remember to:

- move the digits one place to the left
- remember that this makes the number 10 times bigger

1
Pim has 10 boxes. Each box has 5.4 kg of apples. How many kilograms of apples are there in total?

There are 10 people at a party. Each person gets 1.6 L of juice. How much juice is there in total?

3
A bag of sweets costs $£ 3.90$. Pim buys 10 bags. How much does that cost?

4

## Pim ran 10 laps of $\mathbf{8 . 6 k m}$. How far did he run in total?

5
Pim has 10 jugs of Coca Cola. Each jug contains 9.1L. How much Coca Cola is there in total?

## Real Life Maths Answers

Step
3

I can multiply decimals by 10

## Remember to:

- move the digits one place to the left
- remember that this makes the number 10 times bigger

Pim has 10 boxes. Each box has 5.4 kg of apples. How many kilograms of apples are there in total?

There are 54 kg of apples.

2
There are 10 people at a party. Each person gets 1.6 L of juice. How much juice is there in total?

There is 16L of juice.

3
A bag of sweets costs $£ 3.90$. Pim buys 10 bags. How much does that cost?

It costs $£ \mathbf{~} \mathbf{3 9}$.

4
Pim ran 10 laps of 8.6 km . How far did he run in total?

He ran 86km in total.

5
Pim has 10 jugs of Coca Cola. Each jug contains 9.1L. How much Coca Cola is there in total?

There is 91L of Coca Cola in total.

## Question Practice Resources

## Question 4 - I can find Mully using Smile Multiplication

## Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you

Repeat Questions


## Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you


## Frompor

He's hiding behind the biggest multiple of 9 without going past 275. So... Where's Mully?

Where is Mully hiding?

Which multiple is it and how do you know?

How many are left over at the end?

## 270

He's hiding behind the biggest multiple of 2 without going past 121.

He's hiding behind the biggest multiple of 7 without going past 354.

He's hiding behind the biggest multiple of 4 without going past 123.

He's hiding behind the biggest multiple of 8 without going past 167.

He's hiding behind the biggest
8 multiple of 3 without going past 212.

He's hiding behind the biggest multiple of 6 without going past 243.


Repeat Answers


Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you

Answer Key: Answer, Smile Multiple, Remainder


Which multiple is it and how do you know?

How many are left over at the end?

270

He's hiding behind the biggest
(1) multiple of 2 without going past 121.

$$
120,60,1
$$

He's hiding behind the biggest
(3) multiple of 8 without going past 562.

$$
560,70,2
$$

He's hiding behind the biggest
(5) multiple of 5 without going past 402.

$$
400,80,2
$$

He's hiding behind the biggest
(7) multiple of 9 without going past 545.

$$
540,60,5
$$

He's hiding behind the biggest
 multiple of 4 without going past 363.

$$
360,90,3
$$

He's hiding behind the biggest
(2) multiple of 7 without going past 354.

$$
350,50,4
$$

He's hiding behind the biggest multiple of 4 without going past 123.

$$
120,30,3
$$

He's hiding behind the biggest multiple of 8 without going past 167.

$$
160,20,7
$$

He's hiding behind the biggest multiple of 3 without going past 212.

$$
210,70,2
$$

He's hiding behind the biggest multiple of 6 without going past 243.

$$
240,40,3
$$ Revisit Questions



## Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you


## Frompore

He's hiding behind the biggest multiple of 9 without going past 275. So... Where's Mully?

## Where is Mully

 hiding?Which multiple is it and how do you know?

How many are left over at the end?

## 270

He's hiding behind the biggest multiple of 4 g without going past 202g.

He's hiding behind the biggest multiple of 8 L without going past 780L.

He's hiding behind the biggest multiple of $3 s$ without going past 334s.

He's hiding behind the biggest
7 multiple of 9 ml without going past 678 ml .

He's hiding behind the biggest multiple of 4 mm without going past 453 mm .

He's hiding behind the biggest
2) multiple of 7 cm without going past 342 cm .

He's hiding behind the biggest multiple of 2 m without going past 145m.

He's hiding behind the biggest multiple of 8 km without going past 500 km .

He's hiding behind the biggest
8 multiple of 5 mg without going past 459 mg .

He's hiding behind the biggest multiple of 6 kg without going past 231 kg .

## Revisit Answers



## Remember to:

- start by letting the Smile Multiplication fact ‘jump out' at you


## Broqupple <br> He's hiding behind the biggest multiple of 9 without going past 275. So... Where's Mully?

Where is Mully hiding?

Which multiple is it and how do you know?

How many are left over at the end?

## 270

(1) 200 g .50 g .2 g .
(3) 776L.97L. 4L.
(4) 144 m .72 m .1 m .
(5) 333 s. 111s. 1 s.
(6) 496 km .62 km .4 km .
(7) 675 ml .75 ml .3 ml .
(8) 450 mg .91 mg .4 mg .
(9) 452 mm .113 mm .
(10) 228 kg .38 kg .3 kg .

## Real Life Maths Questions

Step
3
INN: Finding Multiples

I can find Mully using Smile Multiplication

Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you

Mully is hiding behind an orange. It is the highest multiple of 4 without going past 202. Where is he hiding?
2) Mully is hiding behind a rock. It is the highest multiple of 8 without going past 645. Where is he hiding?

3
Mully is hiding behind a barrel. It is the highest multiple of 3 without going past 92 . Where is he hiding?

4
Mully is hiding behind a building. It is the highest multiple of 9 without going past 635. Where is he hiding?

5
Mully is hiding behind a tree. It is the highest multiple of 4 without going past 241. Where is he hiding?

## Real Life Maths Answers

I can find Mully using Smile Multiplication

## Remember to:

- start by letting the Smile Multiplication fact 'jump out' at you

1 Mully is hiding behind an orange. It is the highest multiple of 4 without going past 202. Where is he hiding?

> He's hiding behind the 200th orange.
2) Mully is hiding behind a rock. It is the highest multiple of 8 without going past 645 . Where is he hiding?

He's hiding behind the 640th rock.

3
Mully is hiding behind a barrel. It is the highest multiple of 3 without going past 92 . Where is he hiding?

He's hiding behind the 90th barrel.

4
Mully is hiding behind a building. It is the highest multiple of 9 without going past 635 . Where is he hiding?

He's hiding behind the 630th building.

Mully is hiding behind a tree. It is the highest multiple of 4 without going past 241. Where is he hiding?

He's hiding behind the 240th tree.

## Question Practice Resources

## Question 5 - I can add tenths

## Remember to:

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


## Remember To:

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

I can add tenths

(10) $0.8+0.1=$

Repeat Answers


## Remember To:

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

$50.4+0.5=0.9$


$50.4 \mathrm{mg}+0.5 \mathrm{mg}=$



## Remember To:

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


2) $0.5 \mathrm{~cm}+0.4 \mathrm{~cm}=$

6. $0.5 L+0.3 L=$

(10) $0.8 \mathrm{~kg}+0.1 \mathrm{~kg}=$

Revisit Answers

$\square$
$\square$
$50.4 \mathrm{mg}+0.5 \mathrm{mg}=$ 0.9 mg

## 0.8 km

$0.2 \mathrm{~km}+0.6 \mathrm{~km}=$
0.7 ml

9

## $0.1 \mathrm{~mm}+0.5 \mathrm{~mm}=$ 0.6 mm

4 $\quad 0.7 \mathrm{~g}+0.2 \mathrm{~g}=0.9 \mathrm{~g}$
4 $\quad 0.7 \mathrm{~g}+0.2 \mathrm{~g}=0.9 \mathrm{~g}$

6 $0.5 \mathrm{~L}+0.3 \mathrm{~L}=0.8 \mathrm{~L}$
$8 \quad 0.3 \mathrm{~s}+0.3 \mathrm{~s}=0.6 \mathrm{~s}$

## Remember To:

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


2) $\begin{aligned} & 0.5 \mathrm{~cm}+0.4 \mathrm{~cm}= \\ & \\ & 0.9 \mathrm{~cm}\end{aligned}$

$$
x-20-10
$$

10 $0.8 \mathrm{~kg}+0.1 \mathrm{~kg}=$ 0.9 kg

## Real Life Maths Questions



## Remember to:

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

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

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

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

Pom is 0.5 m tall. Pim is $\mathbf{0 . 7 \mathrm { m }}$ tall. How tall are they together?

## Real Life Maths Answers



## Remember to:

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

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

Pim has 0.8 kg of sweets.
2) There are 0.9 kg of cherries in one jar and 0.6 kg of cherries in another jar. How many kilograms of cherries are there altogether?

There 1.5 kg of cherries in the jar altogether.

3
Mully went to the shop and bought sweets for $£ 0.70$ and chocolate for $\mathbf{£ 0 . 1 0}$. How much did it cost altogether?

It cost $£ 0.80$ altogether.

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

He went 1.2 km in total.

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

They are 1.2 m tall together.

## Question Practice Resources

Question 6 - I can solve any 1 digit x 1 digit

Remember to:

- Learn It!


## Repeat Questions

## Remember To:

Step
12
Multiplication

I can solve any $1 \mathrm{~d} \times 1 \mathrm{~d}$

5) $1 \times 5=$

9) $5 \times 3=$
2. $3 \times 7=$


6 $5 \times 4=$

(10) $1 \times 6=$

## Repeat Answers

## Remember To:

I can solve any $1 d \times 1 d$

$\square$
5) $1 \times 5=5$


9 $5 \times 3=15$
2) $3 \times 7=21$
$\square$
6) $5 \times 4=20$
8) $2 \times 2=4$
(10) $1 \times 6=6$

## Remember To:

- Learn It!

I can solve any $1 \mathrm{~d} \times 1 \mathrm{~d}$

5) $7 \mathrm{mg} \times 5=$

9) $5 \times 3 \mathrm{~mm}=$
2) $3 \mathrm{~cm} \times 7=$

6. $5 \mathrm{~L} \times 4=$
8. $2 \mathrm{~s} \times 2=$
10. $5 \times 6 \mathrm{~kg}=$


## Remember To:

- Learn It!


3) $8 \times 2 \mathrm{~km}=16 \mathrm{~km}$
4) $7 \mathrm{mg} \times 5=35 \mathrm{mg}$


## Remember to:

- Learn It!

I can solve any $1 \mathrm{~d} \times 1 \mathrm{~d}$

Pim has 8 boxes. Each box has 8 apples. How many apples are there in total?

2 There are 6 people at a party. Each person gets 7 sweets. How many sweets are there in total?

3 A box of tomatoes costs $£ 8$. I want to buy 9 boxes. How much does that cost?

4 I have 6 boxes of pears. Each box weighs 9 kg . What is the total weight?

5 Pim has 8 jugs of water. Each jug contains 7L. How much is there in total?

## Real Life Maths Answers



## Remember to:

- Learn It!

Pim has 8 boxes. Each box has 8 apples. How many apples are there in total?

There are 64 apples in total.

2 There are 6 people at a party. Each person gets 7 sweets. How many sweets are there in total?

There are 42 sweets in total.

3 A box of tomatoes costs $£ 8$. I want to buy 9 boxes. How much does that cost?

It costs $£ 72$.

4 I have 6 boxes of pears. Each box weighs 9 kg . What is the total weight?

$$
\text { The total weight is } 54 \mathrm{~kg} \text {. }
$$

5
Pim has 8 jugs of water. Each jug contains 7L. How much is there in total?

There is 56L in total.

Select Questions

## Remember To:

- Learn It!


2


What is the total number of vertices on this set of wooden cubes?

3

Which is the odd one out?

$$
\begin{gathered}
(6 \times 9 \mathrm{Kg})+(7 \times 8 \mathrm{Kg}) \quad \frac{2}{3} \times 165 \mathrm{Kg} \\
\frac{1}{5} \text { of } 450 \mathrm{Kg}
\end{gathered}
$$

## Select Answers

## Remember To:

- Learn It!

I can solve any $1 d \times 1 d$

In pattern number eight there are 64 red dots and 48 blue dots.

There are 24 vertices on this set of wooden cubes.

3

$$
\frac{(6 \times 9 \mathrm{Kg})+(7 \times 8 \mathrm{Kg})}{\frac{1}{5} \text { of } 450 \mathrm{Kg}} \frac{\frac{2}{3} \times 165 \mathrm{Kg}}{}
$$

He will need to buy 9 packs of cup cakes.

Yes, the length of the line is 108 cm . To make a line of exactly 1 m Melissa would have to place 5 pens and 5 pencils back to back.

## Question Practice Resources

# Question 7 - I can use a Tables Fact to find a division fact (with remainders) ( $x 6,7,8,9$ ) 

## Remember to:

- use your Learn Its and Fact Families to give the answer
- say the remainder


## Repeat Questions

## Remember To:

Step
21

## Division

I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

- use your Learn Its and Fact

Families to give the answer

- say the remainder


4) $43 \div 6=$

5) $47 \div 8=$
6) $21 \div 6=$

## Repeat Answers

## Remember To:

Step
21

## Division

I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

- use your Learn Its and Fact Families to give the answer
- say the remainder


4. $43 \div 6=7$ r1
5. $34 \div 6=5 r 4$

8 $47 \div 8=5$ r2
10) $21 \div 6=3 \mathrm{r} 3$

Revisit Questions

## Remember To:

- use your Learn Its and Fact

Families to give the answer

- say the remainder

I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

5) $13 \mathrm{mg} \div 2=$


9
$45 \mathrm{~mm} \div 6=$
2) $82 \mathrm{~cm} \div 9=$

6) $58 \mathrm{~L} \div 6=$

10) $39 \mathrm{~kg} \div 6=$

Revisit Answers


21
I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

## Remember To:

- use your Learn Its and Fact

Families to give the answer

- say the remainder

1) $34 \mathrm{~m} \div 4=8 \mathrm{mr} 2 \mathrm{~m}$
(3) $22 \mathrm{~km} \div 3=7 \mathrm{~km}$
5. $13 \mathrm{mg} \div 2=6 \mathrm{mg}$ r1mg


4
$9 \mathrm{~g} \div 2=4 \mathrm{gr} 1 \mathrm{~g}$
6) $58 \mathrm{~L} \div 6=9 \mathrm{Lr} 4 \mathrm{~L}$
8) $47 \mathrm{~s} \div 8=5 \mathrm{~s}$ r2s

10 $39 \mathrm{~kg} \div 6=6 \mathrm{~kg} \mathrm{r} 3 \mathrm{~kg}$

## Real Life Maths Questions

Step
21
I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

## Remember to:

- use your 'Learn Its' and Fact Families to give the answer
- say the remainder

Pim has 67 cards. He shared them between 7 people. How many cards does each person get? How many cards are left over?

Pim has 56 apples. He puts them into 6 boxes. How many apples are in each box? How many apples are left over?

A chocolate bar costs $£ 9$. Pim has $£ 76$. How many chocolate bars can he buy? How much money is left over?

Pim has a jug containing 70L of water. He pours it into 8 jugs. How much liquid is in each jug? How much water is left over?

## Real Life Maths Answers

Step
21
I can use a Tables Fact to find a division fact (with remainders) ( $\times 6,7,8,9$ )

## Remember to:

- use your 'Learn Its' and Fact Families to give the answer
- say the remainder

Pim has 67 cards. He shared them between 7 people. How many cards does each person get? How many cards are left over?

Each person gets 9 cards. There are 4 cards left over.

2
Pim has 56 apples. He puts them into 6 boxes. How many apples are in each box? How many apples are left over?

There are 9 sweets in each box. There are 2 apples left over.

3
A chocolate bar costs $£ 9$. Pim has $£ 76$. How many chocolate bars can he buy? How much money is left over?

He can buy 8 chocolate bars. There is $£ 4$ left over.

Pim has a jug containing 70L of water. He pours it into 8 jugs. How much liquid is in each jug? How much water is left over?

There is 8 L in each jug. There is 6L left over.

What is $\mathbf{3 2}$ shared by $\mathbf{6}$ ? What is the remainder?

The answer is 5. The remainder is 2.

Select Questions

## Step

21
I can use a Tables Fact to find a division fact (with remainders) $(\times 6,7,8,9)$

## Remember To:

- use your Learn Its and Fact Families to give the answer
- say the remainder

The blue rectangle is 4 cm long. What is length of a red rectangle?


Apples are sold in packs of six. Children in two year 4 classes will be given a packed lunch for a school trip. The packed lunch will include one apple. There are 26 children in one class and 27 children in the other class. How many packs of apples will be needed?


3
Rita wants to divide this box of pencils into groups with the same number in each group. If she tries to make six groups then there is four left over. If she makes eight groups then there are the same number of pencils in each group! How many pencils in the box?

Is the value of ' $n$ ' the same in these three examples? Can you prove it?

$$
\begin{gathered}
75 \div n=8 r 3 \quad 60 \div 7=n r 4 \\
\frac{1}{4} \text { of } 54=n
\end{gathered}
$$

Is it possible to share this amount of money between eight people so that they each get the same amount. How do you know?


## Select Answers

## Remember To:

Step
Division

I can use a Tables Fact to find a division fact (with remainders)
$(\times 6,7,8,9)$

- use your Learn Its and Fact

Families to give the answer

- say the remainder

The length of a red rectangle is 7.4 cm

9 packs of apples will be needed.

3

There are 40 pencils in the box.

The value of n is NOT the same in these 3 examples.


No, it is not as 66 is not divisible by 8 .

## Question Practice Resources

# Question 8 - I can combine 2 or more Tables Facts to solve division (with remainders) 

## Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder


## Repeat Questions

## Remember To:

Step
23
I can combine 2 or more Tables
Facts to solve division (with remainders) ( $\times 6,7,8,9$ )

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder


5) $108 \div 7=$

$74 \div 6=$

6) $93 \div 6=$

7) $100 \div 8=$

Repeat Answers

## Remember To:

Step
23
I can combine 2 or more Tables
Facts to solve division (with remainders) ( $\times 6,7,8,9$ )

- think of 10 lots
- see how many more there are
- add on how many lots this is too
$\square$


6) $25 \div 9=2 r 7$

10. $100 \div 8=12 \mathrm{r} 4$

## Revisit Questions

## Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder


5) $58 \mathrm{mg} \div 3=$


Revisit Answers

## Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too

I can combine 2 or more Tables
Facts to solve division (with remainders) ( $\times 6,7,8,9$ )
$31 \mathrm{~m} \div 2=15 \mathrm{mr} 1 \mathrm{~m}$
$99 \mathrm{~km} \div 7=14 \mathrm{~km}$ r1km
2) $27 \mathrm{~cm} \div 2=13 \mathrm{~cm}$ r1cm
4. $87 \mathrm{~g} \div 7=12 \mathrm{gr} 3 \mathrm{~g}$

6 $25 \mathrm{~L} \div 2=12 \mathrm{~L}$ r1L


10 $100 \mathrm{~kg} \div 8=12 \mathrm{~kg}$ r4kg

Step
23
I can combine 2 or more Tables Facts to solve division (with remainders) ( $\times 6,7,8,9$ )

## Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

What is $\mathbf{9 7}$ shared by 8 ? What is the remainder?

2
Mully makes 9 piles from 111g of sugar. How much does each pile weigh? How much sugar is left over?

3
Pim has 93 kg of sand. He makes 7 piles. How much does each pile weigh? How much sand is left over?

4
Pom has $£ 75$. A bag of pears costs $£ 6$. How many bags of pears can he buy? How much money is left over?

There are 6 people at a party. Pim has 71 sweets to share. How many sweets does each person get? How many sweets are left?

## Real Life Maths Answers

Step
23
I can combine 2 or more Tables Facts to solve division (with remainders) $(\times 6,7,8,9)$

## Remember to:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

What is 97 shared by 8 ? What is the remainder?

The answer is 12. The remainder is 1.

2
Mully makes 9 piles from 111g of sugar. How much does each pile weigh? How much sugar is left over?

Each pile weighs $\mathbf{1 2 g}$. There is 3 g of sugar left over.

3
Pim has 93 kg of sand. He makes 7 piles. How much does each pile weigh? How much sand is left over?

Each pile weighs $\mathbf{1 3 k g}$. There is $\mathbf{2 k g}$ of sand left over.

Pom has $£ 75$. A bag of pears costs $£ 6$. How many bags of pears can he buy? How much money is left over?

He can buy 12 bags of peares. There is $£ 3$ left over.

There are 6 people at a party. Pim has 71 sweets to share. How many sweets does each person get? How many sweets are left?

Each person gets 11 sweets. The remainder is 5.

## Select Questions

## Step

23
I can combine 2 or more Tables
Facts to solve division (with remainders) ( $\times 6,7,8,9$ )

## Remember To:

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

Samantha can run a kilometre in about 9 minutes.
If she was able to keep running at this pace how
far would she expect to run in two hours?

2 Rory and Sarah are making 2D shapes with different lengths of ribbon. They agree that the lengths of any shapes that they make will be a whole number of centimetres. The shapes will also all be regular. Starting with a length of ribbon $1 \frac{1}{4} \mathrm{~m}$ long, what is the largest heptagon they can make?


3 Bottled water is sold is packs of six. A school is organising a 5 Km walk for charity and wants to ensure that every walker can have one bottle of water. For safety reasons, the school has limited the number of participants to one hundred people. How many packs of water should they buy?


Oranges are sold individually. Ruby could buy six oranges for exactly £1.68. If she only has £2 to spend, could she buy 7 oranges? Convince me!



What are the values of the letters ' $a$ ' and 'b'?

## Select Answers

## Remember To:

I can combine 2 or more Tables Facts to solve division (with remainders) ( $\times 6,7,8,9$ )

- think of 10 lots
- see how many more there are
- add on how many lots this is too
- find the remainder

She would expect to run just over 12 km .

The largest heptagon they can make would use 1.4 m of the ribbon. This sides of the heptagon would be 0.2 m in length.

They should buy 17 packs of water.

Yes, she could buy 7 oranges as it would cost $£ 1.96$ altogether.

$$
a=27, b=280
$$

## Question Practice Resources

Question 9 - I can solve any 3 digit - 3 digit

Repeat Questions


Tronimple


| $1834-654$ |
| :--- | :--- |

(3) 987-756

5 732-543

| 7 170-100 |
| :--- | :--- |

9) 955-632

| (8) $766-412$ |
| :--- |
| $10731-543$ |

## Repeat Answers



Ezample


1) $834-654=180$
2) 245-154 = 91
(3) $987-756=231$
3) $563-432=131$
(6) $\mathbf{9 5 4 - 3 8 6 = 5 6 8}$
(8) $766-412=354$
4) $731-543=188$

## Question Practice Resources

Question 10 - I can solve a $3 d \div 1 d$ (using any table) with no remainders in the answer

## Repeat Questions

## Step

4

Division
Column Methods

I can solve a $3 d \div 1 d$ (using any
table) No remainders inside the answer

Fromple


5) $486 \div 9$

9) $324 \div 6$
(2) $666 \div 6$

6. $390 \div 6$
8. $480 \div 8$
10) $325 \div 5$

## Repeat Answers

## Step

4

Division
Column Methods

I can solve a $3 d \div 1 d$ (using any
table) No remainders inside the answer

Fiscinple

$$
\begin{array}{r}
42 \\
7 \longdiv { 2 9 4 }
\end{array}
$$


5. $486 \div 9=54$

(2) $666 \div 6=111$

6) $390 \div 6=65$
8) $480 \div 8=60$
10) $325 \div 5=65$

