

# Give me 5!



You have 5 minutes to answer these 5 questions.

In the back of your journal, write the date.

Try your best and show all of your working out (making sure your final answer is clear).

If you finish, check your working.

Can you beat your best score?

Can you beat your best time?

Give me 5! 

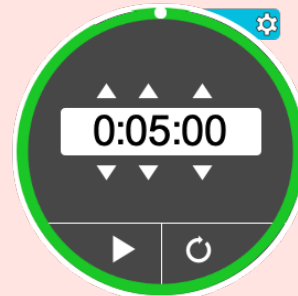
1.  $294 + 2847 =$

2.  $5948 - 1039 =$

3.  $32 \div 8 =$

4.  $700 \times 8 =$

5.  $29 \times 3 =$



# Give me 5!



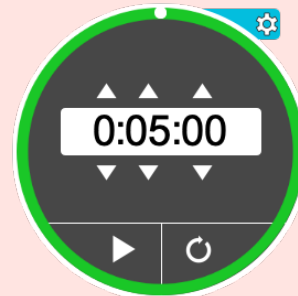
1.  $294 + 2847 = 3141$

2.  $5948 - 1039 = 4909$

3.  $32 \div 8 = 4$

4.  $700 \times 8 = 5600$

5.  $29 \times 3 = 87$



## In Focus



bought a gift for a friend.

They shared the cost of the gift equally.



Find the amount each person paid.

How will what we already know help us to calculate the quotient?

What do we already know from the problem?

What is the problem asking us to find out?

Is this a grouping or sharing problem?

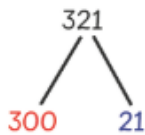
## Let's Learn

$$321 \div 3 = \square$$

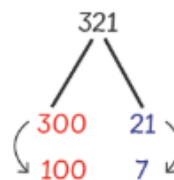


Take 300 from 321. 21 is left.  
Take 21 from 21. That's all!

Method 1



Divide 300. Divide 21.  
The result is a quotient.



Method 2

3 hundreds  $\div$  3

$$\begin{array}{r}
 3 \overline{) 321} \\
 \underline{- 3} \phantom{00} \\
 21 \\
 \underline{- 21} \\
 0
 \end{array}$$

$$\begin{array}{r}
 1 \\
 3 \overline{) 321} \\
 \underline{- 3} \phantom{00} \\
 21 \\
 \underline{- 21} \\
 0
 \end{array}$$

21 ones  $\div$  3

$$\begin{array}{r}
 107 \\
 3 \overline{) 321} \\
 \underline{- 3} \phantom{00} \\
 21 \\
 \underline{- 21} \\
 0
 \end{array}$$

$$321 \div 3 = 107$$

Each person paid £107.

**Guided Practice**

1 Find the value of  $168 \div 2$ .

100  
10 10 10 10 10 10  
1 1 1 1 1 1 1 1

You may use number discs to help you.

2 Divide.

(a)  $98 \div 7 =$    $798 \div 7 =$   What is the quotient of  $104 \div 8$ ?

(b)  $96 \div 8 =$    $104 \div 8 =$   What does the quotient tell us?

Complete Worksheet 15 - Page 126

Further Multiplication and Division Page 196

**Worksheet 15****Dividing 3-Digit Numbers****1** Divide.

(a)  $118 \div 2$

$= \boxed{\phantom{000}}$

$2 \overline{) 118}$

(b)  $120 \div 8$

$= \boxed{\phantom{000}}$

$8 \overline{) 120}$

(c)  $420 \div 4$

$= \boxed{\phantom{000}}$

$4 \overline{) 420}$

(d)  $288 \div 9$

$= \boxed{\phantom{000}}$

$9 \overline{) 288}$

(e)  $336 \div 6$

$= \boxed{\phantom{000}}$

$6 \overline{) 336}$

(f)  $735 \div 7$

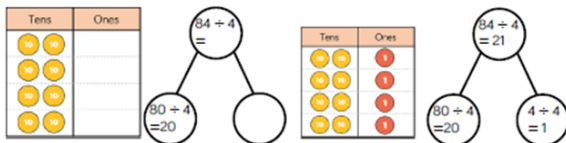
$= \boxed{\phantom{000}}$

$7 \overline{) 735}$



1 Jack is dividing 84 by 4 using place value counters.

First, he divides the tens. Then, he divides the ones.



Use Jack's method to calculate:

$$69 \div 3 \quad 88 \div 4 \quad 96 \div 3$$

2 37 sweets are shared between 4 friends.  
How many sweets are left over?

Four children attempt to solve this problem.

- Alex says it's 1
- Mo says it's 9
- Eva says it's 9 r 1
- Jack says it's 8 r 5

Can you explain who is correct and the mistakes other people have made?

3 Eva has 96 sweets.  
She shares them into equal groups.  
She has no sweets left over.  
How many groups could Eva have shared her sweets into?

5 Use  $<$ ,  $>$  or  $=$  to complete the statements.

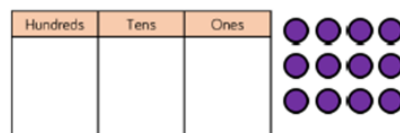
$$69 \div 3 \quad 96 \div 3$$

$$96 \div 4 \quad 96 \div 3$$

$$91 \div 7 \quad 84 \div 6$$

4

You have 12 counters and the place value grid. You must use all 12 counters to complete the following.



Create a 3-digit number divisible by 2  
Create a 3-digit number divisible by 3  
Create a 3-digit number divisible by 4  
Create a 3-digit number divisible by 5  
Can you find a 3-digit number divisible by 6, 7, 8 or 9?

## ANSWERS

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Worksheet 15****Dividing 3-Digit Numbers****1** Divide.

(a)  $118 \div 2$

$= \boxed{59}$

$$\begin{array}{r} 059 \\ 2 \overline{) 118} \\ \underline{-0} \phantom{0} \\ 11 \phantom{0} \\ \underline{-10} \phantom{0} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

(b)  $120 \div 8$

$= \boxed{15}$

$$\begin{array}{r} 015 \\ 8 \overline{) 120} \\ \underline{-0} \phantom{0} \\ 12 \phantom{0} \\ \underline{-8} \phantom{0} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

(c)  $420 \div 4$

$= \boxed{105}$

$$\begin{array}{r} 105 \\ 4 \overline{) 420} \\ \underline{-4} \phantom{0} \\ 2 \phantom{0} \\ \underline{-0} \phantom{0} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

(d)  $288 \div 9$

$= \boxed{32}$

$$\begin{array}{r} 032 \\ 9 \overline{) 288} \\ \underline{-0} \phantom{0} \\ 28 \phantom{0} \\ \underline{-27} \phantom{0} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

(e)  $336 \div 6$


$= \boxed{56}$

$$\begin{array}{r} 056 \\ 6 \overline{) 336} \\ \underline{-0} \phantom{0} \\ 33 \phantom{0} \\ \underline{-30} \phantom{0} \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

(f)  $735 \div 7$

$= \boxed{105}$

$$\begin{array}{r} 105 \\ 7 \overline{) 735} \\ \underline{-7} \phantom{0} \\ 3 \phantom{0} \\ \underline{-0} \phantom{0} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

1 Jack is dividing 84 by 4 using place value counters. 

First, he divides the tens. Then, he divides the ones.

Tens	Ones
10	
10	
10	
10	
10	

$84 \div 4 =$

$80 \div 4 = 20$

Tens	Ones
10	1
10	1
10	1
10	1
10	1

$84 \div 4 = 21$

$4 \div 4 = 1$

Use Jack's method to calculate:

$69 \div 3$    **33**    $88 \div 4$    **22**    $96 \div 3$    **32**

2 37 sweets are shared between 4 friends. How many sweets are left over?

Four children attempt to solve this problem.

- Alex says it's 1
- Mo says it's 9
- Eva says it's 9 r 1
- Jack says it's 8 r 5

Can you explain who is correct and the mistakes other people have made?

Alex is correct. 37 divided by 4 is 9 sweets, with one left over. Mo is describing how many sweets each child gets. Eva has given the whole answer and not just what is left over. Jack has made a mistake in his calculation.

3 Eva has 96 sweets. She shares them into equal groups. She has no sweets left over. How many groups could Eva have shared her sweets into?

2, 48, 3, 32, 4, 24, 6, 16, 8, 12

5 Use  $<$ ,  $>$  or  $=$  to complete the statements.

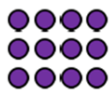
$69 \div 3$  <  $96 \div 3$

$96 \div 4$  <  $96 \div 3$

$91 \div 7$  <  $84 \div 6$

4 You have 12 counters and the place value grid. You must use all 12 counters to complete the following.

Hundreds	Tens	Ones



Create a 3-digit number divisible by 2  
 Create a 3-digit number divisible by 3  
 Create a 3-digit number divisible by 4  
 Create a 3-digit number divisible by 5  
 Can you find a 3-digit number divisible by 6, 7, 8 or 9?

A variety of answers are possible. Ask an adult to check the answers you have chosen.