

## Introduction

Which is the odd one out?

$$1,530 \div 6$$

$$1,354 \div 2$$

$$1,020 \div 4$$

## Introduction

Which is the odd one out?

$$1,530 \div 6 = 255$$



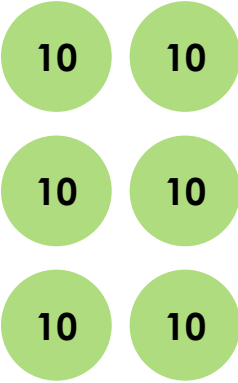
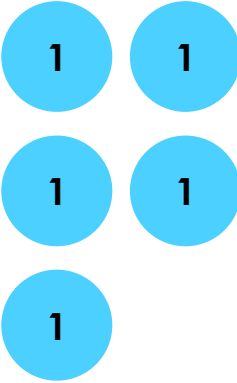
$$1,354 \div 2 = 677$$

$$1,020 \div 4 = 255$$

## Varied Fluency 1

Match the question to the correct answer.

$$2,165 \div 6$$

Thousands	Hundreds	Tens	Ones
			


361 r2

360 r5

321 r2

## Varied Fluency 1

Match the question to the correct answer.

$$2,165 \div 6$$

Thousands	Hundreds	Tens	Ones
<div style="display: flex; justify-content: space-around;"> <div style="background-color: yellow; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1,000</div> <div style="background-color: yellow; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1,000</div> </div>	<div style="background-color: #f4a460; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">100</div>	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;"> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> <div style="background-color: #90ee90; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">10</div> </div>	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;"> <div style="background-color: #00bfff; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1</div> <div style="background-color: #00bfff; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1</div> <div style="background-color: #00bfff; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1</div> <div style="background-color: #00bfff; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1</div> <div style="background-color: #00bfff; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">1</div> </div>

	0	3	6	0	r5
6	2	21	36	5	

361 r2

360 r5


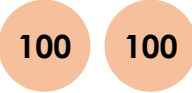
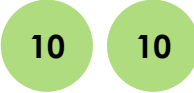
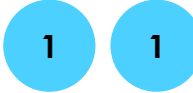

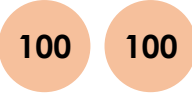
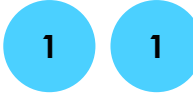

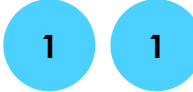

321 r2

## Varied Fluency 2

**True or false?**

**The answer to the calculation below has a remainder.**

$$3,527 \div 4$$

Thousands	Hundreds	Tens	Ones
			
			
			
			


## Varied Fluency 2

True or false?

The answer to the calculation below has a remainder.

$$3,527 \div 4$$

Thousands	Hundreds	Tens	Ones
1,000 1,000	100 100	10 10	1 1
1,000	100 100		1 1
	100		1 1
			1

	0	8	8	1	r3
4	3	<sup>3</sup> 5	<sup>3</sup> 2	7	

**True. The answer is 881 r3**

### Varied Fluency 3

Calculate the value of A.

1,267			
A	A	A	1

3					

### Varied Fluency 3

Calculate the value of A.

1,267			
422	422	422	1

	0	4	2	2	r1
3	1	12	6	7	

$$A = 422$$

NOW COMPLETE THE VARIED FLUENCY ACTIVITY, CHOOSING EITHER DEVELOPING, EXPECTED OR GREATER DEPTH.



Reasoning 1

Ben and Josh are calculating  $6,657 \div 5$ .



Ben

The answer is  
 $1,331 \text{ r}2$ .



Josh

The answer is  
 $1,331 \text{ r}5$ .

Who is correct?  
Explain your reasoning.

## Reasoning 1

Ben and Josh are calculating  $6,657 \div 5$ .



Ben

The answer is  
 $1,331 \text{ r}2$ .



Josh

The answer is  
 $1,331 \text{ r}5$ .

Who is correct?  
Explain your reasoning.

Ben is correct because...

## Reasoning 1

Ben and Josh are calculating  $6,657 \div 5$ .



Ben

The answer is  
 $1,331 \text{ r}2$ .



Josh

The answer is  
 $1,331 \text{ r}5$ .

Who is correct?  
Explain your reasoning.

**Ben is correct because Josh's remainder is the same as the divisor.**

## Problem Solving 1

Apples are packed into crates. One crate holds 8 apples.

There are 2,487 apples.

How many crates are needed to hold all the apples?


## Problem Solving 1

Apples are packed into crates. One crate holds 8 apples.

There are 2,487 apples.

How many crates are needed to hold all the apples?

	0	3	1	0	r7
8	2	4	8	7	

**311 crates will be needed.**

## Problem Solving 2

Arrange the number cards below to create a calculation which has a remainder of 1.

Complete the calculation.



							r1
	6		2	<input type="text"/>	<input type="text"/>	<input type="text"/>	

## Problem Solving 2

Arrange the number cards below to create a calculation which has a remainder of 1.

Complete the calculation.



		0	4	4	1	r1
6	2	<sup>2</sup> 6	<sup>2</sup> 4	7		

Various answers, for example:  $2,647 \div 6 = 441 \text{ r}1$

**NOW COMPLETE REASONING + PROBLEM SOLVING ACTIVITY,  
CHOOSING EITHER DEVELOPING, EXPECTED OR GREATER DEPTH.**



**IF YOU HAVE TIME, COMPLETE THE  
HOMEWORK/EXTENSION ACTIVITY,  
CHOOSING EITHER DEVELOPING,  
EXPECTED OR GREATER DEPTH.**

**DON'T FORGET TO MARK YOUR ANSWERS!**