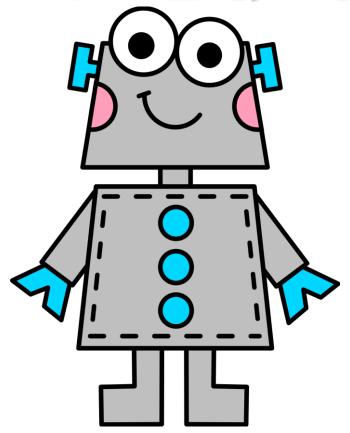


MYSTERY OF THE MISSING SCHOOL ROBOT!



Detective Name:

DISASTER HAS STRUCK PEACHBERRY ELEMENTARY!

Oh no, the school's much-loved Robbie Robot is missing! Robbie Robot helps out in the office, cooks in the cafeteria, helps in the classrooms and his disappearance is a DISASTER!

Everyone is so incredibly sad! Teachers can't teach, kids can't learn ... How on earth does a robot just disappear?

There are 10 people who saw Robbie Robot last around the time he went missing. These 10 people are considered SUSPECTS!

Here is your detective brief:

 Complete each math worksheet and remember to check your answers carefully.

2. At the end of each activity, you will be given a clue that will draw you closer and closer to solving this mystery!

Each time you crack a clue, return to the 'Top 10 Suspects
 Sheet' to cross off or tick suspects!

4. Then complete the next Math Worksheet for your next clue.

 You can do this! You have been assigned Chief Detective because of your extraordinary problem-solving skills.

Good luck!

TOP 10 SUSPECT SHEET!

Directions: Use this sheet to cross off suspects as you crack the code on each worksheet.

Suspects	Places	Reason
Mr Frazzlebone Principal	Principal's Office	Drawing up plans for a new school playground
2. Mr Pickles Janitor	School Corridor	Polishing Robbie's metal body and his 96 buttons
3. Mr Potts Librarian	Library	Helping librarian unpack 231 books from boxes
4. Mrs Zany Scientist	Science Lab	Mixing liquids for a science experiment
5. Grade 5 kids	School Field	Playing baseball at 10.55am
6. Mrs Howard Secretary	Front Office	Replacing A4 paper in the photocopier
7. Mrs Petal Cafeteria Manager	Kitchen	Stock-taking in the cafeteria
8. Mr Jessup Gardener	In garden shed	Sorting 210 pots
9. Mr Mac Grade 7 Teacher	Grade 7 classroom	Rearranging desks and chairs in the classroom
10. The Parents	Front of school at drop-off time	Having a morning chat

PLACE VALUE CLUE # 1

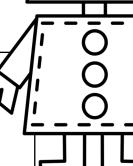
Directions: Check the following sums and then write true or false:

Place Value	True or False
200 + 50 + 5 = 255	
600 + 30 + 2 = 602	
500 + 70 + 0 = 570	
700 + 60 + 0 = 760	
900 + 90 + 9 = 999	
3000 + 200 + 40 + 7 = 3247	
6000+ 0 + 90 + 8 = 6008	
1000 + 900 + 20 = 1920	
2000 + 0 + 80 + 1 = 2018	7
5000 + 700 +50 + 7 = 5757	/ī - Ō



More true answers: Suspect is a male

More false answers: Suspect is a female



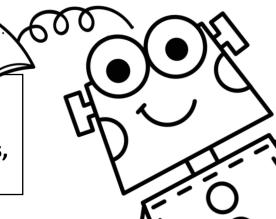
ORDERING NUMBERS CLUE #2

Directions: Order these numbers from smallest to largest

Numbers	Smallest to Largest
4524, 5486, 3928	
1928, 9382, 5844	
2036, 6048, 1124	
3046, 4058, 2914	
6754, 2398, 7696	
5563, 4253, 8901	
9038, 2678, 4930	
4400, 3006, 1202	
6482, 6094, 4996	
1554, 8938, 3920	

Your next clue:

If there are more odd number sequences, then eliminate all the indoor places. If there are more even number sequences, then eliminate all the outdoor places.



NUMBER PATTERNS CLUE #3

Directions: Complete the following number patterns:

1417	1427	1437		
2325	2345		2385	
8117	8217	8317		
7584		7784		7984
3189		3589	3789	
		1	1	
2256		4256	5256	

Here's your 3rd clue:

Tick which skip counting pattern occurs the most often:

- ☐ 10s: It's not Mr Frazzlebone
- ☐ 20s: It's not Mrs Potts
- ☐ 100s: It's not the Mrs Zany

WORD PROBLEMS CLUE :

Directions: Solve the following word problems:

Jack has 324
marbles.
His brother has
double that amount.
How many marbles
does his brother
have?

Jen has 546 gems. Sam has 342 gems. How many gems do they have in total?

In an aviary, there are 110 blue birds and 321 green birds. How many birds in all?

There are 289 buzzing bees inside a hive and 145 bees outside the hive. How many bees in total?

If there are 672 pencils in one box, how many pencils are there in 2 boxes?

In the garden, there are 935 red flowers and 412 yellow flowers. How many flowers altogether?



4th clue:

Mr Mac got the date wrong! He was actually away the day Robbie Robot went missing, therefore he is no longer a suspect...Phew!

MENTAL MATH CLUE \$5

Directions: Solve and write your answers in the boxes below:

Mental Math	Write your answers
1 dozen	
6 groups of 10	
12 x 8	
250 +250 + 250 =	
Half of 192	
How many days in a leap year?	
375 add 15	

Great job...You're halfway there!

This two-digit answer appears twice!	ls	it:
750		

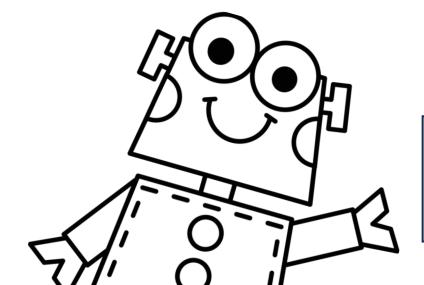
- **–** /50
- **96**
- **390**

Go to the 'Top 10 Suspect Sheet' to locate this number and eliminate that suspect!

3D SHAPE CLUE 56

Directions: Draw a line to match the 3D shape to its description

cube	I have 8 sides
hexagon	A solid shape with no edges
octagon	I have 6 faces
sphere	I have 2 bases and no straight edges
cylinder	I have 5 sides



Clue 6:

Count how many 3D shapes are listed on this page. Then eliminate that number suspect!

MULTIPLICATION GLUE #7

Directions: Solve the following multiplication products:

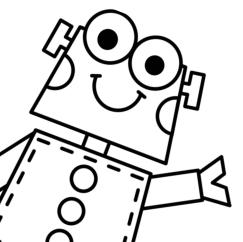
45 x 4 62 <u>x 7</u>

86 x 5

77 x 3 84 x 9 90 x 2

55 x 8

29 x 8__ 68 <u>k 6</u>



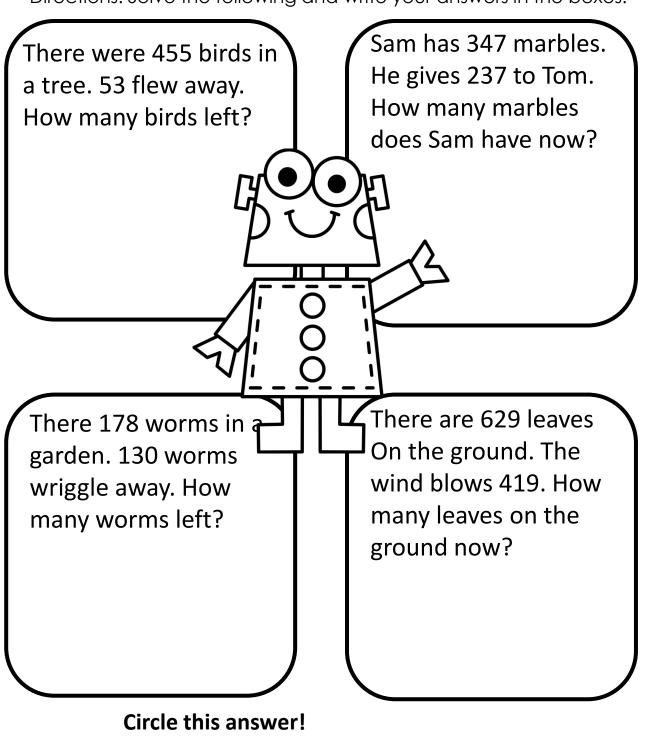
Clue 7:

For your next clue, you are looking for:

- ☐ A three-digit number
- ☐ An odd number greater than 200
- ☐ Once you find it, go to the 'Top 10 Suspects Sheet'
- ☐ Find the number and eliminate this suspect!

MATH STORIES CLUE #8

Directions: Solve the following and write your answers in the boxes:



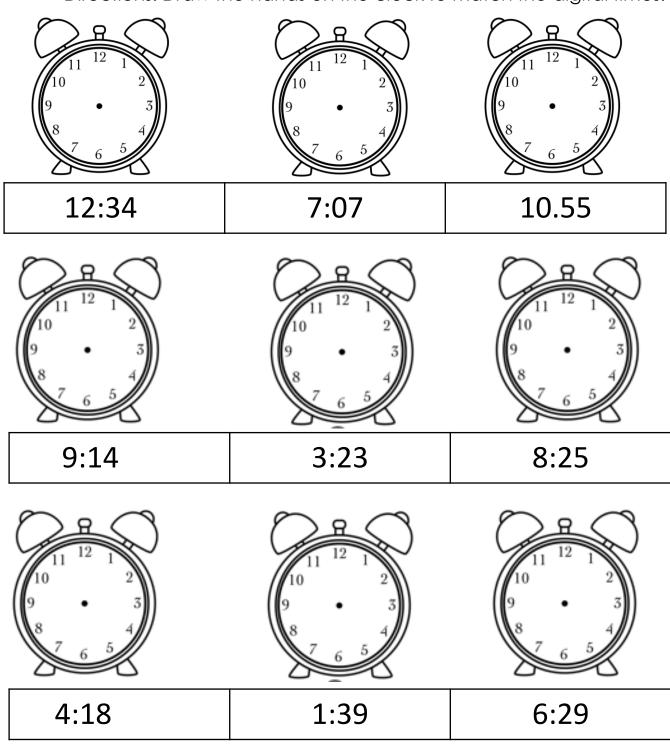
C/re:

☐ The number is between 200 and 220!

☐ Find this number on the Suspicious Suspects page and confidently eliminate that suspect!

TELLING THE TIME CLUE 139

Directions: Draw the hands on the clock to match the digital times:



Circle the third clock in the first row. Next, find this time on the 'Top 10 Suspicious Suspect Sheet.' Then eliminate this suspect!

COMPARING NUMBERS CLUE # 10

Directions: Use the >, < or = to compare the following numbers:

g r e h		r	a	Ţ.	g	n
<u>е</u> Н	d	n	e	d	е	<u>e</u>
Once you find the suspe letters to find ou				_	-	ng the
731			93	36		
573			75	53		
379			65	54		
120			12	20		
493			57	76		
918			65	57		
987			74	16		
345			87	73		

TEACHER ANSWERS

PLACE VALUE CLUE # 1

Directions: Check the following sums and then write true or false:

Place Value	True or False
200 + 50 + 5 = 255	true
600 + 30 + 2 = 602	false
500 + 70 + 0 = 570	true
700 + 60 + 0 = 760	true
900 + 90 + 9 = 999	true
3000 + 200 + 40 + 7 = 3247	true
6000 + 0 + 90 + 8 = 6008	false
1000 + 900 + 20 = 1920	true
2000 + 0 + 80 + 1 = 2018	false) (
5000 + 700 +50 + 7 = 5757	true



ORDERING NUMBERS CLUE #2

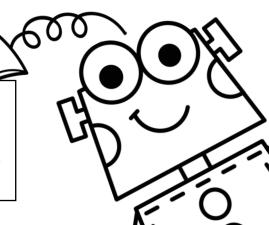
Directions: Order these numbers from smallest to largest

Numbers	Smallest to Largest
4524, 5486, 3928	3928, 4524, 5486
1928, 9382, 5844	1928, 5844, 9382
2036, 6048, 1124	1124, 2036, 6048
3046, 4058, 2914	2914, 3046, 4058
6754, 2398, 7696	2398, 6754, 7696
5563, 4253, 8901	4253, 5563, 8901
9038, 2678, 4930	2678, 4930, 9038
4400, 3006, 1202	1202, 3006, 4400
6482, 6094, 4996	4996, 6094, 6482
1554, 8938, 3920	1554, 3920, 8938

Your next clue:

If there are more odd number sequences, then eliminate all the indoor places.

If there are more even number sequences, then eliminate all the outdoor places.



NUMBER PATTERNS CLUE #3

Directions: Complete the following number patterns:

1417	1427	1437	1437 1447	
2325	2345	2365	2385	2405
8117	8217	8317	8417	8517
7584	7684	7784	7884	7984
3189	3389	3589	3789	3989
2256	3256	4256	5256	6256

Here's your 3rd clue:

Tick which skip counting pattern occurs the most often:

☐ 10s: It's not Mr Frazzlebone

☐ 20s: It's not Mrs Potts

100s: It's not the Mrs Zany

WORD PROBLEMS CLUE 54

Directions: Solve the following word problems:

Jack has 324 marbles.
His brother has double that amount.
How many marbles does his brother have?

Jen has 546 gems. Sam has 342 gems. How many gems do they have in total? In an aviary, there are 110 blue birds and 321 green birds. How many birds in all?

648 marbles

888 gems

431 birds

There are 289 buzzing bees inside a hive and 145 bees outside the hive. How many bees in total?

434 bees

If there are 672 pencils in one box, how many pencils are there in 2 boxes?

1344 pencils

In the garden, there are 935 red flowers and 412 yellow flowers. How many flowers altogether?

1347 flowers



Mr Mac got the date wrong! He was actually away the day Robbie Robot went missing, therefore he is no longer a suspect...Phew!

MENTAL MATH CLUE #5

Directions: Solve and write your answers in the boxes below:

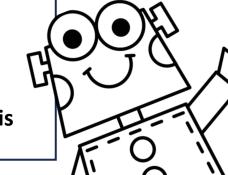
Mental Math	Write your answers			
1 dozen	12			
6 groups of 10	60			
12 x 8	96			
250 +250 + 250 =	750			
Half of 192	96			
How many days in a leap year?	366			
375 add 15	390			

Great job...You're halfway there!

This two-digit answer appears twice! Is it:

- **750**
- **√** 96
- **390**

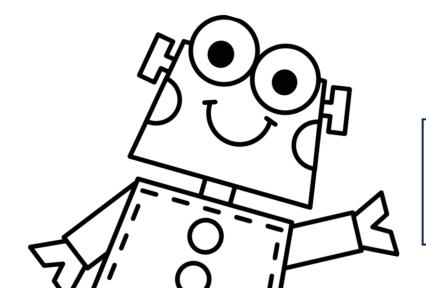
Go to the 'Top 10 Suspect Sheet' to locate this number and eliminate that suspect!



3D SHAPE CLUE 56

Directions: Draw a line to match the 3D shape to its description

cube	I have 8 sides		
hexagon	A solid shape with no edges		
octagon	1 have 6 faces		
sphere	I have 2 bases and no straight edges		
cylinder	have 5 sides		



Clue 6:

Count how many 3D shapes are listed on this page. Then eliminate that number suspect!

MULTIPLICATION GLUE #7

Directions: Solve the following multiplication products:

45 x 4

180

62

x 7

434

86

x 5

430

77 <u>x 3</u> **231** 84

x 9

756

90

2

180

55 <u>x 8</u> **440** 29

x 8

232

68

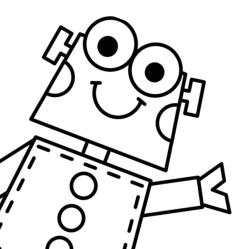
x 6

408



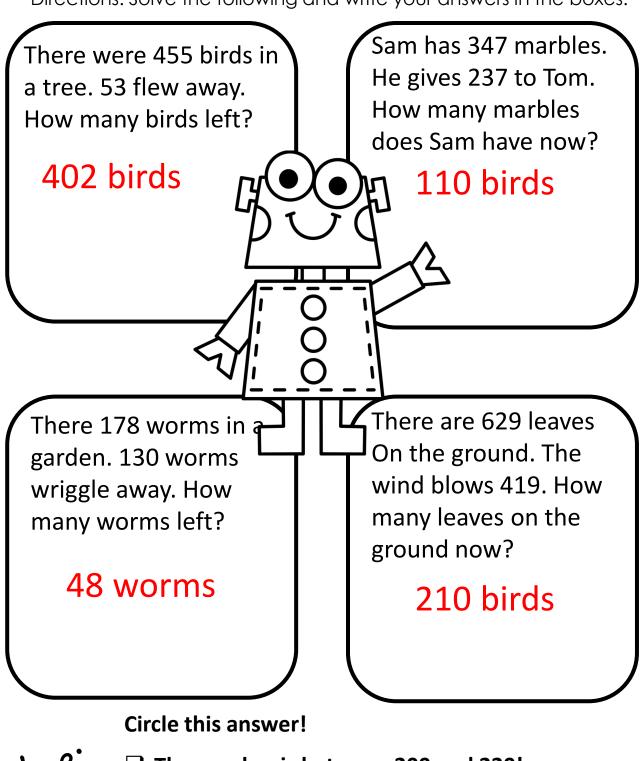
For your next clue, you are looking for:

- ☐ A three-digit number
- ☐ An odd number greater than 200
- ☐ Once you find it, go to the 'Top 10 Suspects Sheet'
- ☐ Find the number and eliminate this suspect!



MATH STORIES CLUE #8

Directions: Solve the following and write your answers in the boxes:

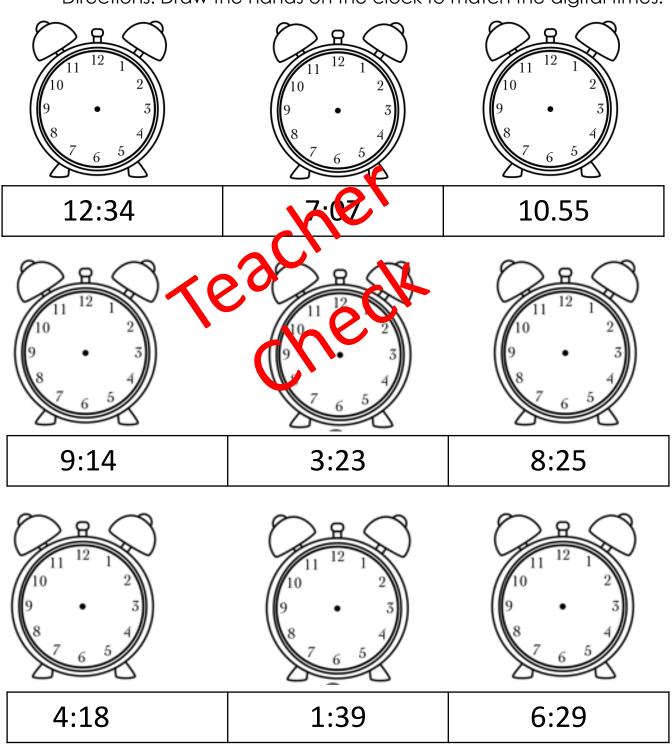


The number is between 200 and 220!

☐ Find this number on the Suspicious Suspects page and confidently eliminate that suspect!

TELLING THE TIME CLUE 139

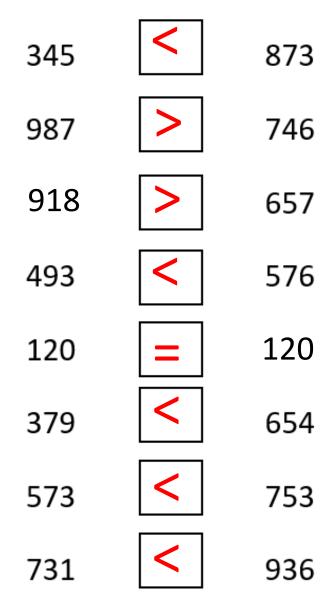
Directions: Draw the hands on the clock to match the digital times:



Circle the third clock in the first row. Next, find this time on the 'Top 10 Suspicious Suspect Sheet.' Then eliminate this suspect!

COMPARING NUMBERS CLUE # 10

Directions: Use the >, < or = to compare the following numbers:



Once you find the suspect, crack this code by unjumbling the letters to find out why Robbie Robot was taken:

е	Н	d	n	е	d	е	e
	е	h c	- <u>r</u>		_ï		<u>n</u>

CREDITS









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