Dear Parents/Carers,
This powerpoint takes the children through the learning sequence. If possible please talk through the slides with your child and check their understanding. The slides start at a basic level to re-cap previous learning.

Consolidation of addition and subtraction

19.6.20

19.6.20

LO: I can use addition and subtraction to solve problems

Starter

What number is Anna thinking of?

My near number is 600.
All of my digits add up to an odd number but my tens number is even.

Is there more than one possible answer?

Use addition or subtraction to solve the problem.

Starter - answer

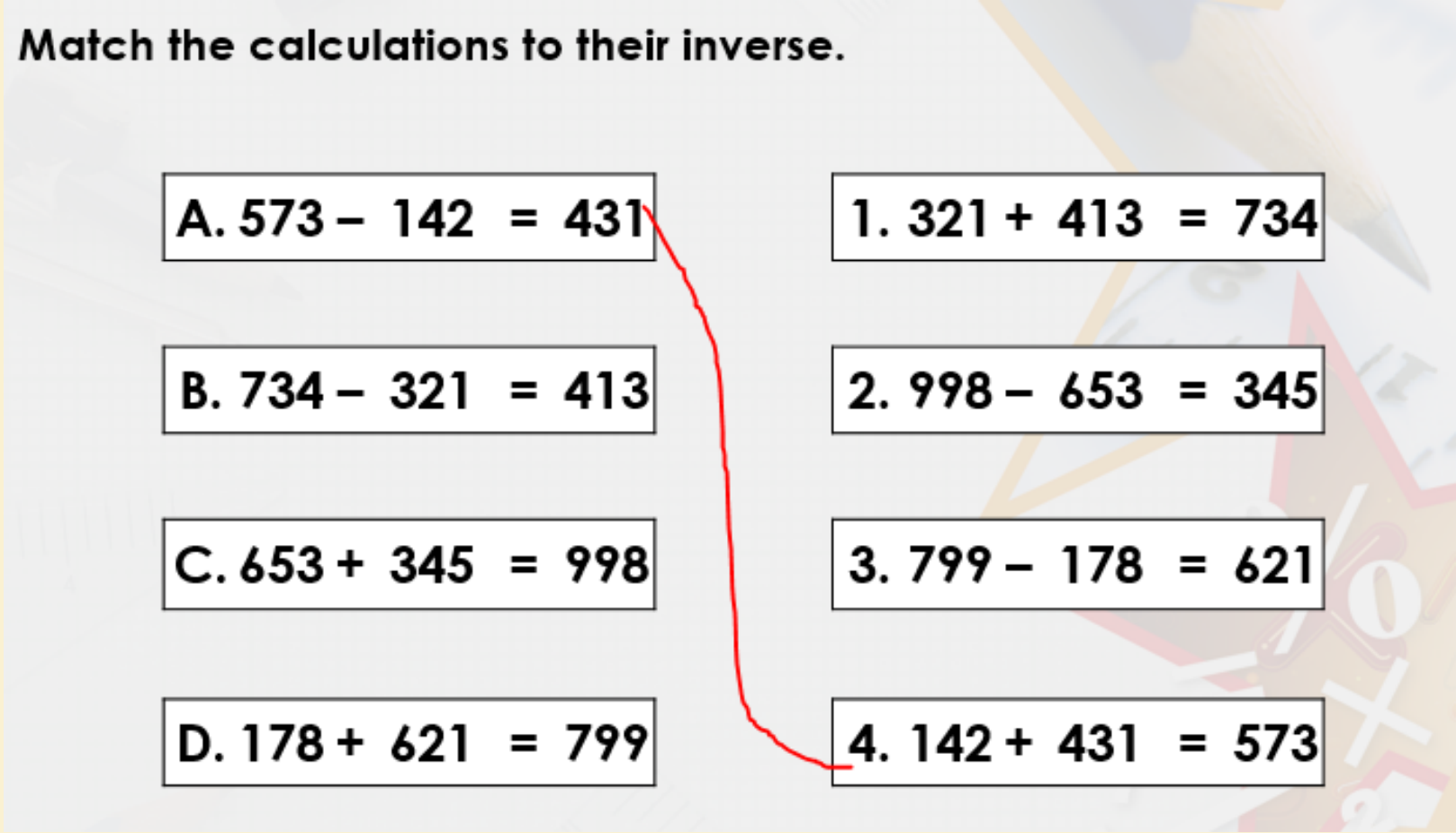
What number is Anna thinking of?

My near number is 600.
All of my digits add up to an odd number but my tens number is even.

Is there more than one possible answer?

Various answers, for example: 582, 584, 621.

Descriptive Teaching



I have done the first one to help you.

Remember, inverse is the opposite.

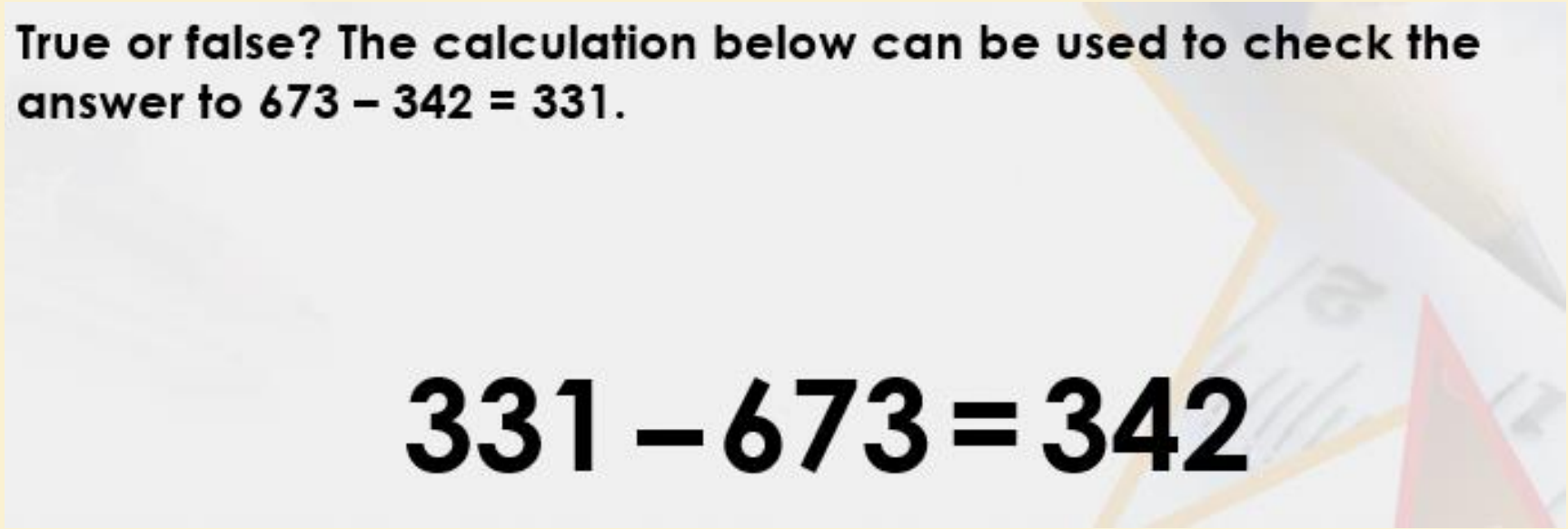
Descriptive Teaching - Answer

Match the calculations to their inverse.

A. 573 – 142 = 431	1. 321 + 413 = 734
B. 734 – 321 = 413	2. 998 – 653 = 345
C. 653 + 345 = 998	3. 799 – 178 = 621
D. 178 + 621 = 799	4. 142 + 431 = 573

A4; B1; C2; D3

Descriptive Doing



what number must we start subtractions with?

Descriptive Doing - Answer

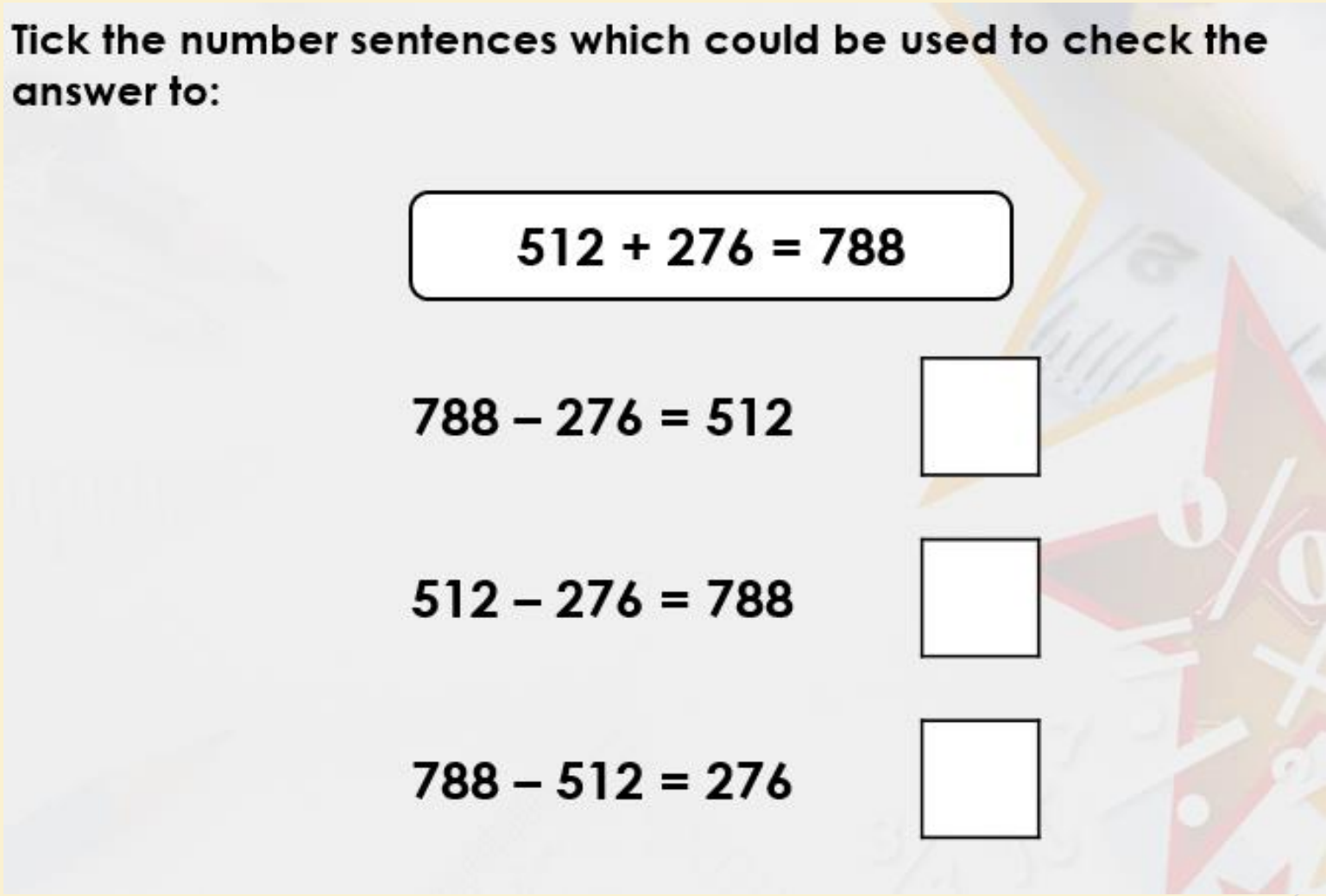
True or false? The calculation below can be used to check the answer to 673 – 342 = 331.

$$331 - 673 = 342$$

False, the correct calculation is 673 – 331 = 342.

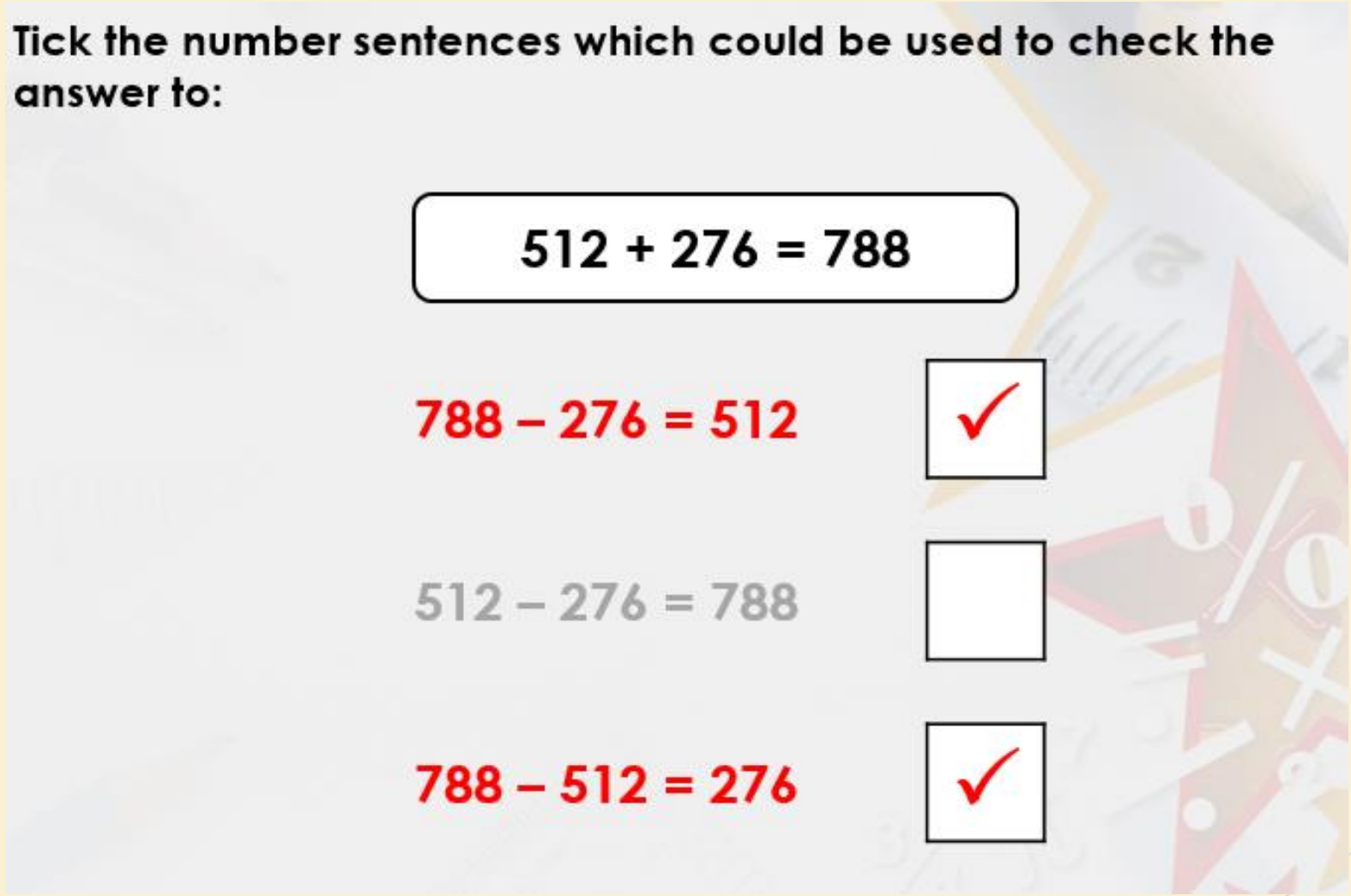
We must always start subtraction calculations with the largest number.

Reflective Teaching



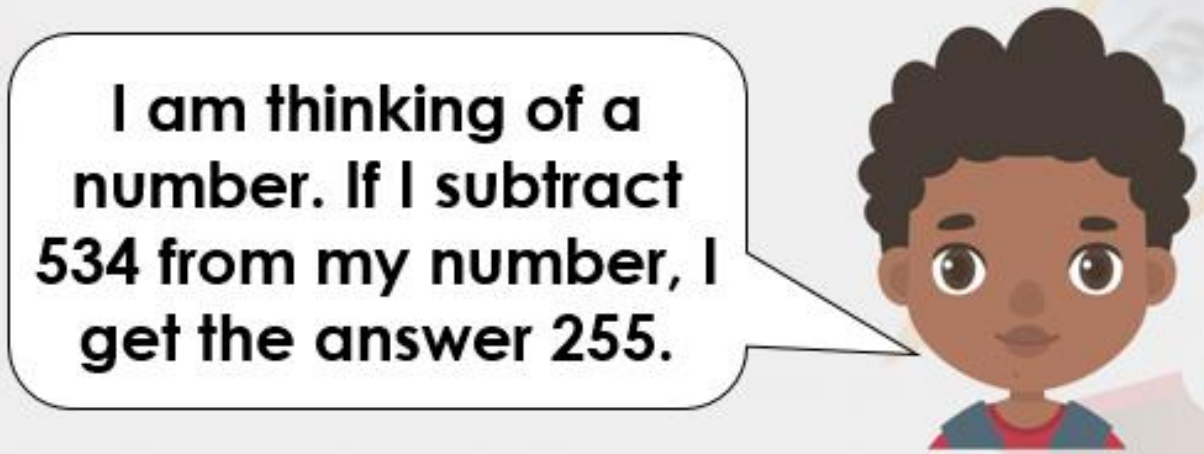
Write the correct calculations in your book.

Reflective Teaching - Answers



Reflective Doing

James says,

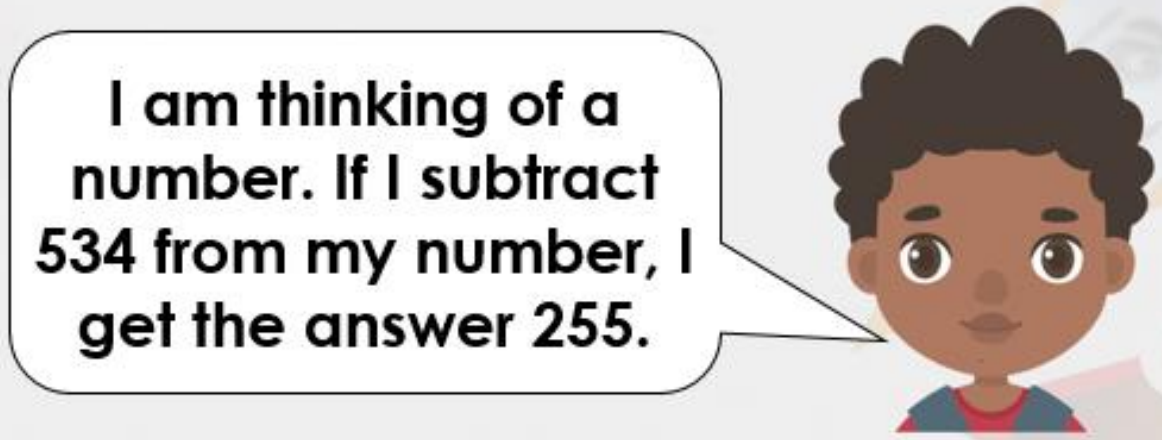


Which number is he thinking of?

The inverse to subtraction is…?
So the calculation to solve this will be…?

Reflective Doing - Answers

James says,



Which number is he thinking of?

789

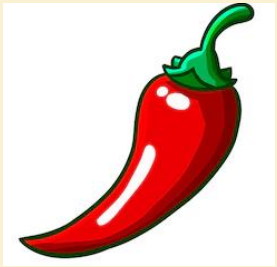
The calculation will be 534 + 255 = 789.

Independent work

The following slides are questions for you to work through independently.

There are 3 sets of work - 1 chili (the easiest), 2 chilies, 3 chilies (the hardest). Choose one set you feel most comfortable with.

Independent work



1a. Circle the odd one out.

A. $63 + 34 = 97$

C. $97 - 34 = 63$

B. $63 - 97 = 34$

D. $34 + 63 = 97$

Explain your reasoning.

D

S R

1b. Circle the odd one out.

A. $76 - 34 = 42$

C. $34 + 42 = 76$

B. $76 - 42 = 34$

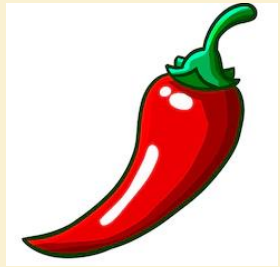
D. $42 + 76 = 34$

Explain your reasoning.

D

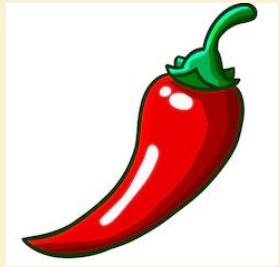
S R

Independent work



2a. Mia is checking her answer to the calculation: 45 + 34 = 79 She tries the following calculation: **45 – 79** Explain the mistake that Mia has made. Which calculations could she use? D 3 R	2b. Ben is checking his answer to the calculation: 88 – 65 = 23 He tries the following calculation: **65 + 88** Explain the mistake that Ben has made. Which calculations could he use? D 3 R

Independent work



3a. The target number is shown below.

73

Use the digit cards given to complete the calculation and reach the target number.

2 ☐ + ☐ 0 =

5 3

Write the inverse calculation to check your answer.

D

3 PS

3b. The target number is shown below.

95

Use the digit cards given to complete the calculation and reach the target number.

☐ 1 + 7 ☐ =

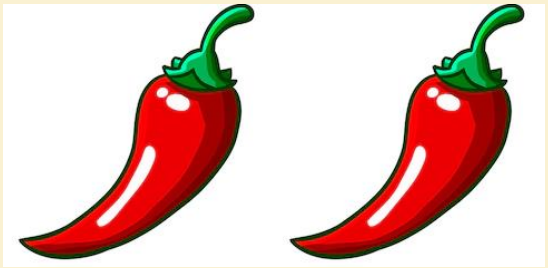
2 4

Write the inverse calculation to check your answer.

D

3 PS

Independent work



4a. Circle the odd one out.

A. 602 + 185 = 787

C. 787 – 185 = 602

B. 185 – 787 = 602

D. 185 + 602 = 787

Explain your reasoning.

E

S R

4b. Circle the odd one out.

A. 65 + 26 = 91

C. 26 + 91 = 65

B. 91 – 26 = 65

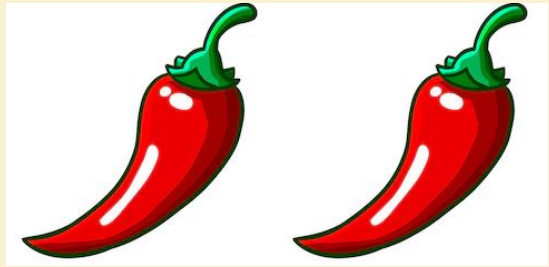
D. 91 – 65 = 26

Explain your reasoning.

E

S R

Independent work



5a. Eva is checking her answer to the calculation: 642 +153 = 795

She tries the following calculation:

642 – 795

Explain the mistake that Eva has made.

Which calculations could she use?

E

3 R

5b. Ali is checking his answer to the calculation: 582 – 271 = 311

He tries the following calculation:

271 + 582

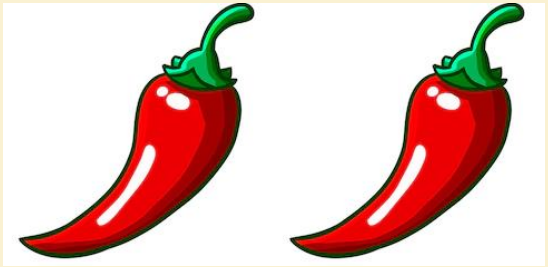
Explain the mistake that Ali has made.

Which calculations could he use?

E

3 R

Independent work



6a. The target number is shown below.

687

Use the digit cards given to complete the calculation and reach the target number.

5 ☐ ☐ + ☐ 0 5 =

1 8 2

Write the inverse calculation to check your answer.

E

3 PS

6b. The target number is shown below.

845

Use the digit cards given to complete the calculation and reach the target number.

3 ☐ 7 + ☐ 7 ☐ =

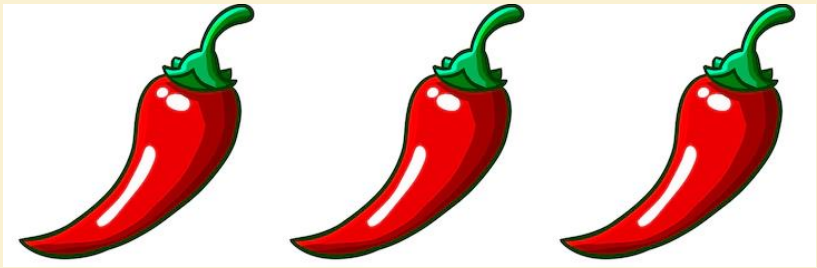
4 6 8

Write the inverse calculation to check your answer.

E

3 PS

Independent work



7a. Circle the odd one out.

A. 452 + 79 = 531

C. 531 – 452 = 79

B. 452 – 79 = 531

D. 79 + 452 = 531

Explain your reasoning.

GD

3 R

7b. Circle the odd one out.

A. 657 + 278 = 935

C. 935 – 657 = 278

B. 278 + 657 = 935

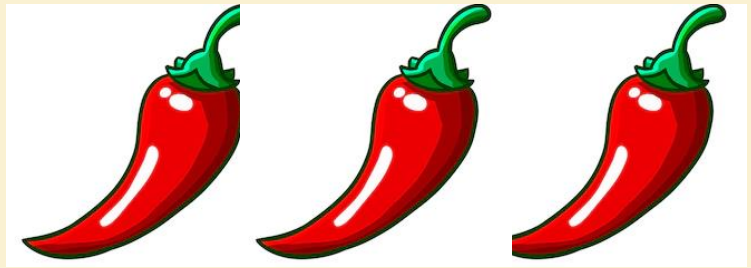
D. 657 – 935 = 278

Explain your reasoning.

GD

3 R

Independent work



8a. Jen is checking her answer to the calculation: 567 + 285 = 852

She tries the following calculation:

852 + 285

Explain the mistake that Jen has made.

Which calculations could she use?

GD

S R

8b. Saj is checking his answer to the calculation: 784 – 95 = 689

He tries the following calculation:

784 + 689

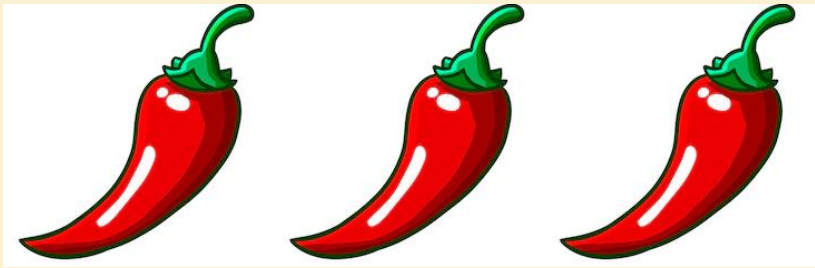
Explain the mistake that Saj has made.

Which calculations could he use?

GD

S R

Independent work



9a. The target number is shown below.

1,134

Use the digit cards given to complete the calculation and reach the target number.

7		6	+		4		=

3	8	4

Write the inverse calculation to check your answer.

GD

3 PS

9b. The target number is shown below.

942

Use the digit cards given to complete the calculation and reach the target number.

	9	3	+	2			=

9	4	6

Write the inverse calculation to check your answer.

GD

3 PS

Answers

Developing

1a. A is the odd one out because the numbers are in the incorrect order in the number sentence.

2a. Mia has put the numbers in the incorrect order in the number sentence. The calculations she could use are:
79 – 45 = 34
79 – 34 = 45

3a. 23 + 50 = 73
The inverse calculations would be:
73 – 23 = 50
73 – 50 = 23

Developing

1b. D is the odd one out because the calculation uses different numbers. Therefore, this calculation cannot be used to check the others.

2b. Ben has added the numbers from the original number sentence. He should add the answer (23) to 65.
The calculations he could use are:
65 + 23 = 88
23 + 65 = 88

3b. 21 + 74 = 95
The inverse calculations would be:
95 – 21 = 74
95 – 74 = 21

Expected

4a. A is the odd one out because the numbers are in the incorrect order in the number sentence.

5a. Eva has put the numbers in the incorrect order in the number sentence. The calculations she could use are:
795 – 153 = 642
795 – 642 = 153

6a. 582 + 105 = 687
The inverse calculations would be:
687 – 105 = 582
687 – 582 = 105

Expected

4b. C is the odd one out because 26 + 91 = 117. Therefore, this calculation cannot be used to check the others.

5b. Ali has added the numbers from the original number sentence. He should add the answer (311) to 271.
The calculations he could use are:
271 + 311 = 582
311 + 271 = 582

6b. 367 + 478 = 845
The inverse calculations would be:
845 – 478 = 367
845 – 367 = 478

Greater Depth

7a. A is the odd one out because 452 – 79 = 373. Therefore, this calculation cannot be used to check the others.

8a. Jen has added where she should use the inverse to check her answer. She needs to subtract either 567 or 285 from the answer (852).
The calculations she could use are:
852 – 567 = 285
852 – 285 = 567

9a. 786 + 348 = 1,134
The inverse calculations would be:
1,134 – 348 = 786
1,1,34 – 786 = 348

Greater Depth

7b. D is the odd one out because the numbers are in the incorrect order in the number sentence.

8b. Saj has added the answer to the larger number from the number sentence. He needs to add the smaller number (95) to the answer.
The calculations he could use are:
689 + 95 = 784
95 + 689 = 784

9b. 693 + 249 = 942
The inverse calculations would be:
942 – 249 = 693
942 – 693 = 249

Reflection Time

Circle the odd one out.

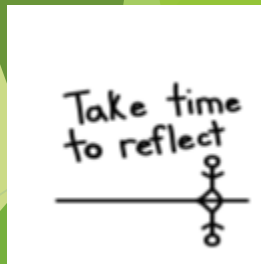
A. 679 – 435 = 244

C. 435 – 244 = 679

B. 244 + 435 = 679

D. 435 + 244 = 679

Explain your reasoning.



Reflection Time - Answers

Circle the odd one out.

A. $679 - 435 = 244$

B. $244 + 435 = 679$

C. $435 - 244 = 679$

D. $435 + 244 = 679$

Explain your reasoning.

C is the odd one out because 435 – 244 = 191. Therefore, this calculation cannot be used to check the others.