## Varied Fluency <br> Step 18: Check Answers

## National Curriculum Objectives:

Mathematics Year 3: (3C3) Estimate the answer to a calculation and use inverse operations to check answers

## Differentiation:

Developing Questions to support checking answers to addition and subtraction calculations using the inverse operation. Using any 2-digit number with no exchanging.
Expected Questions to support checking answers to addition and subtraction calculations using the inverse operation. Using either two 2-digit numbers or two 3 -digit numbers and including some exchanging.
Greater Depth Questions to support checking answers to addition and subtraction calculations using the inverse operation. Using 2 -digit and 3 -digit numbers within the same calculation and with up to two exchanges.

## More Year 3 Addition and Subtraction resources.

Did you like this resource? Don't forget to review it on our website.

1a. Match the calculations to their inverse.

| A. $45-13=32 \quad 1.97-64=33$ | A. $54+32=86 \quad 1.12+53=65$ |
| :---: | :---: |
| B. $82-51=31 \quad$ 2. $51+31=82$ | B. $65-12=53 \quad$ 2. $86-54=32$ |
| C. $64+33=97 \quad 3.69-27=42$ | C. $79-54=25 \quad 3.99-23=76$ |
| D. $42+27=69 \quad$ 4. $32+13=45$ | D. $23+76=99 \quad$ 4. $25+54=79$ |
| 凧 VF | ~0 VF |
| 2a. True or false? The calculation below can be used to check the answer to $35+51=86$. | 2b. True or false? The calculation below can be used to check the answer to $88-24=64$. |
| $86-51=35$ | $64-88=24$ |
|  | 凩 VF |
| 3a. Tick the number sentences which could be used to check the answer to: | 3b. Tick the number sentences which could be used to check the answer to: |
| $77-43=34$ | $58+41=99$ |
| $43+34=77$ | $99-58=41$ |
| $34+77=43$ | $99-41=58$ |
| $34+43=77$ | $58-41=99$ |
| 4a. Chris says, | 4b. Beth says, |
| I am thinking of a number. If I add 56 to my number, I get the answer 78. | I am thinking of a number. If I subtract 43 from my number, I get the answer 12. |
| Which number is he thinking of? | Which number is she thinking of? |
| ~ <br> VF | $\underset{\sim}{0}$ |

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5a. Match the calculations to their inverse.

1. $51+38=89$
B. $89-51=38$
2. $684-431=253$
3. $92-38=54$
4. $458+283=741$
D. $54+38=92$

5b. Match the calculations to their inverse.
A. $384-135=249$

1. $14+29=43$
B. $52+43=95$
2. $928-381=547$
3. $249+135=384$
4. $95-43=52$
6b. True or false? The calculation below can be used to check the answer to $537-351=186$.

## $186+351=537$

7a. Tick the number sentences which could be used to check the answer to:

| $937-525=412$ |  |
| :---: | :---: |
| $525+937=412$ |  |
| $412+525=937$ |  |
| $525+412=937$ |  |

8a. Steve says,
I am thinking of a number. If I add 161 to my number, I get the answer 759.
Which number is he thinking of?

7b. Tick the number sentences which could be used to check the answer to:
$711+154=865$
$865-154=711$

865-711=154
$711-154=865$

8b. Rich says,
I am thinking of a number. If I subtract 64 from my number, I get the answer 19.

Rich
Which number is he thinking of?

9a. Match the calculations to their inverse.

| A. $193+28=221$ | $01.921-567=354$ |
| :--- | :--- |
| B. $567+354=921$ | $2.559+297=856$ |
| C. $856-297=559$ | $0.79+566=645$ |
| D. $645-79=566$ | $4.221-193=28$ |
| (r) |  |
| 10 |  |

10a. True or false? The calculation below can be used to check the answer to 956 $-888=68$.

## 956-68=888

9b. Match the calculations to their inverse.

| A. $542+199=741$ | $1.624-545=79$ |
| :--- | :--- |
| B. $721-87=634$ | $2.741-199=542$ |
| C. $545+79=624$ | $3.567+165=732$ |
|  |  |
| D. $732-567=165$ | $4.634+87=721$ |

10b. True or false? The calculation below can be used to check the answer to 182 $+799=981$.

$$
799-981=182
$$

11b. Tick the number sentences which could be used to check the answer to:

| $\square 8+343=401$ |
| :---: |
| $401-343=58$ |
| $343-58=401$ |
| $401-58=343$ |

12b. Jess says,


Which number is she thinking of?
Which number is she thinking of?

Varied Fluency Check Answers

## Developing

1a. A4; B2; C1; D3
2a. True
3a. $43+34=77$ and $34+43=77$
4a. 22

## Expected

5a. A4; B1; C2; D3
6a. False, the correct calculation is 890 $131=759$.
7a. $412+525=937$ and $525+412=937$
8a. 598

## Greater Depth

9a. A4; B1; C2; D3
10a. True
11a. $475+288=763$ and $763-288=475$
12a. 268

## Developing

1b. A2; B1; C4; D3
2b. False, the correct calculation is $88-62$ $=24$.
3b. $99-58=41$ and $99-41=58$
4b. 55

## Expected

5b. A3; B4; C2; D1
6b. True
7b. $865-154=711$ and $865-711=154$
8b. 83

## Greater Depth

9b. A2; B4; C1; D3
10b. False, the correct calculation is 981 799 = 182.
11b. $401-343=58$ and $401-58=343$
12b. 985

