

Modern Primary Mathematics (Second Edition)

Mixed Operations of Addition and Subtraction

Focus 1 Mixed Operations of Addition and Subtraction 1 168 + 290 - 265 168 +290 168 +290 458 -265 -265 458 -265

Calculate in the order from left to right.



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2C Unit 7 Mixed Operations of Addition and Subtraction

MODERN **Mixed Operations of Addition** Focus 1 and Subtraction 125 + 375 - 64125 64 64

Remember to line C up the digits.

Focus 1 Mixed Operations of Addition MODERN and Subtraction

Consolidation



72
16
88
43
45

Focus 1 Mixed Operations of Addition MODERN and Subtraction

Consolidation

2) = 238 - 21 + 71 = 288

 $\begin{array}{r}
2 3 8 \\
- 21 \\
2 1 7 \\
+ 7 1 \\
2 8 8
\end{array}$

Focus 1 Mixed Operations of Addition MODERN and Subtraction



96 + 108 - 75 = 129

310 - 128 + 219 = |401|

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Focus 1 Mixed Operations of Addition Addition

2 Lawrence has \$150. Tom has \$115. Together they buy a basketball which costs \$200. How much money do they still have?

First, find how much money Lawrence and Tom have altogether. Then, find the amount left after they buy the basketball.

Focus 1 Mixed Operations of Addition Addition and Subtraction

2 Lawrence has \$150. Tom has \$115. Together they buy a basketball which costs \$200. How much money do they still have?

I show the above in one expression.



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Focus 2 Solving Problems

3 In a gift shop, there are 542 key rings. There are 178 more mugs than key rings, and 356 fewer phone cases than mugs. How many phone cases are there in the gift shop?





Focus 2 Solving Problems

Consolidation

(2) A fashion shop has 247 shirts for men and195 shirts for women. There are 279 shirtsare on sale. How many shirts are not on sale?

247 + 195 - 279= 442 - 279 = 163 163 shirts are not on sale.



Focus 2 Solving Problems

Consolidation

3) A pair of football boots costs \$458. A pair of basketball shoes is \$85 cheaper than football boots. A pair of running shoes is \$129 more expensive than basketball shoes. How much does a pair of running shoes cost? 458 458 - 85 + 12985

= 373 + 129

= 502

A pair of running shoes costs \$502.

+129

373



Solve the following problems and show your working.

1 There were 752 people on the train at first. When the train arrived at the station, 240 people got off, and another 169 people got on. How many people are there on the train now?

752 - 240 + 169

= 512 + 169

Exercise 7

= 681

There are 681 people on the train now.

752-240512+169681



Exercise 7

Solve the following problems and show your working.

2 Terry is 172 cm tall, and is 14 cm shorter than Stanley. Alan is 48 cm shorter than Stanley. How tall is Alan in cm?

172 + 14 - 48= 186 - 48 = 138 Alan is 138 cm tall. $\begin{array}{r}
 1 7 2 \\
 + 1 4 \\
 \hline
 1 8 6 \\
 - 4 8 \\
 \hline
 1 3 8
 \end{array}$



14

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Exchanging positions

- 2 a) 543 + 126 43
 - = 543 43 + 126
 - = 500 + 126
 - = 626

Sometimes it is more convenient for calculation if we change the order of calculation.





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Exchanging positions 248 + 156 - 48156 48 00|+|156|248 - 48 = ? • • • 356



16

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Exchanging positions 3 a 20-35+48=?



We cannot subtract 35 from 20. How should we calculate this?

20 - 35 + 48= 20 + 48 - 35= 68 - 35= 33 When a number is too small for subtraction, we may change the order of calculation and do addition first.



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Exchanging positions



Remember to move the number together with the sign before it.



Mixed Operations of Addition MODERN and Subtraction





196 + 467 - 96 = 567

28 - 128 + 300 = |200|

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