Foundation Check In - 1.03 Combining arithmetic operations

**Do not use a calculator for these questions.**

1. Work out .
2. Put brackets into this statement to make it correct.

 

1. Insert +, –, × or ÷ to make the statement correct.

14

2

=

18

25

1. Complete this equation using +, –, × or ÷.

12

+

52

=

4

×

2

2

39

1. Work out .
2. By using just one pair of brackets, the following can be made true.



Show the location of the brackets and give the numeric value of each side of the expression when true.

1. Cara says that 32 + 82 is the same as 112. Explain why she is wrong.
2. Show that .
3. Hari buys 4 pens that cost 80 p each and 6 pencils that cost 15 p less than the pens. How much change does he get from £10?
4. Put the following in order, from smallest to largest.

    

**Extension**

Use all of the numbers 3, 4, 7, 8, 50 and 75 to make an answer of 137.

Answers

1. 19
2. 
3. 
4. 
5. 134
6. 
7. . Cara has worked out  which is 121.
8.  and 
9. Cost of pens , cost of pencils 

 change.

1.    

**Extension**

Here are some possible solutions.







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| **Assessment Objective** | **Qu.** | **Topic** | **R** | **A** | **G** |  | **Assessment Objective** | **Qu.** | **Topic** | **R** | **A** | **G** |
| AO1 | 1 | Use the correct order of operations |  |  |  |  | AO1 | 1 | Use the correct order of operations |  |  |  |
| AO1 | 2 | Insert brackets to make a calculation correct |  |  |  |  | AO1 | 2 | Insert brackets to make a calculation correct |  |  |  |
| AO1 | 3 | Complete a calculation by choosing the correct operation |  |  |  |  | AO1 | 3 | Complete a calculation by choosing the correct operation |  |  |  |
| AO1 | 4 | Choose the correct operations to complete a number statement |  |  |  |  | AO1 | 4 | Choose the correct operations to complete a number statement |  |  |  |
| AO1 | 5 | Use the correct order of operations |  |  |  |  | AO1 | 5 | Use the correct order of operations |  |  |  |
| AO2 | 6 | Insert brackets to make an expression correct |  |  |  |  | AO2 | 6 | Insert brackets to make an expression correct |  |  |  |
| AO2 | 7 | Explain the correct order in which to carry out a calculation involving indices |  |  |  |  | AO2 | 7 | Explain the correct order in which to carry out a calculation involving indices |  |  |  |
| AO2 | 8 | Use the correct order of operations to evaluate and compare two calculations |  |  |  |  | AO2 | 8 | Use the correct order of operations to evaluate and compare two calculations |  |  |  |
| AO3 | 9 | Solve a word problem by carrying out the steps in the correct order |  |  |  |  | AO3 | 9 | Solve a word problem by carrying out the steps in the correct order |  |  |  |
| AO3 | 10 | Solve multi-step calculations and then put the answers in order of size |  |  |  |  | AO3 | 10 | Solve multi-step calculations and then put the answers in order of size |  |  |  |
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