

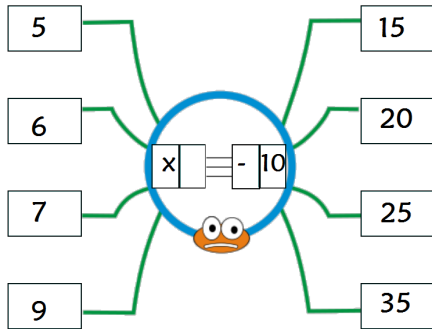


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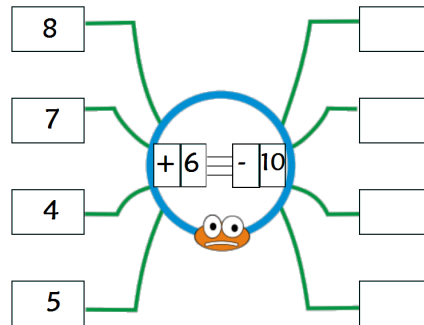
Input and output values

1. Complete the flow diagram.

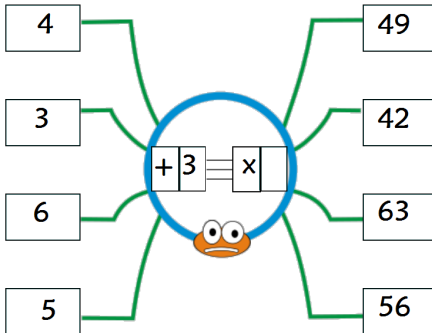
(a)



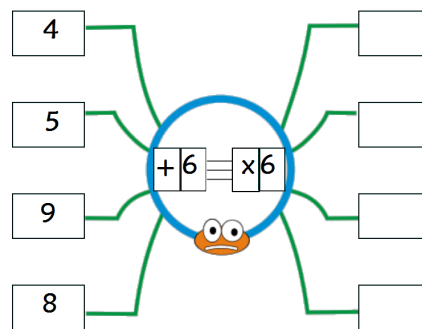
(b)



(c)

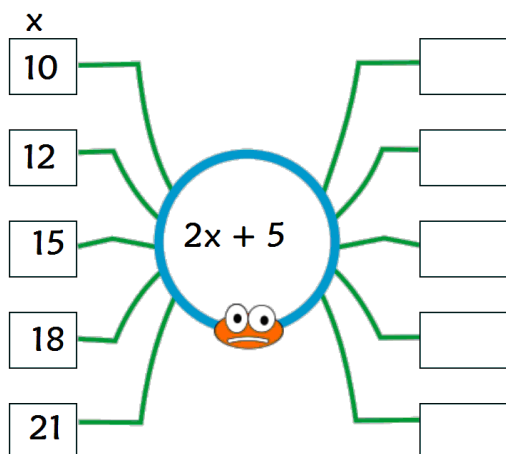


(d)

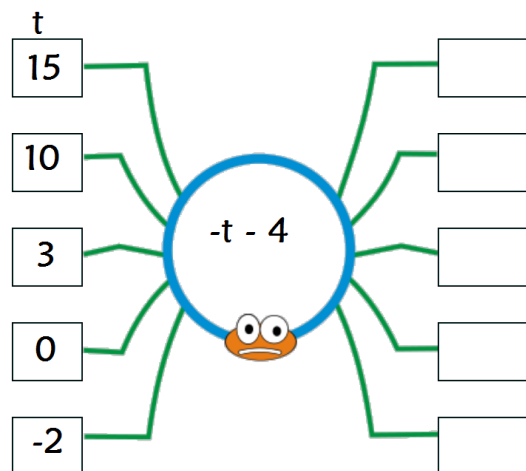


2. Add and subtract using variables.

(a)



(b)





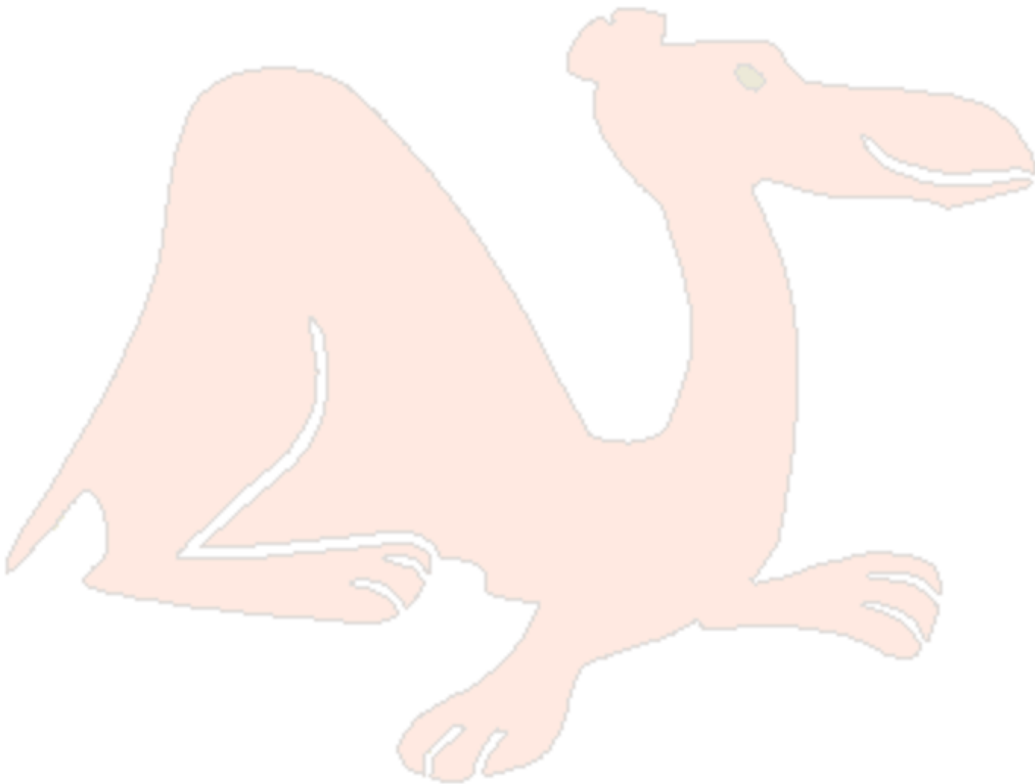
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3. Determine the next number in the sequence.

- (a) 23 ; 32 ; 41 ; 50 ; ...
- (b) 33 ; 25 ; 17 ; 9 ;
- (c) 47 ; 53 ; 59 ; 65 ;
- (d) 16 ; 9 ; 2 ; -5 ;

4. Complete the number pattern.

- (a) 2 ; 12 ; 72 ; 432 ; ; ;
- (b) 31 250 ; 6 250 ; 1 250 ; 250 ; ... ; ... ; ...
- (c) 2 ; ... ; 18 ; ... ; 162 ; 486 ; ...
- (d) 8 192 ; ... ; ... ; ... ; 32 ; 8 ; 2



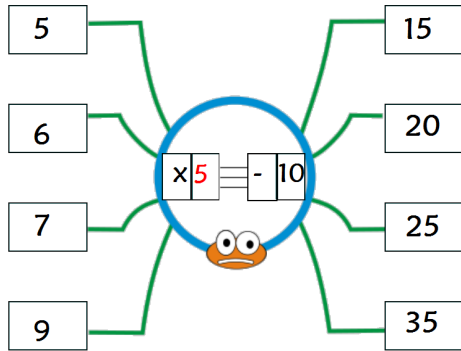


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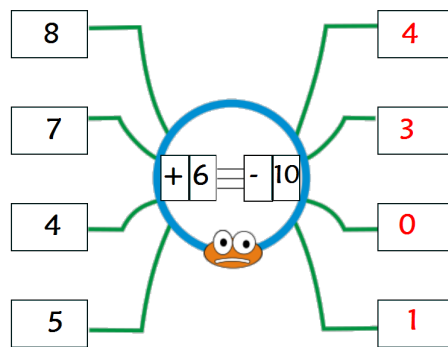
MEMO

1. Flow diagrams. [3.2.5.1]

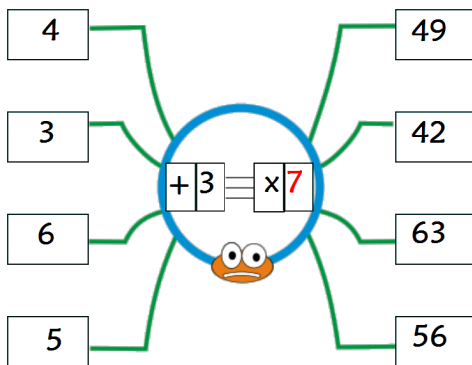
(a)



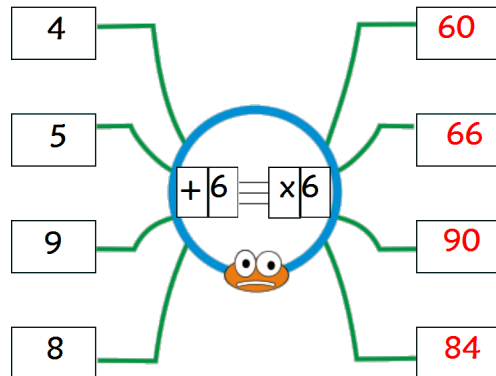
(b)



(c)

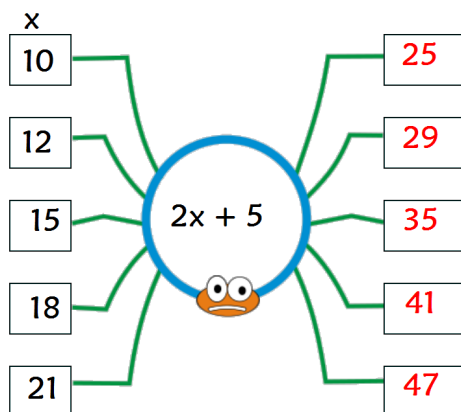


(d)

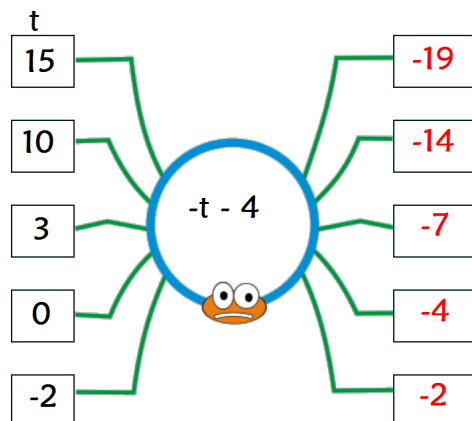


2. Add and subtract using variables. [3.2.6.3]

(a)



(b)





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3. Determine the next number in the sequence. [4.1.4.1]

- (a) 59 (Constant difference = 9)
- (b) 1 (Constant difference = -8)
- (c) 71 (Constant difference = 6)
- (d) -7 (Constant difference = -7)

4. Complete the number pattern. [4.1.2.6]

- (a) 2 ; 12 ; 72 ; 432 ; 2 592 ; 15 552 ; 93 312 (Constant ratio $\times 6$)
- (b) 31 250 ; 6 250 ; 1 250 ; 250 ; 50 ; 10 ; 2 (Constant ratio $\div 5$)
- (c) 2 ; 6 ; 18 ; 54 ; 162 ; 486 ; 1 458 (Constant ratio $\times 3$)
- (d) 8 192 ; 2 048 ; 512 ; 128 ; 32 ; 8 ; 2 (Constant ratio $\div 4$)

