



<http://topdrawer.aamt.edu.au/Mental-computation/Good-teaching/Combined-operations/Mixing-operations>

## Types of combined operations problems

	First Operation				
	Addition	Subtraction	Multiplication	Division	
Second Operation	Addition	Heath has \$48 at the start of the day. He earns \$24 washing cars then \$16 stacking firewood. How much money does he have at the end of the day?	Mary has \$63 at the start of the day. She spends \$25 on a DVD then earns \$36 baby-sitting. How much money does she have at the end of the day?	Taylor buys five pairs of shorts at \$18 each and six T-shirts at \$16 each. How much does she pay altogether?	Jim works in a team of four in the morning that earns a total of \$120. In the afternoon he works in a team of three that earns \$120. Each team splits the money equally. How much does Jim earn altogether?
	Subtraction	John has \$56 in his bank account. He deposits \$47 then spends \$58 at the supermarket using eftpos. How much money is left in his account?	Zoe has \$81 in her bank account. She spends \$37 at the supermarket using eftpos then deposits \$29 when she gets paid. How much money is in her account now?	Felicity buys eight boxes of fireworks at \$24 a box. She notices that five boxes are old stock and she should get \$6 discount off each box. How much should she pay?	Six people equally share a prize of \$354. Three people equally share a prize of \$354. How much more does each person get in the three group than the six group?
	Multiplication	A football scarf costs \$25. The football cap costs another \$18 if you buy them together. How much does it cost to buy eight sets of cap and scarf?	Boxes of chocolates normally cost \$17 each. Today there is \$5 off each box. What is the cost of buying 12 boxes today?	A group of six people is paid for 7 days work. Each person is paid \$150 each day. How much are they paid altogether?	A group of six people earns a total of \$900 each day. They work for five days. What is each person's equal share of the pay?
	Division	A group of three people earns a total of \$450 for painting a fence and another \$270 digging a garden. If they share the money equally how much does each person get?	A group of four people makes a total of \$840 painting a house. The cost of paint and brushes is \$360 and is taken off to get the profit. How much is each person's equal share of the profit?	Four friends buy eight watermelons that cost \$3.00 each. They share the cost equally. How much does each friend pay?	Tom put his \$600 holiday spending money into five equal piles so he knows how much he can spend each day. He then divides each pile in half for morning and afternoon. How much money is in each little pile?

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