Year 5 Maths Addition and Subtraction Workbook

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Addition with 5 Digit Numbers

1.

$$\begin{array}{r} 56833 \\ +\ 44105 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 68640 \\ +\ 28360 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 92195 \\ +\ 17742 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 28446 \\ +\ 55824 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 68586 \\ +\ 75019 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 94929 \\ +\ 68567 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} 84658 \\ +\ 85858 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 71778 \\ +\ 88411 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 34522 \\ +\ 45861 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 99394 \\ +\ 46453 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 98584 \\ +\ 52426 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 16373 \\ +\ 26611 \\ \hline \\ \hline \end{array}$$

Subtraction with 5 Digit Numbers

1.

$$\begin{array}{r} 74321 \\ -\ 13934 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 52413 \\ -\ 23120 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 85232 \\ -\ 71401 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 32653 \\ -\ 18341 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 53145 \\ -\ 32612 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 46581 \\ -\ 13623 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} 85913 \\ -\ 33575 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 29314 \\ -\ 13023 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 25521 \\ -\ 12014 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 91789 \\ -\ 58816 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 73471 \\ -\ 64342 \\ \hline \\ \hline \end{array}$$

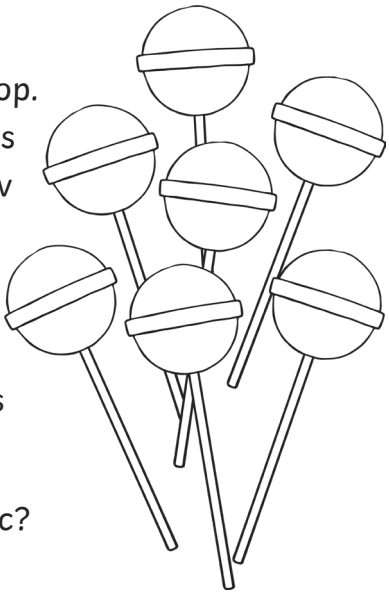
12.

$$\begin{array}{r} 76743 \\ -\ 62102 \\ \hline \\ \hline \end{array}$$

Mental Maths Adding

Read the problems and answer them in your head.

1. Add together 40c, 70c and 30c.
2. What is the total of 15, 19 and 23?
3. Lauren was given some money for her birthday. Her brother gave her $2.50, her sister gave her $1.00 and her grandma gave her $4.50. How much money did she get in total?
4. Abdul collects 68 footy cards and then is given 34 more. How many does he have in total?
5. Mia has 2 bags of marbles. One bag has 13 red marbles and the other has 24 blue marbles. How many marbles does she have in total?
6. What is the sum of 38, 20 and 87?
7. Summer buys 3 lollies at the shop. The first costs 65c, the second costs 55c, and the last costs 70c. How much did she spend in total?
8. A teacher gives out 16 pencils on Monday, 22 on Tuesday and 29 on Thursday. How many pencils did he give out in total?
9. How much is 85c plus 45c plus 40c?



10. Three fruit trees were delivered to a nursery. They weighed 18kg, 35kg and 27kg. How much did they weigh in total?

11. Hannah has $2.55 and Max has $1.35. How much do they have in total?

12. Jenny runs for 146 seconds and Ali runs for 123 seconds. What was the total time they ran for?

13. A shop has 78 ripe bananas and 22 brown ones. How many are there altogether?

14. What is the total when 72 is added to 38?

15. Oliver finds 75c on his way to school and 15c on his way home. How much did he find altogether?

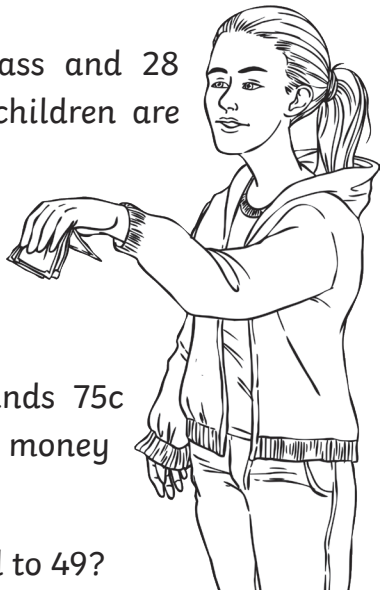
16. Lily collects 24 different leaves from around her neighbourhood. Her friend gives her 16 more. How many does she have altogether?

17. There are 32 children in one class and 28 children in another. How many children are there altogether?

18. Scott has 35c and Tom has 85c. What is the total amount the two boys have?

19. Ashley has 65c saved up. She finds 75c under her bed, now how much money has she got?

20. What is the total when 34 is added to 49?



Subtracting Multiples of 1000

1. 6438 - 3000 =
2. 3049 - 2000 =
3. 9823 - 5000 =
4. 6234 - 4000 =
5. 7905 - 6000 =
6. 4369 - 2000 =
7. 6099 - 3000 =
8. 2997 - 2000 =
9. 7804 - 6000 =
10. 9993 - 5000 =
11. 8661 - 8000 =
12. 6880 - 5000 =
13. 4820 - 2000 =
14. 6713 - 4000 =
15. 9778 - 9000=
16. 11052 - 5000 =
17. 17993 - 7000 =
18. 55702 - 6000=
19. 89362 - 3000 =
20. 203905 - 4000 =
21. 194641 - 9000 =
22. 501785 - 3000 =
23. 73043 - 3000 =
24. 604234 - 4000 =
25. 70382 - 5000 =
26. 652802 - 6000 =
27. 91863 - 7000 =
28. 600788 - 9000 =
29. 80861 - 7000 =
30. 1000000 - 10000 =

Challenge

Can you subtract 2002, 3030, 4400 or other multiples of 1001, 1,010 or 1100 from some of the questions?
What about multiples of 10000?

Adding Multiples of 1000

1. 2358 + 2000 =
2. 4829 + 3000 =
3. 8083 + 4000 =
4. 3850 + 5000 =
5. 7862 + 3000 =
6. 3409 + 4000 =
7. 6749 + 2000 =
8. 5597 + 4000 =
9. 1006 + 8000 =
10. 385 + 7000 =
11. 8763 + 2000 =
12. 9015 + 3000 =
13. 6530 + 3000 =
14. 1165 + 8000 =
15. 4708 + 4000 =
16. 11666 + 8000 =
17. 13647 + 5000 =
18. 28902 + 9000 =
19. 29023 + 4000 =
20. 300456 + 6000 =
21. 156982 + 4000 =
22. 289505 + 8000 =
23. 56903 + 9000 =
24. 707034 + 3000 =
25. 38892 + 7000 =
26. 579902 + 8000 =
27. 79672 + 6000 =
28. 399084 + 7000 =
29. 60271 + 4000 =
30. 996000 + 6000 =

Challenge

Can you add 2002, 3030, 4400 or other multiples of 1001, 1010 or 1100 from some of the questions?
What about multiples of 10000?

Mental Calculations Challenge

Look at the varied addition and subtraction calculations below and work your way through them. See how many points you can score. You could play against others or set yourself a time limit.

Scoring System

Score 2 points for every correct answer achieved after using a written method of calculation.

Score 0 points for any incorrect answer achieved after using a written method of calculation.

Score 3 points for every correct answer achieved after a mental calculation.

Score 1 point for each incorrect answer achieved after using a mental calculation.

1.

68 + 45 + 17 =

2.

68 + 45 + 17 =

3.

78 - 53 =

4.

42 + 43 + 44 =

5.

9999 + 3 =

6.

456 - 111 =

7.

0.73 + 0.37 =

8.

100 - 0.1 =

9.

28.2 + 99 =

10.

134 + 375 =

11.

4586 - 1471 =

12.

47001 - 59 =

13.

53 - 27 =

14.

100000 - 10000 =

15.

5362 + 99 =

16.

408 - 19 =

Spend Your Lottery Winnings!

Congratulations! – You have won $1000000 on the lottery. Which of the following items will you buy and how much will you have left? How close can you get to spending everything? You can buy more than one of each thing!

Fast Car
$49995

House
$459356

Giant TV
$2876

Round the World Cruise
$24328

Sailing Boat
$119345

Exotic Pet
$19875

New Wardrobe of Clothes
$16291

Diamond Ring
$11853

Donation to Charity
$25000

Personal Assistant for 10 Years
$212592

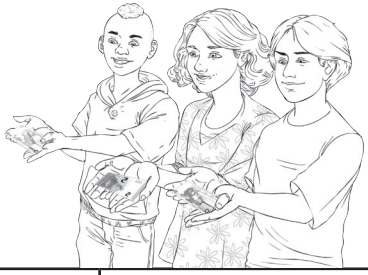
Household Robot
$37649

Gaming Console
$376

Use this space to record your shopping list and working out. Then fill out the total you have remaining at the bottom.

Choose just one of these investment schemes below to invest your remaining money into and see what you can build it back up to in ten years. Use the grid to work out how your savings progress!

Money remaining:

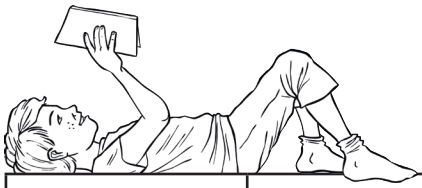


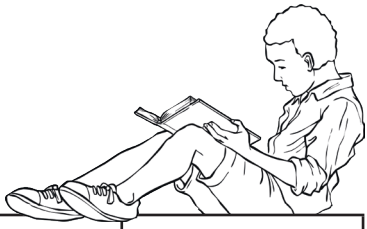
Property Investment Your money doubles every 2 and a half years.	**High Risk Investment** Toss a coin for the end of each of the 10 years – if it is heads, double your money. If it is tails, lose half of it.	**Savings Account** Earn 5% each year in interest.
Start a Business Choose how much to invest and then roll a dice. 1 = double your investment 2 = lose it all 3 = triple your investment 4 = get your money back 5 = get half your money back 6 = get your money back + 50%	**Stock Market Investment** For 5 years earn nothing, for the other 5 years earn 10%. This can happen in any order you like!	**Hide Your Money Under Your Mattress** Amount doesn't change!

Rounding in Context

Calculate the answers to these word problems. Can you suggest what a reasonable rounded answer would be and why?

Question
e.g. If Jess wants to buy a tablet that costs $112 and she has 27 weeks to save up for it, how much should she save per week?
1. Finn wants to make a rope bridge in his garden. He has calculated that he will need 6 pieces of rope that are 1.23m long. If the shop sells rope by the metre, how much will he need to buy?
2. There are 137 students going to on a trip to the zoo and each minibus they are travelling on can seat 13 passengers. How many minibuses will need to be booked?
3. Max is reading a book which is 449 pages long. If he reads 17 pages a night before he falls asleep, how long will it take him to finish the book?
4. Olivia's family is taking a road trip from Melbourne to Sydney (878.4km) and then continuing from Sydney to Brisbane (915.6km). How far will they be travelling?
5. David's dad wanted to buy him new carpet for his bedroom. First, they measured the room and found that it was 3.25m long and 2.96m wide. Then he contacted a shop who told him that carpet was sold in square metres (m^2). How many square metres of carpet do they need?
6. Chris' family are moving house and spend 2 hours 44 minutes and 15 seconds packing boxes before having lunch. After lunch they get back to it and spend another 3 hours 12 minutes and 44 seconds packing. How long might they say it took to pack their things if asked?





Calculation	Units	Rounded Answer	Reasoning
112 ÷ 27 = 4.14811481	Dollars and cents	$4.15	This rounding represents a money value that you can make with coins.
1.			
2.			
3.			
4.			
5.			
6.			

Multi-Step Addition and Subtraction Problems

No.	Question	Calculation Required (Do brackets first!)
e.g.	The stadium has 25000 seats. 11348 adults and 2767 children come to see the game. How many empty seats are there?	25000 - (11348 +2767) =
1.	Dorothy's family are saving money for a holiday that costs $1845. If they have already saved $490 and then raise $146 from a garage sale, how much more do they need to save?	
2.	A study of 32164 people found that 25412 were right handed, 3849 were left handed and the remainder were ambidextrous (could use either hand). How many were ambidextrous?	
3.	The crisp factory needs to make 85000 bags an hour. If a machine breaks down and the factory only makes 47233 bags in one hour, how many does it need to make in the next hour to catch up?	
4.	Dave earns $19385 as a bus driver and his wife Christine earns $28460 as a teacher. If Dave gets a pay rise of $217 a month, how much less than his wife does he earn?	
5.	If Cleopatra was born in 69 BC and lived to be 39 years old – how many years ago did she die?	

Method	Answer
	10885

Year 5 Maths Addition and Subtraction **Answer Booklet**

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Addition with 5 Digit Numbers **Answers**

Question	Answer
1.	**100938**
2.	**97000**
3.	**109937**
4.	**84270**
5.	**143605**
6.	**163496**
7.	**170516**
8.	**160189**
9.	**80383**
10.	**145847**
11.	**151010**
12.	**42984**

Subtraction with 5 Digit Numbers **Answers**

Question	Answer
1.	**60387**
2.	**29293**
3.	**13831**
4.	**14312**
5.	**20533**
6.	**32958**
7.	**52338**
8.	**16291**
9.	**13507**
10.	**32973**
11.	**9129**
12.	**14641**

Mental Maths Adding **Answers**

Question	Answer
1.	**$1.40**
2.	**57**
3.	**$8.00**
4.	**102**
5.	**37**
6.	**145**
7.	**$1.90**
8.	**67**
9.	**$1.70**
10.	**80kg**
11.	**$3.90**
12.	**4 minutes 29 seconds**
13.	**100**
14.	**110**
15.	**90c**
16.	**40**
17.	**60**
18.	**$1.20**
19.	**$1.40**
20.	**83**

Subtracting Multiples of 1000 **Answers**

Question	Answer
1.	**3438**
2.	**1049**
3.	**4823**
4.	**2234**
5.	**1905**
6.	**2369**
7.	**3099**
8.	**997**
9.	**1804**
10.	**4993**
11.	**661**
12.	**1880**
13.	**2820**
14.	**2713**
15.	**778**

Question	Answer
16.	**6052**
17.	**10993**
18.	**49702**
19.	**86362**
20.	**199905**
21.	**185641**
22.	**498785**
23.	**70043**
24.	**600234**
25.	**65382**
26.	**646802**
27.	**84863**
28.	**591788**
29.	**73261**
30.	**990000**

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Adding Multiples of 1000 **Answers**

Question	Answer
1.	**4358**
2.	**7829**
3.	**12083**
4.	**8850**
5.	**10862**
6.	**7409**
7.	**8749**
8.	**9597**
9.	**9006**
10.	**7385**
11.	**10763**
12.	**12015**
13.	**9530**
14.	**9165**
15.	**8708**

Question	Answer
16.	**19666**
17.	**18647**
18.	**37902**
19.	**33023**
20.	**306456**
21.	**160982**
22.	**297505**
23.	**65903**
24.	**710034**
25.	**45892**
26.	**587902**
27.	**85672**
28.	**406084**
29.	**64271**
30.	**1002000**

Mental Calculations Challenge **Answers**

Question	Answer
1.	**130**
2.	**20.74**
3.	**25**
4.	**129**
5.	**10002**
6.	**345**
7.	**1.1**
8.	**99.9**
9.	**127.2**
10.	**509**
11.	**3115**
12.	**46942**
13.	**-26**
14.	**90000**
15.	**5461**
16.	**389**

Rounding in Context **Answers**

No.	Calculation	Units	Rounded Answer
1.	1.23 × 6 = 7.38	**Metres**	**8 metres**
2.	137 ÷ 13 = 10.538461	**Buses**	**11 buses**
3.	449 ÷ 17 = 26.4117647	**Nights reading**	**27**
4.	878.4 + 915.6 = 1794km	**Kilometres**	**1800**
5.	3.25 × 2.96 = 9.62m^2	**Square metres**	**10**
6.	2h 44m 15s + 3h 12m 44s = 5h 56m 59s	**Hours** **Minutes** **Seconds**	**6 hours**

Rounding in Context **Answers**

No.	Reasoning
1.	**As the shop sells by a metre, if Finn buys 7 metres, he will not have enough to complete the bridge.**
2.	**If 10 buses are booked, some students will be left behind.**
3.	**The answer needs to be rounded up so Max can finish his book.**
4.	**Here it is appropriate to round to the nearest 100km to give an approximate distance as well as an estimate for fuel and time driving.**
5.	**We need to round up here to make sure the whole room is covered.**
6.	**The answer here is rounded to the nearest hour because anyone asking would probably not be interested in the exact minutes and seconds they took and would be more after a right idea of the time spent.**

Multi-Step Addition and Subtraction **Answers**

No.	Calculation	Answer
1.	1845 - (490 + 146)	**$1209**
2.	32164 - (25412 + 3849)	**2903 people**
3.	(85000 - 47233) + 85000	**122767 bags**
4.	28460 - (19385 + 217)	**$8858**
5.	69 BC + 39 = 30 BC - 30 + ? = 2015 (Answer depends on current year - 2015 has been used for this answer)	**2045 years ago**