Y5/6 Addition and subtraction Unit 1 (56150)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y5 On board practice Sheet 1
Working towards ARE / Working at ARE / Greater Depth
Working towards ARE do the first 8 questions and use expanded addition if necessary.
Working at ARE use compact column addition to work out as many answers as they can starting at question 5.

Day 1 Y6 Adding 5-digit numbers Sheet 2
Working towards ARE / Working at ARE / Greater Depth
Greater Depth complete the Challenge.

Day 2 Y5 Adding 4-digit numbers Sheet 1
Working towards ARE

Day 2 Y5 Adding 5-digit numbers Sheet 2
Working at ARE / Greater Depth

Day 2 Y6 Adding 5-digit numbers Sheet 3
Working towards ARE / Working at ARE / Greater Depth
Working towards ARE start with 1) and do as many as they can.
Working at ARE / Greater Depth start at 2) and do as many as they can.

On board practice

Sheet 1

1. 2357 + 1428	2. 4374 + 2183	3. 5643 + 2942	4. 3750 + 2834
5. 7543 + 3251	6. 4638 + 2709	7. 2378 + 4284	8. 8328 + 4127
9. 6753 + 3842	10. 2756 + 3784	11. 4278 + 3746	12. 8657 + 5846

Write three additions with totals between 7000 and 8000. All digits must be different.

Adding 5-digit numbers

Sheet 2

1. 45,248 + 32,517
2. 52,382 + 24,045
3. 63,521 + 23,934
4. 38,413 + 27,305
5. 73,278 + 20,001
6. 45,379 + 23,365
7. 39,241 + 26,382
8. 45,382 + 23,618
9. 35,684 + 37,947
10. 56,937 + 24,285

Challenge

Find two numbers with a total of more than 80,000. 4☐,☐☐☐ + 3☐,☐☐☐. No zeros allowed!

Adding 4-digit numbers

Sheet 1

Before you start, which of these additions do you think will have the smallest answer?
Which do you think will have the biggest answer?
Which do you think will have an answer between 5000 and 6000?

1. 4327 + 2348
2. 3285 + 2143
3. 6821 + 2734
4. 4276 + 1365
5. 5923 + 2544
6. 3842 + 2939
7. 4578 + 2734
8. 7246 + 5196

Adding 5-digit numbers

Sheet 2

Find the total number of website hits on each day.

Day of the week	am	pm	Total number of hits
Sunday	36,432	57,478	
Monday	19,758	24,642	
Tuesday	21,427	32,846	
Wednesday	16,375	25,342	
Thursday	18,631	26,492	
Friday	17,563	42,869	
Saturday	33,642	58,567	

Adding 5 digit numbers

Sheet 3

	1. Start here	2. Sum more...	3. Carry on!	4. Mixed bag
a)	10,264 + 24,731 _____	16,181 + 34,343 _____	64,528 + 12,713 _____	13,526 + 42,371 _____
b)	13,356 + 42,731 _____	12,345 + 65,438 _____	48,145 + 37,025 _____	90,178 + 91,970 _____
c)	20,281 + 49,645 _____	37,973 + 62,076 _____	35,670 + 64,941 _____	78,462 + 65,163 _____

Challenge

Use digits 2, 3 and 4 to create a 5-digit number. Re-arrange the digits to make another 5-digit number. Add the two numbers. Can you get a total of 77,765?

Addition and subtraction

Answers

Day 1 Y5 On board practice Sheet 1

1. 2357 + 1428 = 3785
2. 4374 + 2183 = 6557
3. 5643 + 2942 = 8585
4. 3750 + 2834 = 6584
5. 7543 + 3251 = 10,794
6. 4638 + 2709 = 7347
7. 2378 + 4284 = 6662
8. 8328 + 4127 = 12,455
9. 6753 + 3842 = 10,595
10. 2756 + 3784 = 6540
11. 4278 + 3746 = 8024
12. 8657 + 5846 = 14,503

Day 1 Y6 Adding 5-digit numbers Sheet 2

1. 45,248 + 32,517 = 77,765
2. 52,382 + 24,045 = 76,427
3. 63,521 + 23,934 = 87,455
4. 38,413 + 27,305 = 65,718
5. 73,278 + 20,001 = 93,279
6. 45,379 + 23,365 = 68,744
7. 39,241 + 26,382 = 65,623
8. 45,382 + 23,618 = 69,000
9. 35,684 + 37,947 = 73,631
10. 56,937 + 24,285 = 81,222

Challenge

Find two numbers with a total of more than 80,000.
4□,□□□ + 3□,□□□. No zeros allowed!
e.g. 42,875 + 37,185 = 80,060

Day 2 Y5 Adding 4-digit numbers Sheet 1

1. 4327 + 2348 = 6675
2. 3285 + 2143 = 5428
3. 6821 + 2734 = 9555
4. 4276 + 1365 = 5641
5. 5923 + 2544 = 8467
6. 3842 + 2939 = 6781
7. 4578 + 2734 = 7312
8. 7246 + 5196 = 12,442

Addition and subtraction

Answers

Day 2 Y5 Adding 5-digit numbers Sheet 2

Sunday	36,432 + 57,478 =	93,910
Monday	19,758 + 24,642 =	44,400
Tuesday	21,427 + 32,846 =	54,273
Wednesday	16,375 + 25,342 =	41,717
Thursday	18,631 + 26,492 =	45,123
Friday	17,563 + 42,869 =	60,432
Saturday	33,642 + 58,567 =	92,209

Day 2 Y6 Adding 5 digit numbers Sheet 3

	1. Start here	**2. Sum more...**	**3. Carry on!**	**4. Mixed bag**
a)	10,264 + 24,731 = 34,995	16,181 + 34,343 = 50,524	64,528 + 12,713 = 77,241	13,526 + 42,371 = 55,897
b)	13,356 + 42,731 = 56,087	12,345 + 65,438 = 77,783	48,145 + 37,025 = 85,170	90,178 + 91,970 = 182,148
c)	20,281 + 49,645 = 69,926	37,973 + 62,076 = 100,049	35,670 + 64,941 = 100,611	78,462 + 65,163 = 143,625

Challenge

Use digits 2, 3 and 4 to create a 5-digit number. Re-arrange the digits to make another 5-digit number. Add the two numbers. Can you get a total of 77,765?

e.g. 34,442 + 43,323 = 77,765 44,323 + 33,442 = 77,765