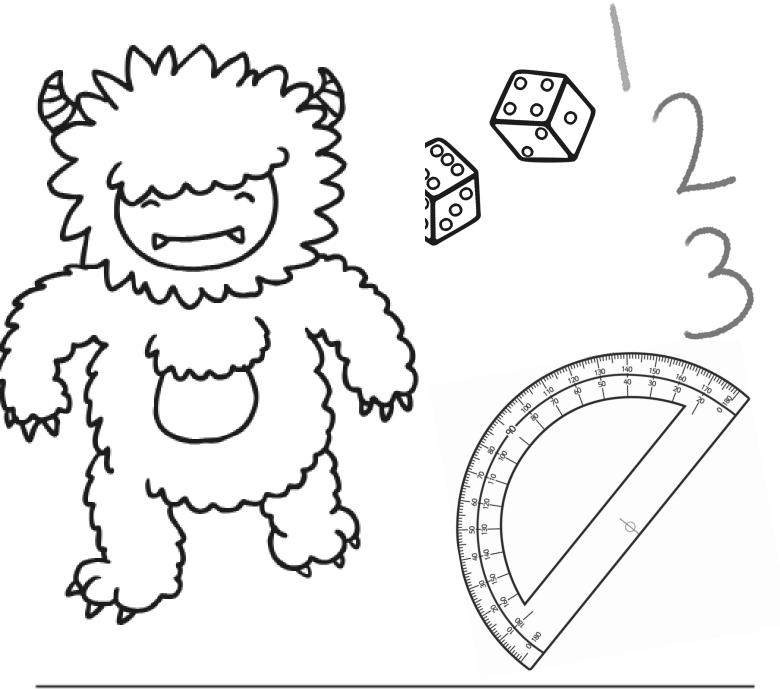
Year 3 Maths Number and Place Value Workbook





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Home Learning Year 3 Maths Workbook Pack

Year 3 Programme of Study – Number and Place Value

Statutory Requirements	Worksheet	Page Number	vNotes
Count from 0 in multiples of 4, 8,	Counting in 4s, 8s, 50s and 100s worksheet.		
50 and 100; find 10 or 100 more	10 More 10 Less Worksheet	3 - 8	
or less than a given number	100 More 100 Less Robots Activity Sheets 1, 2 and 3		
Recognise the place value of each digit in a three-digit number	Maths Magician Partitioning Worksheet Hundreds, Tens and Units	9 - 12	
(hundreds, tens, ones)	Hundreds and Ones Number Partitioning Worksheet		
Compare and order numbers up to 1000	Ordering Numbers to 1000 Worksheet 1 and 2	13 - 14	
	Estimate Addition Calculations Worksheet		
	Estimate Subtraction Calculation Worksheet		
Identify, represent and estimate	Estimate Money Calculations Worksheet	15 20	
numbers using different representations	Representing Numbers Using Base	15 - 20	
	Estimate on 0-1000 Number Line Worksheet		
	Estimate on Different Number Lines Worksheet		
Read and write numbers up to 1000 in numerals and in words	Writing Numbers in Words	21 – 23	
	Estimation Reading		
Solve number problems and practical problems involving these	Speedometers	24 - 27	
ideas.	Solving Number Problems Using Number Representation		

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Counting in 4s, 8s, 50s and 100s

Complete the following sequences:

a) ___ 8 12 16 20 ___

f) ___ 64 56 ___ 40 32

b) 64 56 ___ 40 ___ 24

g) 350 400 ____ 500 ____ 600

c) ____ 100 150 200 ____ 300

h) 1100 ____ 800 700 600

d) 900 ____ 600 500 400

i) ____ 84 80 76 72

e) 56 ____ 64 68 ____ 76

j) 80 88 ___ 112 120

Continue the following sequences:

k) 4 8 12 ___ __ __ __ __ __ __ __ __ __ __ __

o) 80 84 88 ___ __ __ __ __ ___ ___ ___ ___



Challenge

Explain the relationship between counting in 4s and 8s and compare this to the relationship between counting in 50s and 100s.

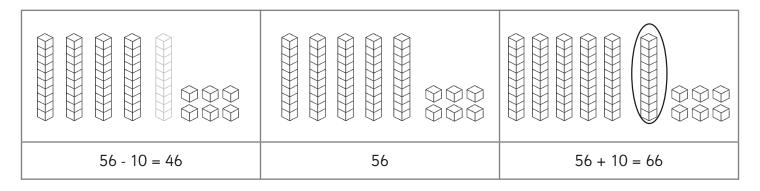
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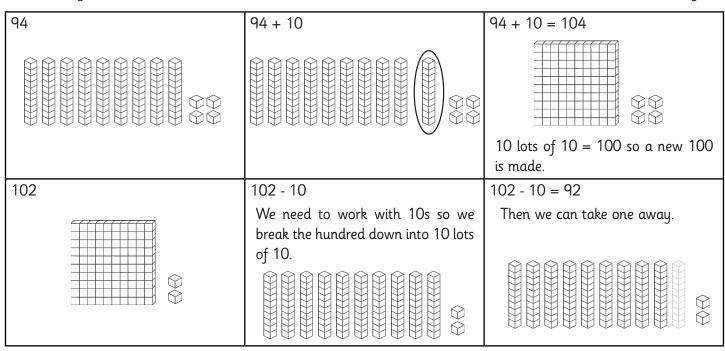
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10 More and 10 Less Worksheet

Adding or subtracting 10 can be done by representing or imagining a number as hundreds, tens and units and simply adding or removing one of the tens e.g.



Sometimes you will make a new hundred or need to break a hundred down into tens to be able to do this. e.g.



1. Try these. Draw the hundreds, tens and units if you wish.

- 1. 43 10 =
- 2.27 + 10 =
- 3.59 10 =
- 4.38 + 10 =
- 5.97 + 10 =
- 6. 107 10 =
- 7.153 + 10 =
- 8.195 + 10 =

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1. Can you fill in the missing numbers in these pieces snipped from number squares? Don't forget you can have number squares that are bigger than 0-100

1. 36 45 46

2.

3.6264

4.

5.

6.

146

204

2. Look at the amounts these children have saved. How much would they have if they spent £10 or if they saved £10 more?

1.			
	- £10	£37	+ £10

2.		
	£13	

3.		
	£48	

4		
	£93	

5.		
	£109	

6.		
	£131	

7		
	£10	

8.		
	£198	

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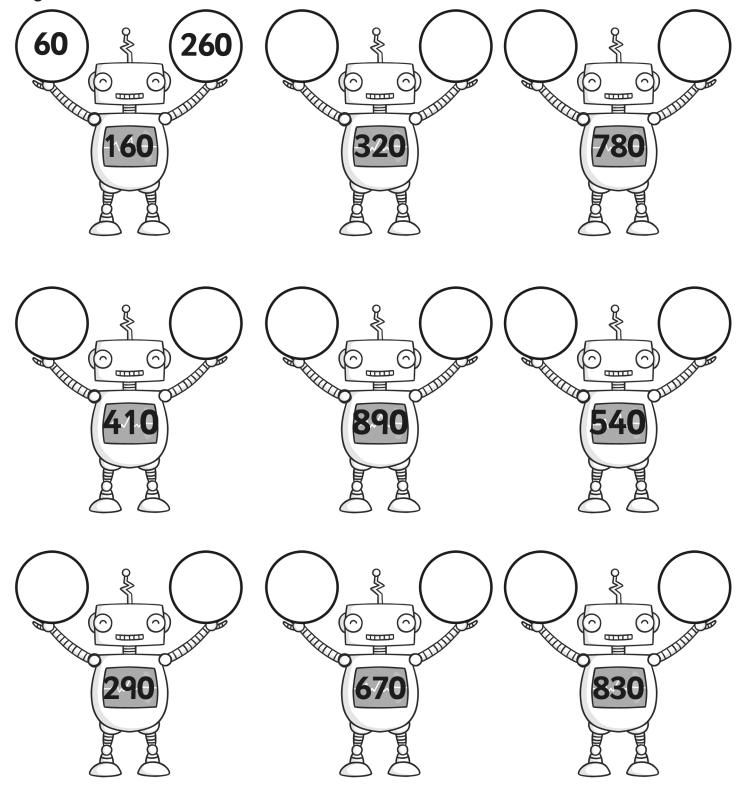


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100 More 100 Less Worksheet 1

Can you find 100 more than and 100 less than the number in the robot's tummy?

E.g.





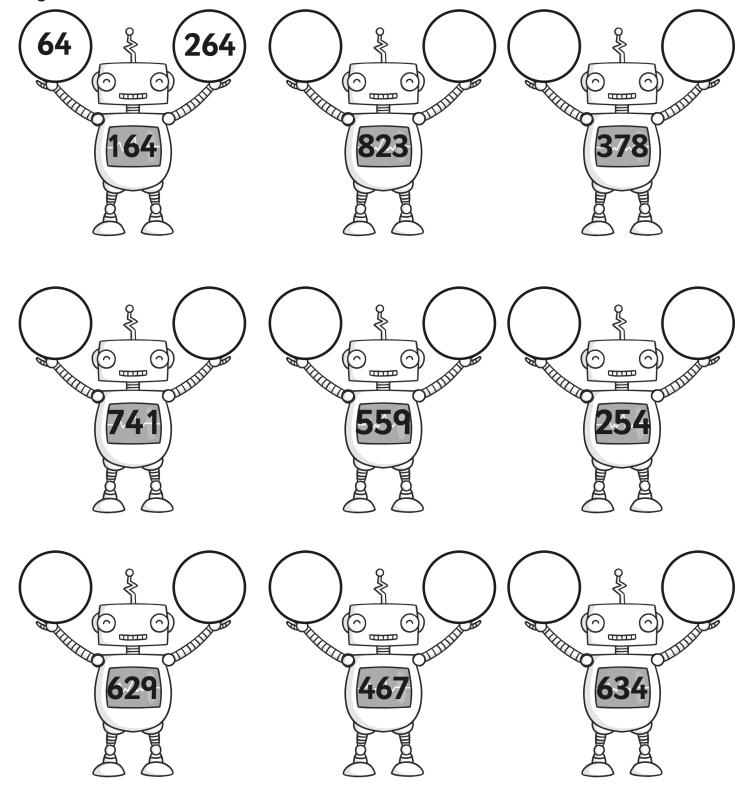
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100 More 100 Less Worksheet 2

Can you find 100 more than and 100 less than the number in the robot's tummy?

E.g.





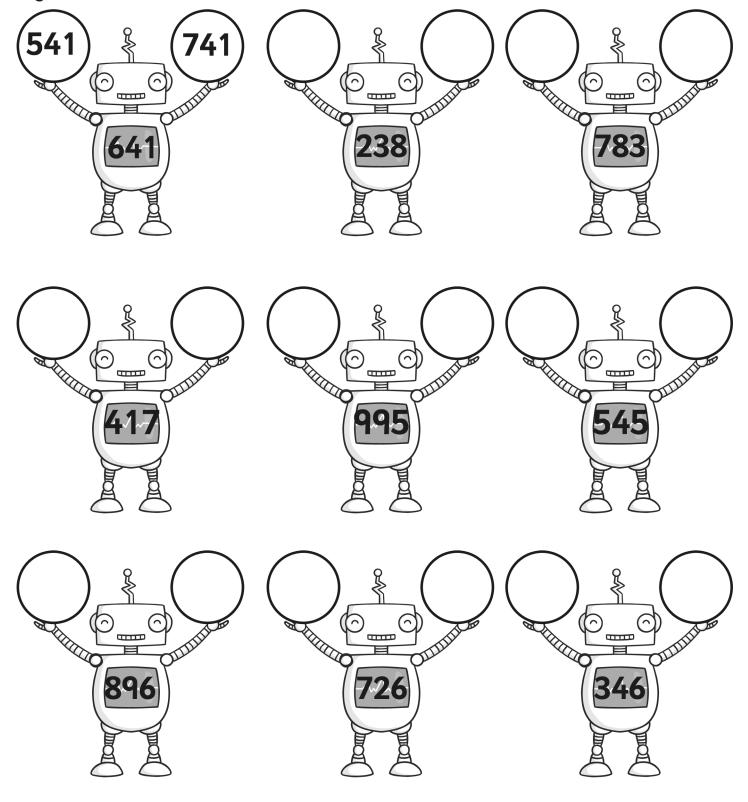


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100 More 100 Less Worksheet 3

Can you find 100 more than and 100 less than the number in the robot's tummy?

E.g.

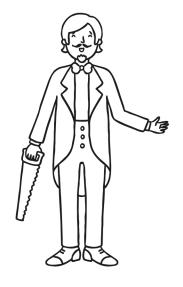




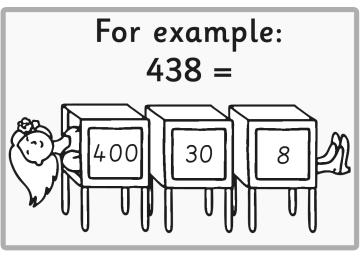


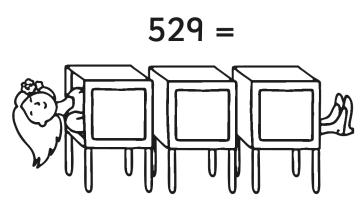
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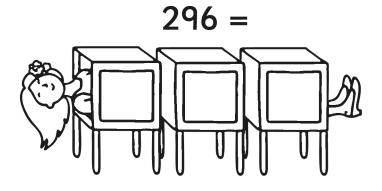
Maths Magician Partitioning Worksheet Hundreds, Tens and Units

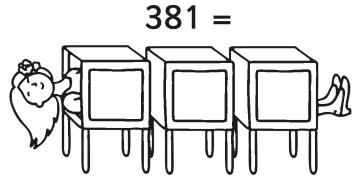


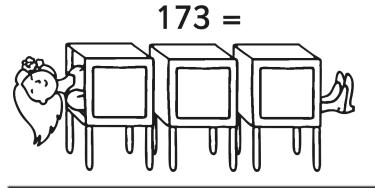
Can you put these numbers into hundreds, tens and units?

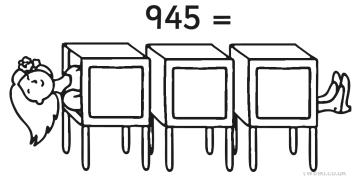








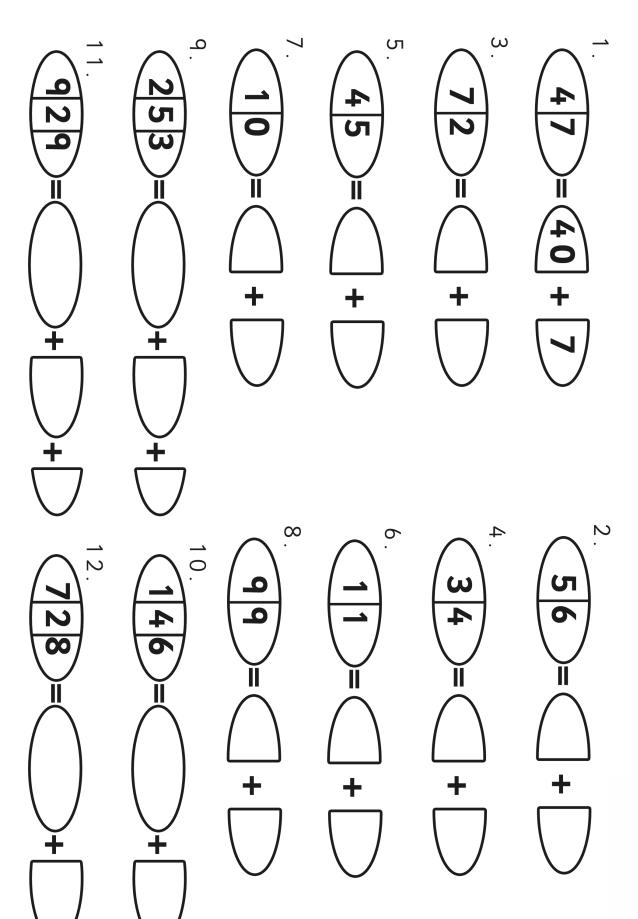






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Number Partitioning Worksheet 1

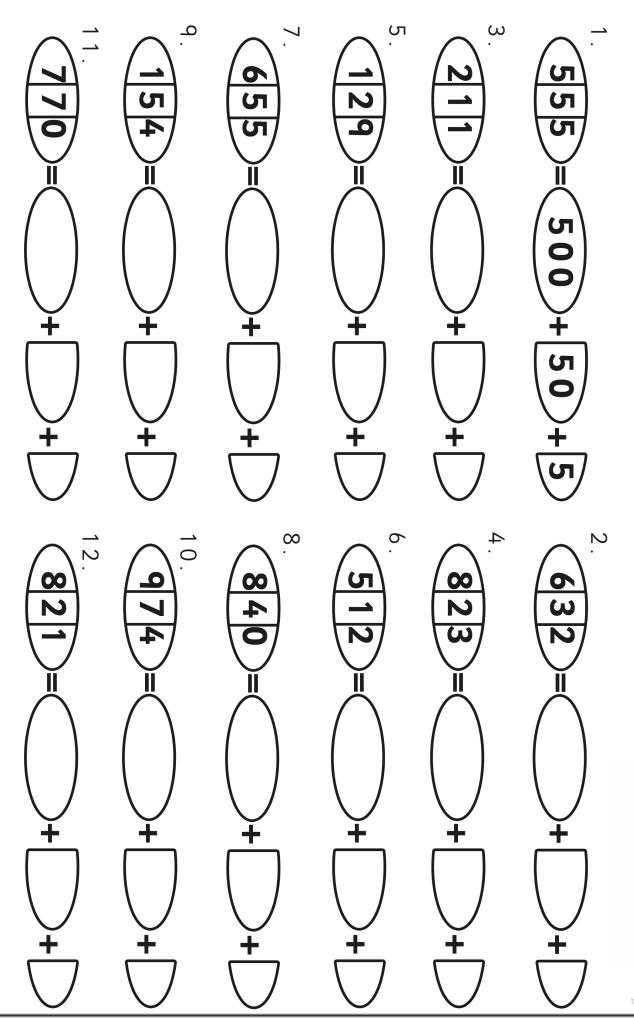


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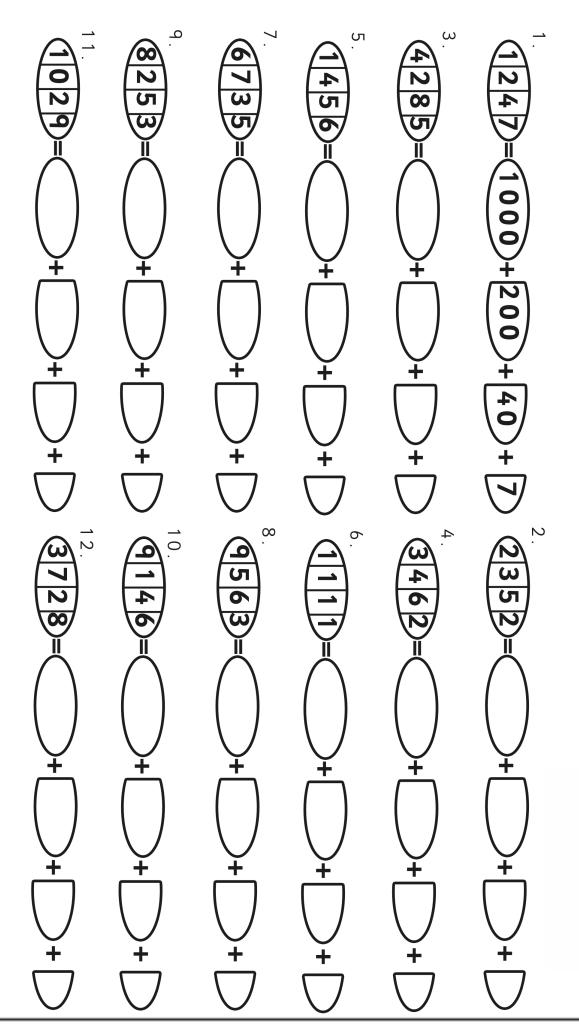
Number Partitioning Worksheet 2



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Number Partitioning Worksheet 3



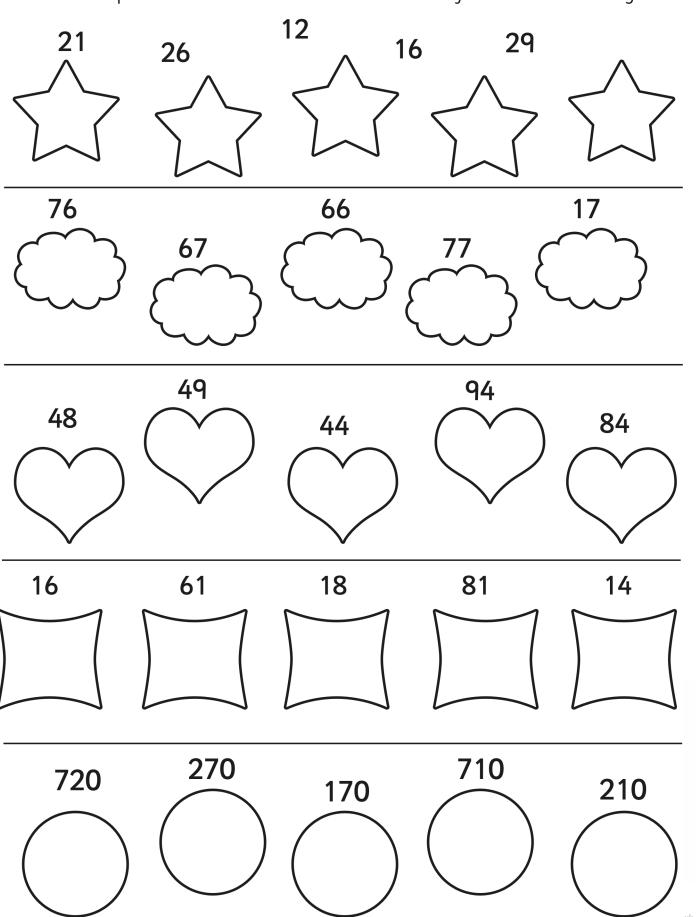
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Ordering Numbers to 1000 Worksheet 1

Fill in the spaces below with the numbers in order from smallest to largest.

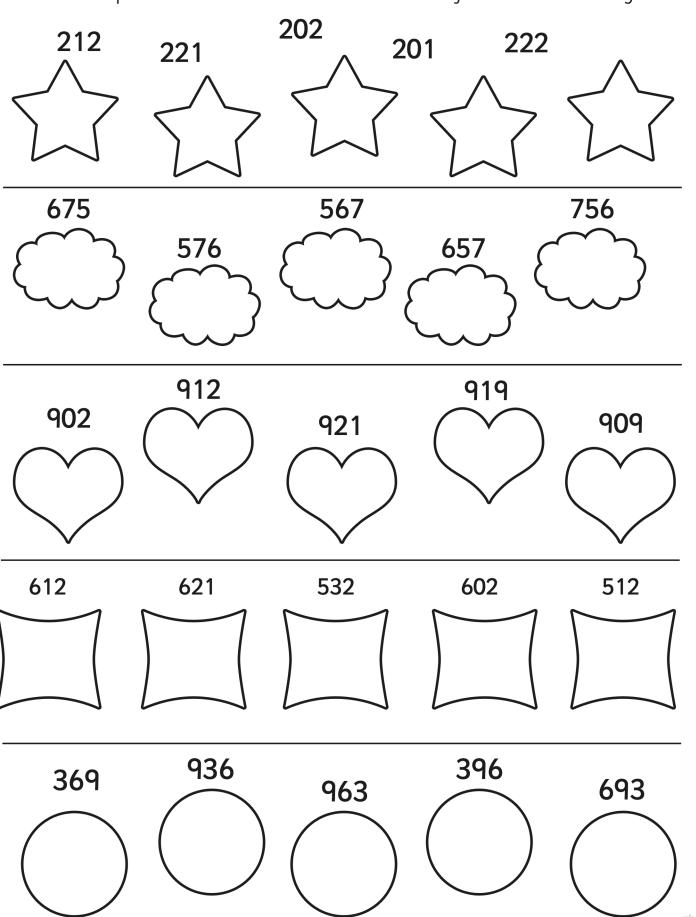


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Ordering Numbers to 1000 Worksheet 2

Fill in the spaces below with the numbers in order from smallest to largest.



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Estimating Addition Calculations

		-	-	
782 + 214	378 + 330	345 + 160	98 + 228	175 + 55
456 + 553	150 + 563	285 + 180	104 + 216	26 + 231
139 + 786	235 + 480	135 + 450	290 + 98	113 + 135
901 + 156	534 + 220	245 + 275	237 + 114	124 + 221
15. Which of these calculations give an answer of about 1000?	14. Which of these calculations give an answer of about 750?	13. Which of these calculations give an answer of about 500?	12. Which of these calculations give an answer of about 350?	11. Which of these calculations give an answer of about 250?
45 + 67	241 + 156	75 + 220	140 + 160	95 + 43
82 + 17	301 + 102	105 + 175	130 + 70	125 + 41
14 + 98	294 + 213	205 + 90	50 + 180	63 + 76
87 + 26	234 + 129	150 + 175	120 + 60	76 + 77
10. Which of these calculations give an answer of about 110?	9. Which of these calculations give an answer of about 400?	8. Which of these calculations give an answer of about 300?	7. Which of these calculations give an answer of about 200?	6. Which of these calculations give an answer of about 150?
53 + 56	45 + 67	35 + 27	39 + 29	45 + 18
98 + 32	82 + 17	29 + 32	17 + 53	28 + 31
46 + 76	14 + 98	47 + 31	31 + 16	13 + 45
84 + 23	87 + 26	72 + 25	37 + 23	34 + 17
5. Which of these calculations give an answer of about 120?	4. Which of these calculations give an answer of about 100?	3. Which of these calculations give an answer of about 80?	2. Which of these calculations give an answer of about 60?	1. Which of these calculations give an answer of about 50?

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Estimating Subtraction Calculations

1045 - 518	465 - 112	459 - 181	496 - 267	380 - 228
728 - 231	428 - 231	268 - 31	835 - 670	404 - 216
613 - 145	513 - 135	513 - 245	431 - 239	290 - 98
934 - 427	934 - 627	345 - 98	490 - 265	237 - 114
15. Which of these calculations give an answer of about 500?	13. Which of these calculations 14. Which of these calculations give an answer of about 350?	13. Which of these calculations give an answer of about 250?	12. Which of these calculations give an answer of about 200?	11. Which of these calculations give an answer of about 150?
175 - 55	241 - 153	300 - 220	200 - 160	95 - 43
226 - 31	301 - 102	220 - 150	130 - 70	125 - 54
113 - 35	294 - 213	205 - 120	250 - 180	63 - 11
324 - 221	234 - 129	150 - 75	120 - 60	76 - 17
10. Which of these calculations give an answer of about 100?	9. Which of these calculations give an answer of about 90?	8. Which of these calculations give an answer of about 80?	7. Which of these calculations give an answer of about 70?	6. Which of these calculations give an answer of about 60?
53 - 11	45 - 17	76 - 47	31 - 17	98 - 77
98 - 32	87 - 46	115 - 76	37 - 16	27 - 12
124 - 76	114 - 98	31 - 12	39 - 29	65 - 45
84 - 23	77 - 26	92 - 54	45 - 18	34 - 23
5. Which of these calculations give an answer of about 50?	4. Which of these calculations give an answer of about 40?	3. Which of these calculations give an answer of about 30?	2. Which of these calculations give an answer of about 20?	1. Which of these calculations give an answer of about 10?

Estimating Money Calculations

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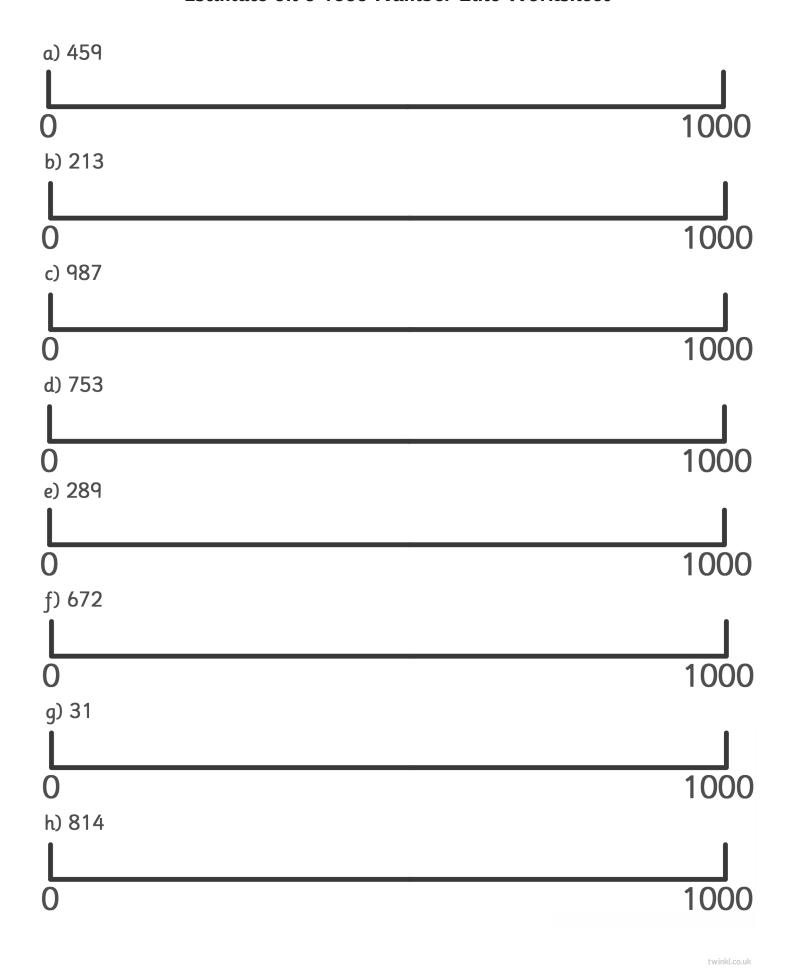
£7 + £3.10	£3.78 + £3.74	£4.45 + 60p	96p + £2.67	76p + £1.78
£3.60 + £4.50	£1.50 + £6.10	£2.75 + £1.90	£1.35 + £3.00	£1.02 + £1.16
£1.20 + £8.10	£3.50 + £4.60	£1.35 + £4.40	£3 + 29p	90p + 98p
£9 + 40p	£3.20 + £2.30	£1.23 + £2.75	£1.90 + £1.65	£2.17 + £1.14
15. Which of these calculations give an answer of about £10?	14. Which of these calculations give an answer of about £7.50?	13. Which of these calculations give an answer of about £5?	11. Which of these calculations 12. Which of these calculations 13. Which of these calculations 14. Which of these calculations 15. Which of the cal	11. Which of these calculations give an answer of about £2.50?
£0.75 + £0.55	£2.41 + £1.36	75p + £2.20	20p + £1	42p + 43p
76p + 72p	£2.01 + £1.02	£1.05 + £1.20	30p + 70p	18p + 41p
£1 + 23p	£1.45 + £1.53	£1.05 + 90p	50p + 40p	50p + 24p
£1.24 + 35p	£2.34 + 29p	£1.50 + £1.25	70p + 60p	7p + 70p
10. Which of these calculations give an answer of about £1.50?	9. Which of these calculations give an answer of about £3?	8. Which of these calculations give an answer of about £2?	7. Which of these calculations give an answer of about £1?	6. Which of these calculations give an answer of about 75p?
11p + 22p	41p + 18p	14p + 27p	23p + 17p	12p + 18p
17p + 10p	35p + 26p	29p + 27p	19p + 21p	5p + 9p
10p + 9p	14p + 28p	31p + 21p	21p + 14p	6p + 15p
8p + 23p	27p + 26p	22p + 25p	17p + 16p	11p + 17p
5. Which of these calculations give an answer of about 25p?	4. Which of these calculations give an answer of about 50p?	3. Which of these calculations give an answer of about 40p?	2. Which of these calculations give an answer of about 30p?	1. Which of these calculations give an answer of about 20p?

Representing Numbers Using Base 10

	101	513
	519	402
	590	669
	112	391
	709	785
	840	562
•	699	243
tv		

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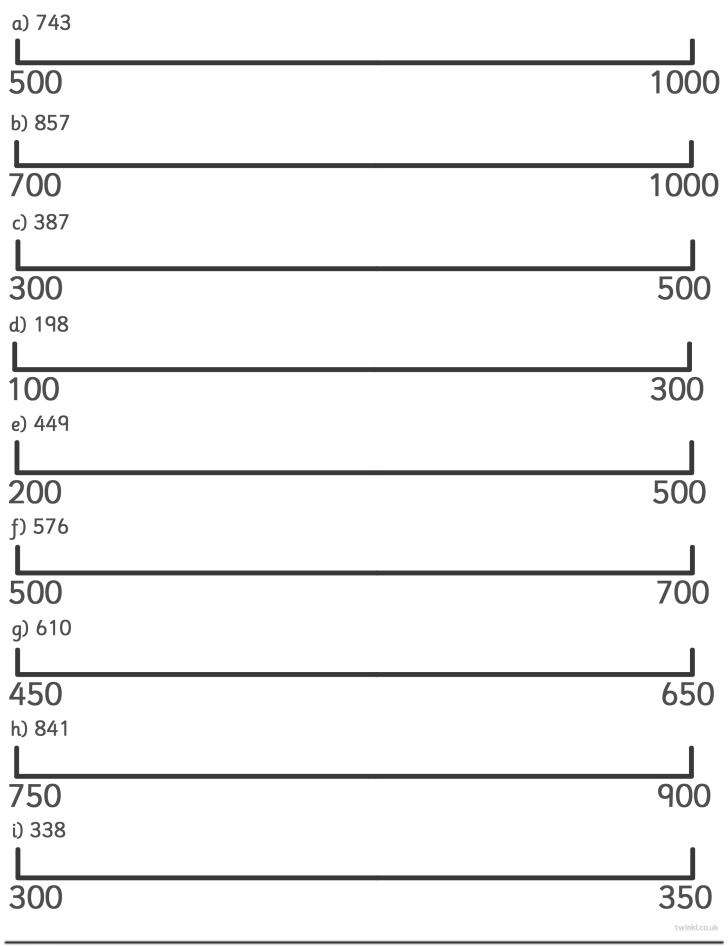
Estimate on 0-1000 Number Line Worksheet





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Estimate on Different Number Lines Worksheet





Writing Numbers in Words

Write the following numbers in words:

243	Two hundred and forty-three
562	
785	
391	
669	
402	
513	
699	
840	
709	
112	
590	
519	
101	

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Writing Numbers in Words

Write the following words in numbers:

Three hundred and forty-six	346
Six hundred and thirty-nine	
Nine hundred and thirteen	
Seven hundred and twenty-eight	
Four hundred and six	
Nine hundred and thirty	
One hundred and four	
Five hundred and thirty-five	
Two hundred and twenty-two	
Four hundred and sixty	
Eight hundred and seventy-eight	
Nine hundred and ninety-one	
One hundred and ninety-nine	
Five hundred and fifteen	

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Writing Numbers in Words

Write the following words into numbers and numbers into words.

	561
	902
Two hundred and fourteen	
Six hundred and fifty-nine	
	327
Four hundred and twelve	
Eight hundred and eight	
	880
	660
Six hundred and sixteen	
	779
Three hundred and thirty-seven	
	819
Seven hundred and forty	

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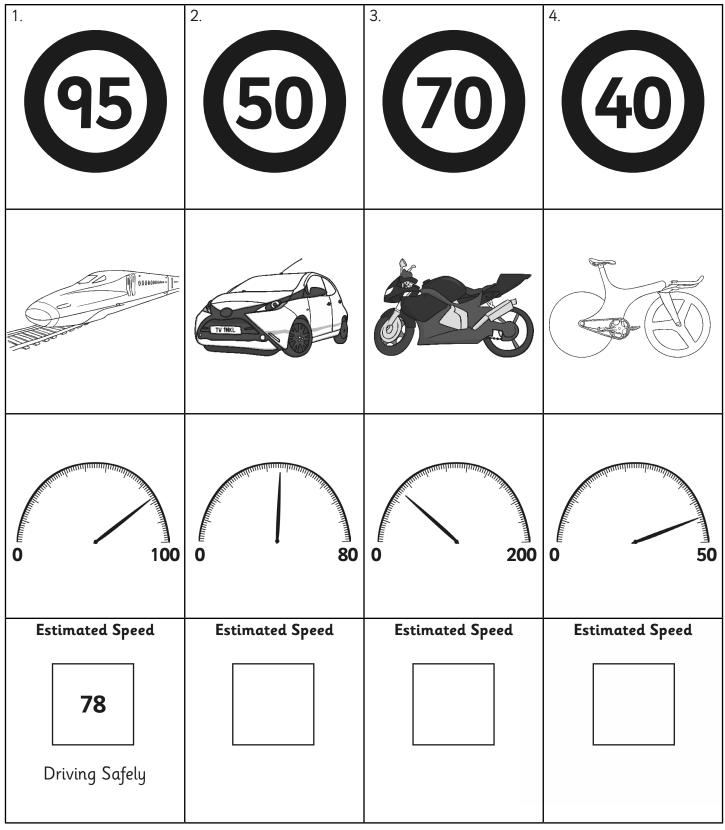


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Estimation – Reading Speedometers

Estimation can be useful in real life situations. Be useful and apply your estimation skills to these situations.

Look at the speed limit signs and the speedometers. Is the driver going **Too Fast!** or **Driving Safely**? The first one is done for you.



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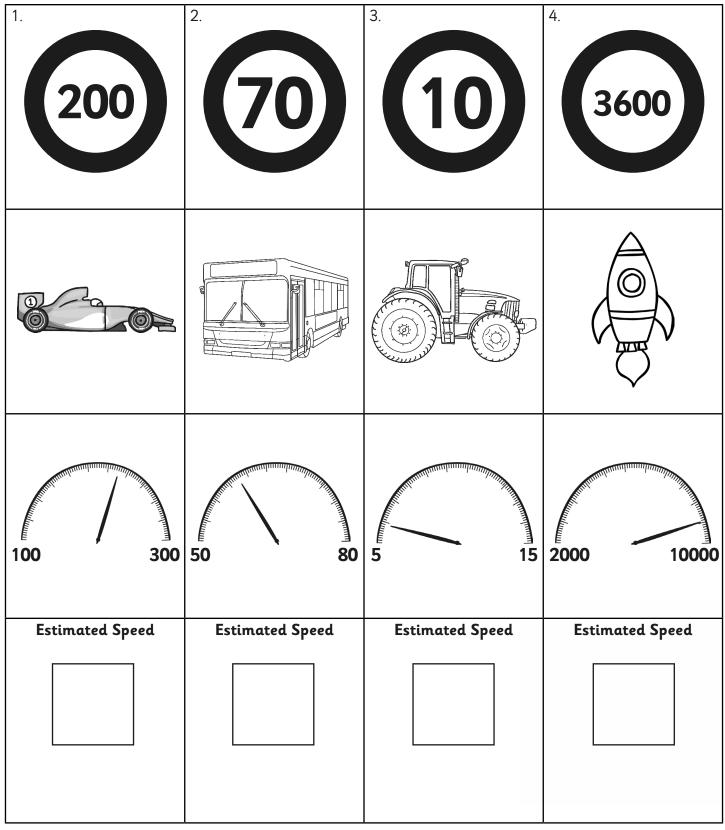


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Solving Number Problems Using Number Representation

For each of the problems below, begin by representing the number in the place value chart then complete the calculation by adding or subtracting from the appropriate column.

E.g. The Jones family have 56 fish.

Represent 56 in the chart by using dots or base 10 bars.

Hundreds	Tens	Units

Then read the rest of the question and add or cross out the extra dots or bars needed.

They buy 10 more. How many do they have altogether?

Don't forget to make a new hundred if you have 10 dots or bars in the tens column.

 76 people have attended the School Summer Fayre.

If 10 go home, how many are left?



Hundreds	Tens	Units

Answer

2. Raj has saved £49.

His grandmother gives him £10. How much does he have altogether?



Hundreds	Tens	Units

Answer	

3. Bilal collects stamps. He has 326.

He buys a packet of 100 with his pocket money. How many does he have now?



Hundreds	Tens	Units

Answer		

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Solving Number Problems Using Number Representation

4. There are 97 guinea pigs in the zoo enclosure.

10 babies are born. How many are there altogether?



Hundreds	Tens	Units

Answer		

5. Billy is playing a video game. He has scored 872 points.

He misses a jump and loses 100 points.

How many does he have now?



Hundreds	Tens	Units



6. Freya collects 103 conkers.

She gives 10 of them to a friend. How many does she have left?



Hundreds	Tens	Units

Answer		

7. There are 372 children in the school.

When a nearby school closes, 110 more children join. How many pupils are there now?



Hundreds	Tens	Units

Answer				

8. A shark has 295 teeth.

It loses 110. How many does it have left?



Hundreds	Tens	Units



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