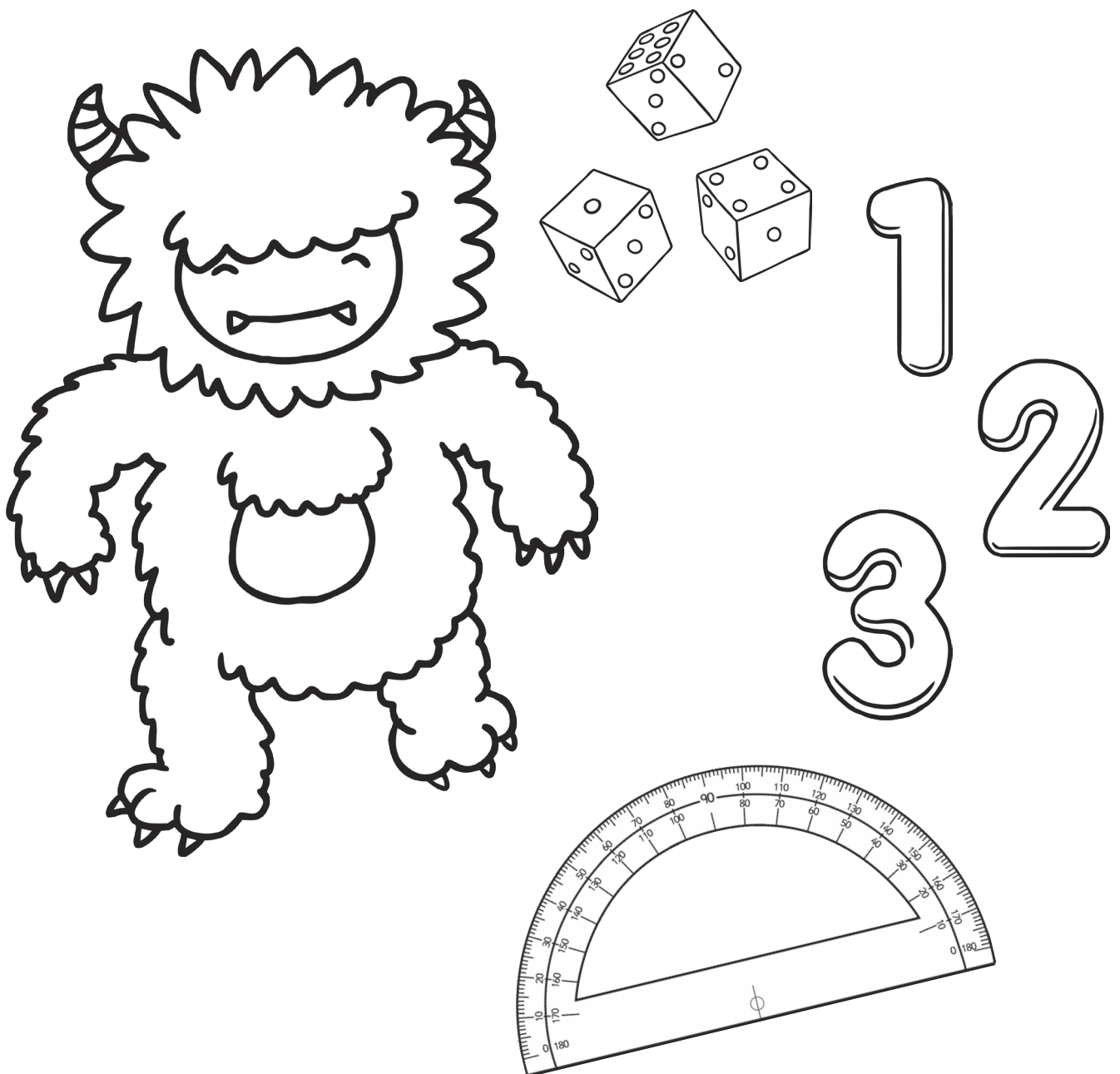


Year 3 Maths Number and Place Value Workbook



Home Learning Year 3 Maths

Workbook Pack

Year 3 Programme of Study - Number and Place Value

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

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

Complete the following sequences:

a) 4 8 12 16 20 24

b) 64 56 48 40 32 24

c) 50 100 150 200 250 300

d) 900 800 700 600 500 400

e) 56 60 64 68 72 76

f) 72 64 56 48 40 32

g) 350 400 450 500 550 600

h) 1100 1000 900 800 700 600

i) 92 88 84 80 76 72

j) 80 88 96 104 112 120

Continue the following sequences:

k) 4 8 12 16 20 24 28 32 36 40 44 48 52 56

l) 8 16 24 32 40 48 56 64 72 80 88 96 104 112

m) 50 100 150 200 250 300 350 400 450 500 550 600 650 700

n) 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400

o) 80 84 88 92 96 100 104 108 112 116 120 124 128 132

p) 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650

q) 144 136 128 120 112 104 96 88 80 72 64 56 48 40

r) 1500 1400 1300 1200 1100 1000 900 800 700 600 500 400 300

s) 124 120 116 112 108 104 100 96 92 88 84 80 76 72

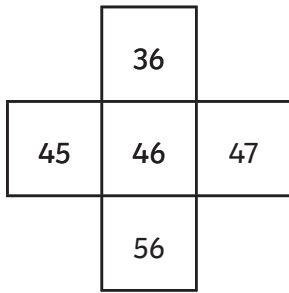


Challenge

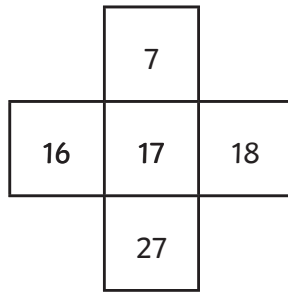
Explain the relationship between counting in 4s and 8s and compare this to the relationship between counting in 50s and 100s.

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

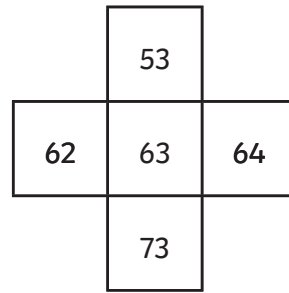
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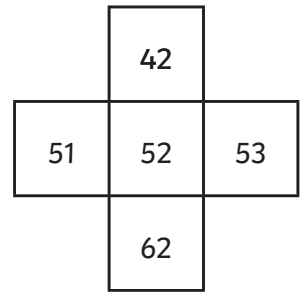
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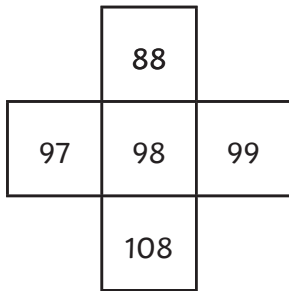
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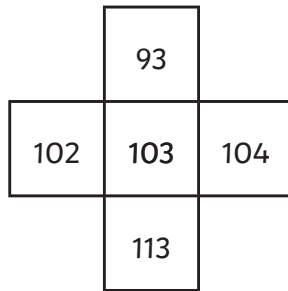
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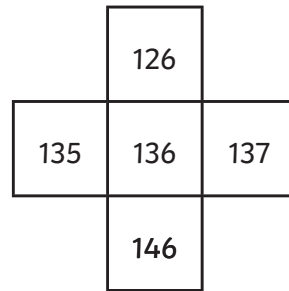
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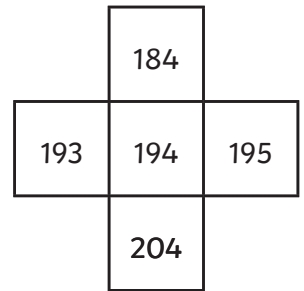
6.



7.



8.



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.

£3	£13	£23
----	-----	-----

3.

£38	£48	£58
-----	-----	-----

4.

£83	£93	£103
-----	-----	------

5.

£99	£109	£119
-----	------	------

6.

£121	£131	£141
------	------	------

7.

£0	£10	£20
----	-----	-----

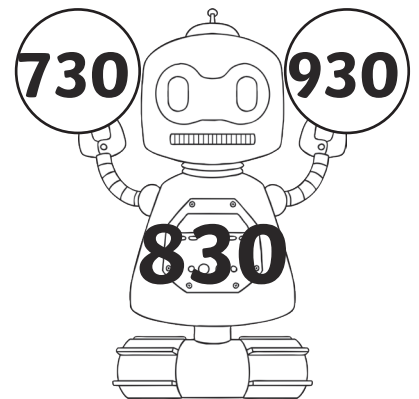
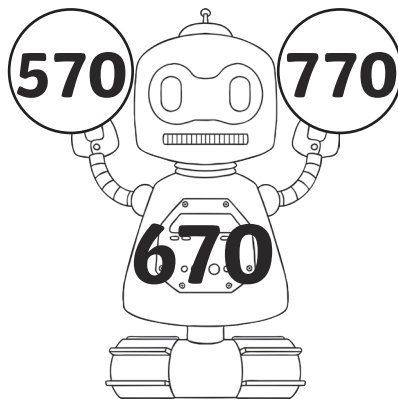
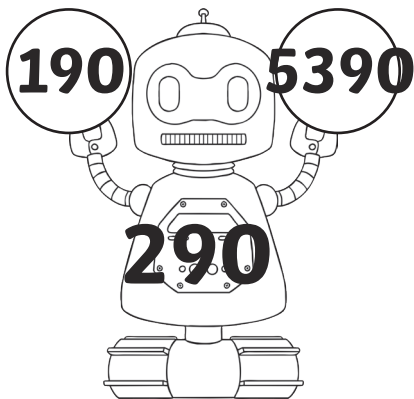
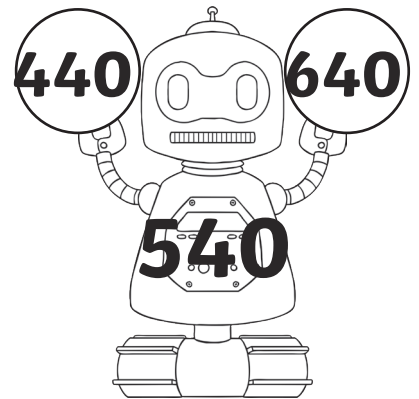
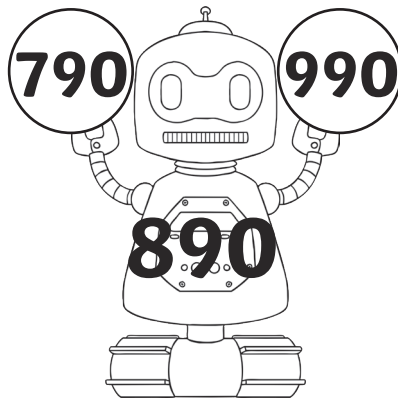
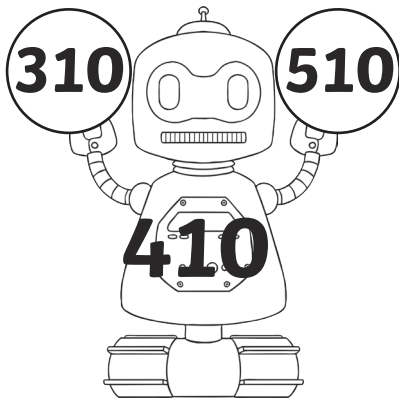
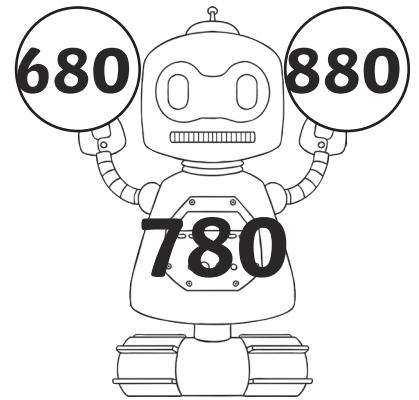
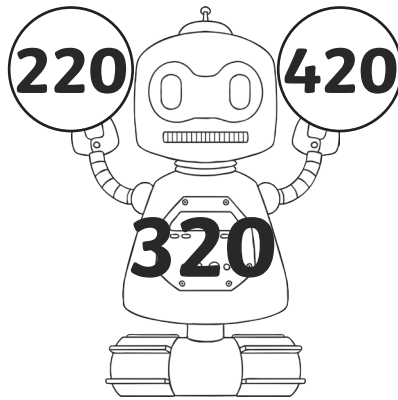
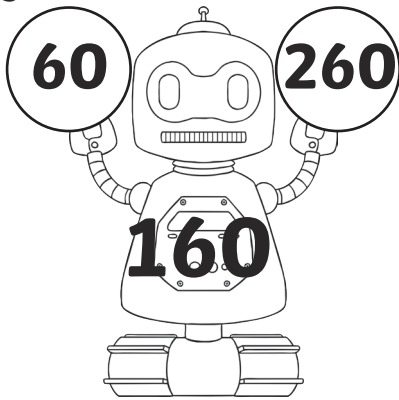
8.

£188	£198	£208
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100 More and 100 Less Worksheet 1

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

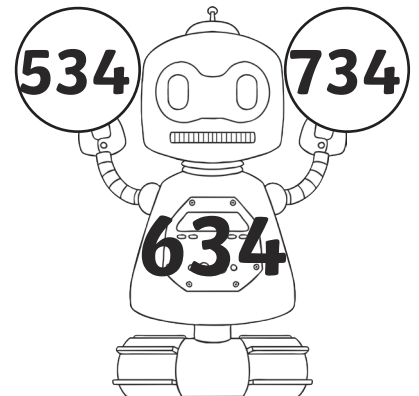
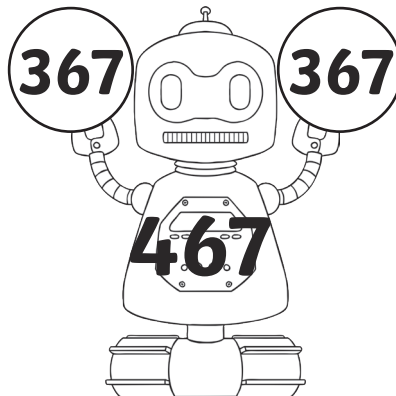
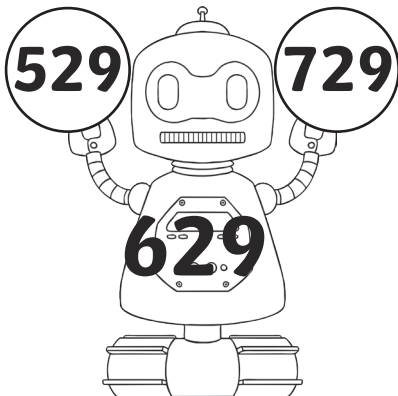
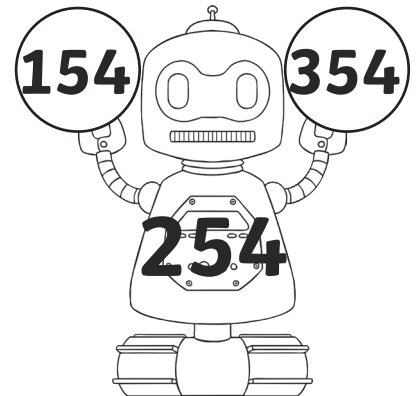
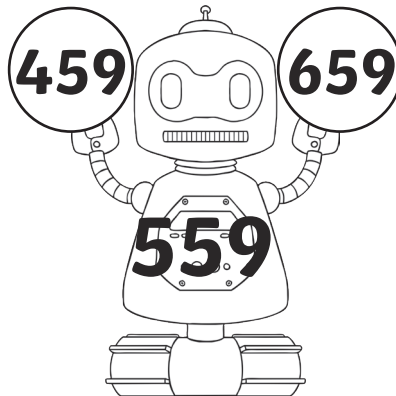
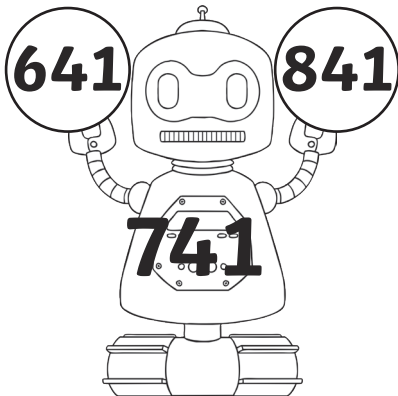
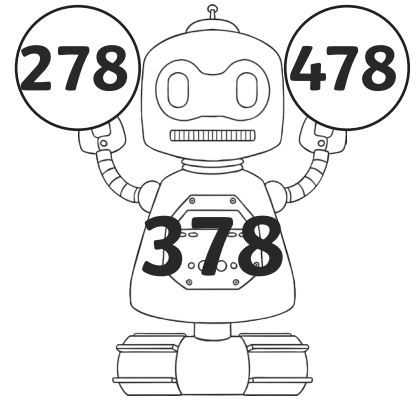
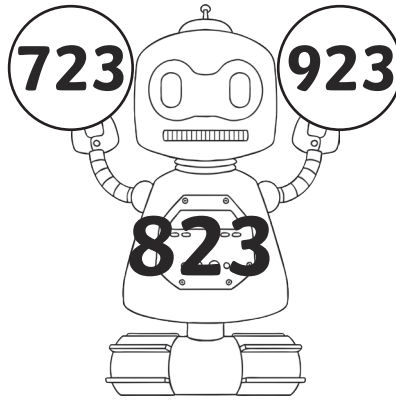
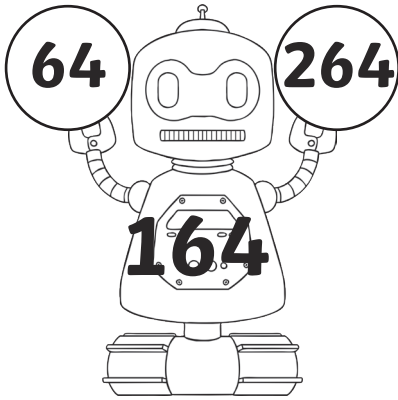
E.g.



100 More and 100 Less Worksheet 2

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

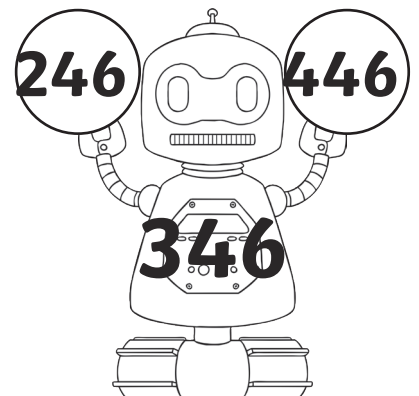
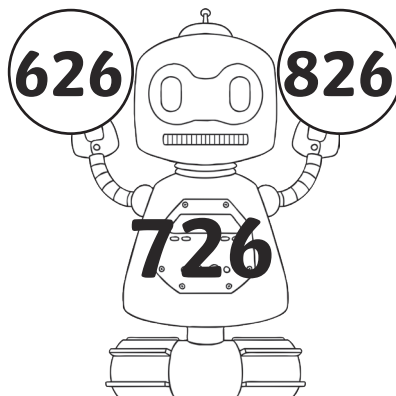
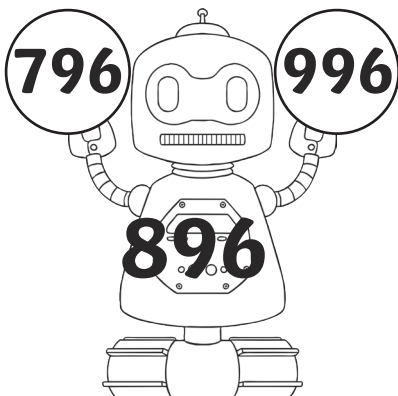
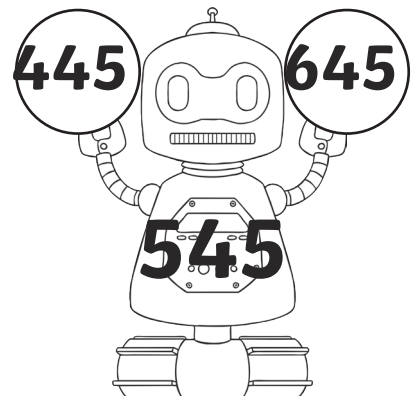
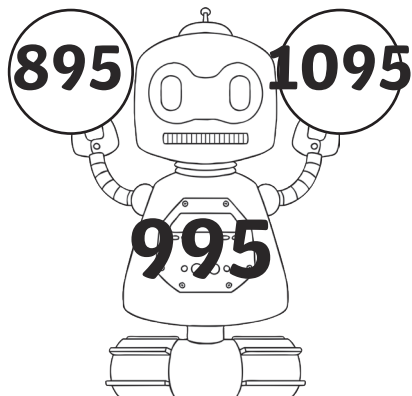
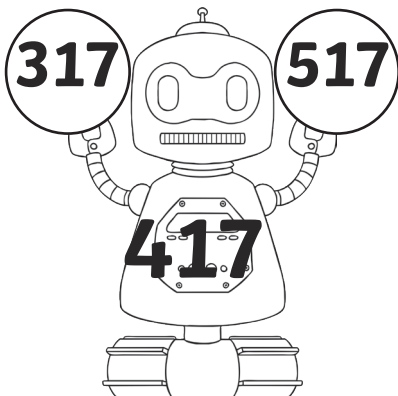
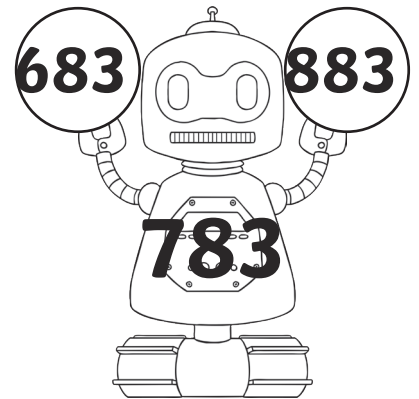
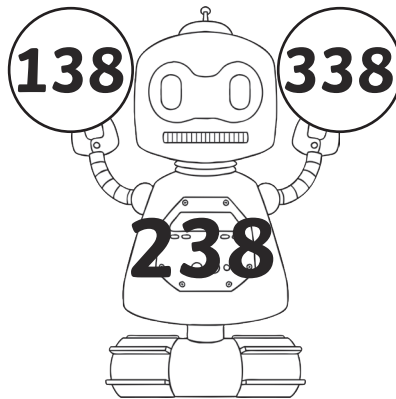
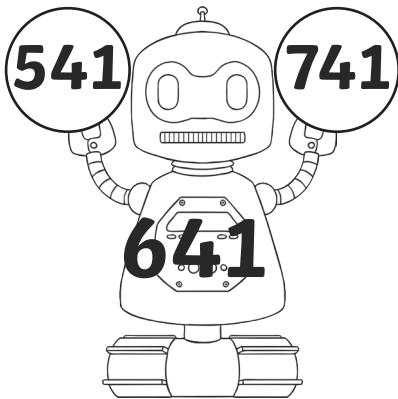
E.g.



100 More and 100 Less Worksheet 3

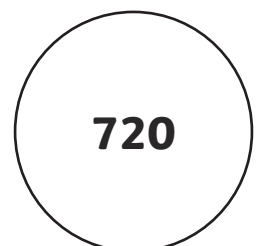
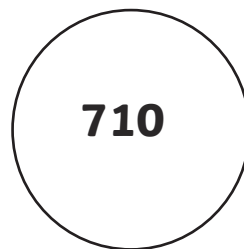
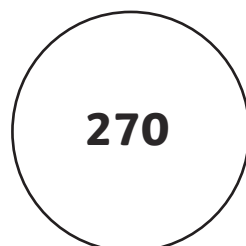
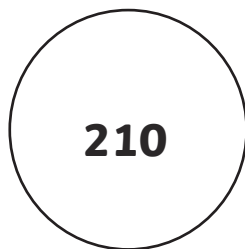
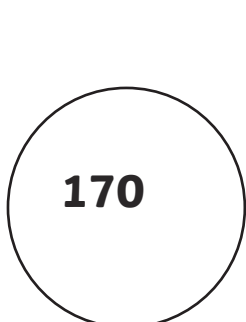
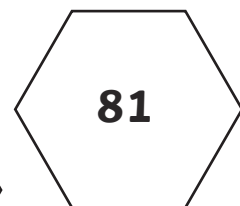
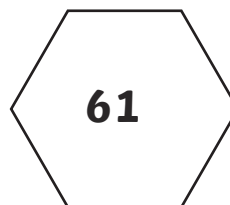
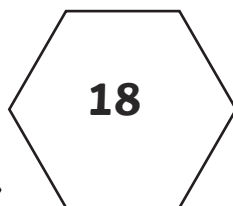
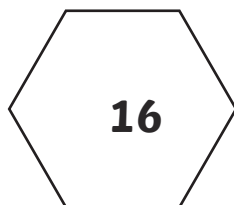
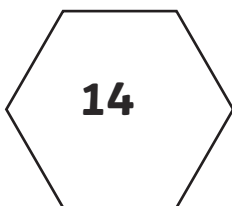
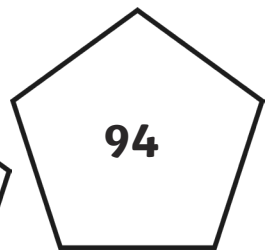
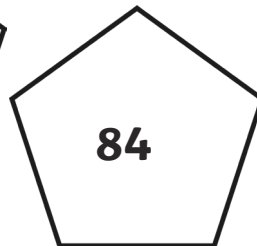
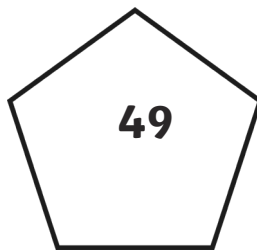
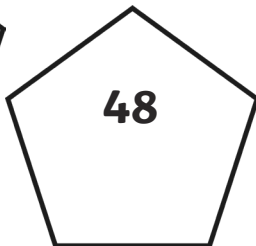
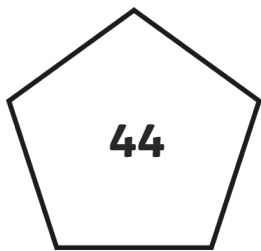
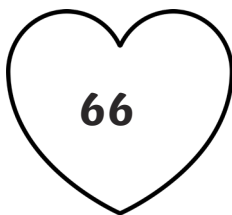
Can you find 100 more than and 100 less than the number in the robot's tummy?

E.g.



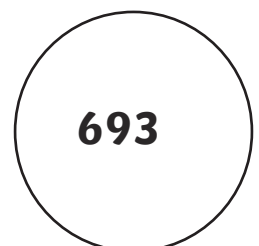
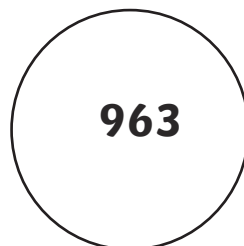
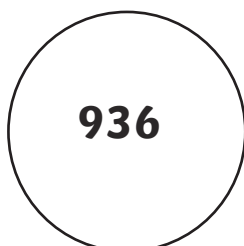
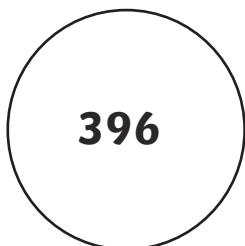
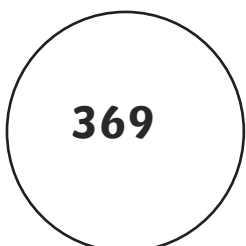
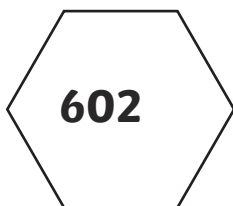
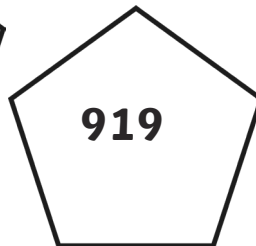
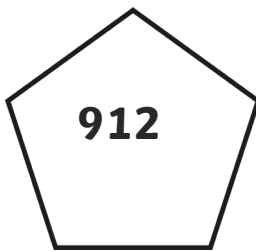
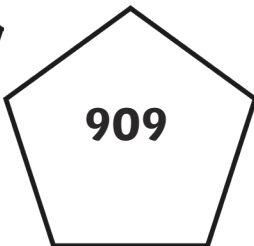
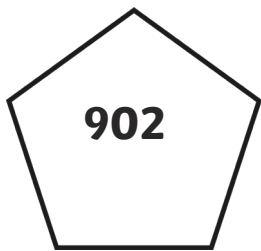
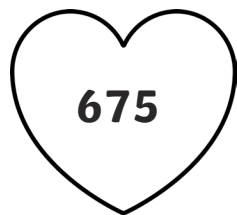
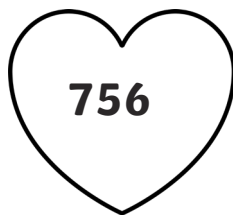
Ordering numbers to 1000 Worksheet 1

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



Ordering numbers to 1000 Worksheet 2

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



Estimating Addition Calculations

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

Estimating Subtraction Calculations

<p>1. Which of these calculations give an answer of about 10?</p> <p>$34 - 23$ $64 - 45$ $27 - 12$ $98 - 77$</p>	<p>2. Which of these calculations give an answer of about 20?</p> <p>$45 - 18$ $39 - 29$ $37 - 16$ $31 - 17$</p>	<p>3. Which of these calculations give an answer of about 30?</p> <p>$92 - 54$ $31 - 12$ $37 - 16$ $76 - 47$</p>
<p>4. Which of these calculations give an answer of about 40?</p> <p>$77 - 26$ $114 - 98$ $87 - 46$ $45 - 17$</p>	<p>5. Which of these calculations give an answer of about 50?</p> <p>$84 - 23$ $124 - 76$ $98 - 32$ $53 - 11$</p>	<p>6. Which of these calculations give an answer of about 60?</p> <p>$76 - 17$ $63 - 11$ $125 - 54$ $95 - 43$</p>
<p>7. Which of these calculations give an answer of about 70?</p> <p>$120 - 60$ $250 - 180$ $130 - 70$ $200 - 160$</p>	<p>8. Which of these calculations give an answer of about 80?</p> <p>$150 - 75$ $205 - 120$ $220 - 150$ $300 - 220$</p>	<p>9. Which of these calculation give an answer of about 90?</p> <p>$234 - 129$ $294 - 213$ $301 - 102$ $241 - 153$</p>
<p>10. Which of these calculations give an answer of about 100?</p> <p>$324 - 221$ $113 - 35$ $226 - 31$ $175 - 55$</p>	<p>11. Which of these calculations give an answer of about 150?</p> <p>$237 - 114$ $290 - 98$ $404 - 216$ $380 - 228$</p>	<p>12. Which of these calculations give an answer of about 200?</p> <p>$490 - 265$ $431 - 239$ $835 - 670$ $496 - 267$</p>
<p>13. Which of these calculations give an answer of about 250?</p> <p>$345 - 98$ $513 - 245$ $268 - 31$ $459 - 181$</p>	<p>14. Which of these calculations give an answer of about 350?</p> <p>$934 - 627$ $513 - 135$ $428 - 231$ $465 - 112$</p>	<p>15. Which of these calculations give an answer of about 500?</p> <p>$934 - 427$ $613 - 145$ $728 - 231$ $1045 - 518$</p>

Estimate on 0 - 1000 Number Line Worksheet

a) 459



b) 213



c) 987



d) 753



e) 289



f) 672



g) 31

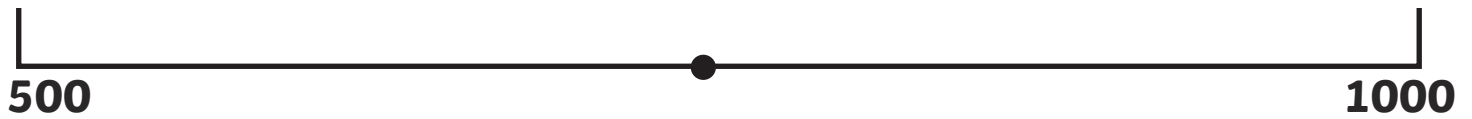


h) 814



Estimate on Different Number Lines Worksheet

a) 743



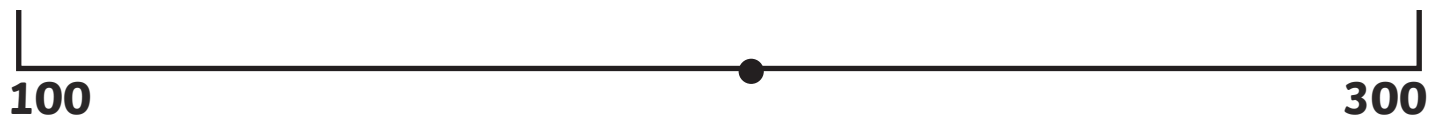
b) 857



c) 387



d) 198



e) 449



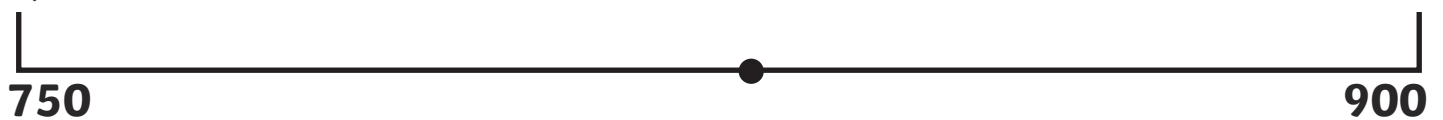
f) 576



g) 610



h) 841



Writing Numbers in Words

Write the following numbers in words:

243	Two hundred and forty-three
567	
785	
391	
669	
402	
513	
699	
840	
709	
112	
590	
519	
101	

Writing Numbers in Words

Write the following words into 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	

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	