

Discoverers Class

Essential Maths

June 2020

Year 4

The end of year expectations for Year 4 include to:

- Count backwards through zero to include negative numbers
- Compare and order numbers beyond 1,000
- Compare and order numbers with up to 2 decimal places
- Read Roman numerals to 100
- Find 1,000 more or less than a given number
- Count in multiples of 6, 7, 9, 25 and 1000
- Recall and use multiplication and division facts for all tables to 12x12
- Recognise place value of any 4-digit number
- Round any number to the nearest 10, 100 or 1,000
- Round decimals with 1 decimal-place to nearest whole number
- Add and subtract numbers with up to 4-digits using written columnar method
- Multiply 2-digit and 3-digit numbers by 1-digit numbers
- Count up and down in hundredths
- Recognise and write equivalent fractions
- Add and subtract fractions with same denominator
- Read, write and convert time between analogue and digital 12 and 24 hour clocks

- Count backwards through zero to include negative numbers

Start at five and count backwards to minus ten	Start at ten and count backwards to minus three	Start at seven and count backwards to minus four	Start at three and count backwards to minus twenty
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- Compare and order numbers beyond 1,000

Order the numbers from smallest to largest.

8,735	1,021	9,861	5,002	4,684	289	2,467
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Compare and order numbers with up to 2 decimal places

Order the numbers from smallest to largest.

6.25	3.97	3.05	6.29	9.86	2.77	3.64
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Read Roman numerals to 100

Fill in the hundred square using Roman Numerals									
I		III		V			VIII		X
	XII							XIX	
				XXV					XXX
XXXI						XXXVII			
XLI			XLIV					XLIX	L
									LX
	LXII				LXVI				
		LXXIII				LXXVII			
				LXXXV					XC
			XCIV				XCVIII		

- Find 1,000 more or less than a given number

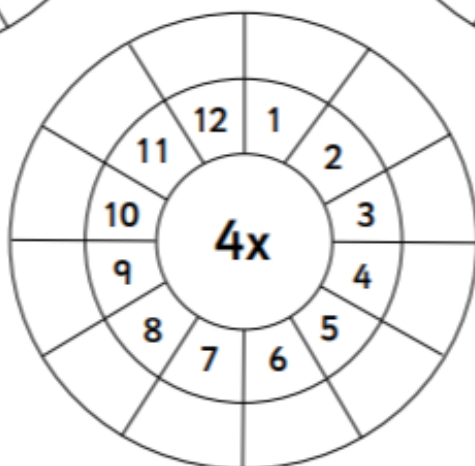
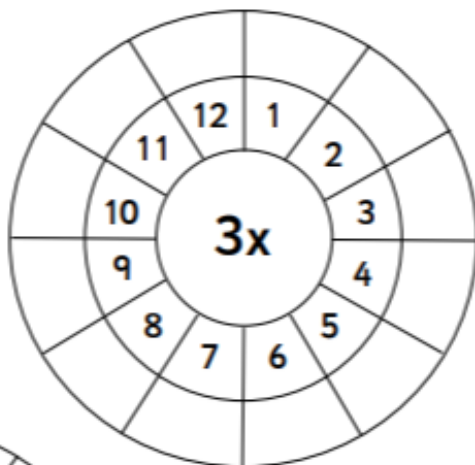
Fill in the table to show 1,000 less and 1,000 more than the given number.

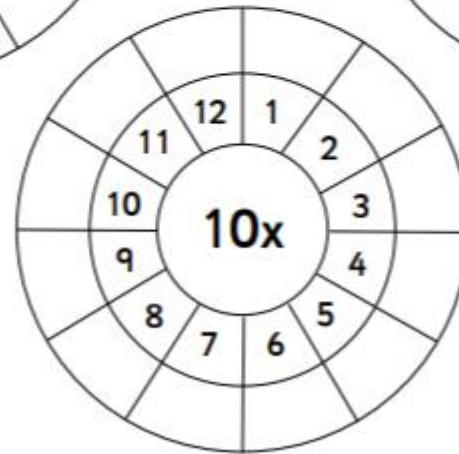
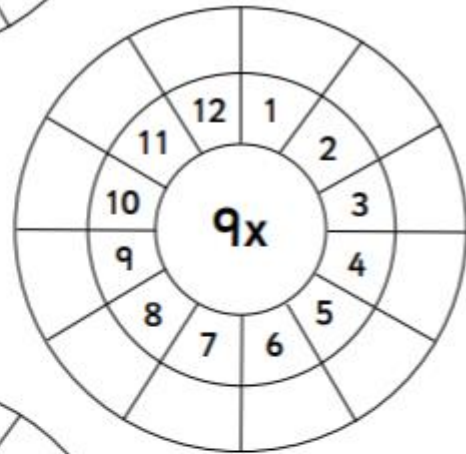
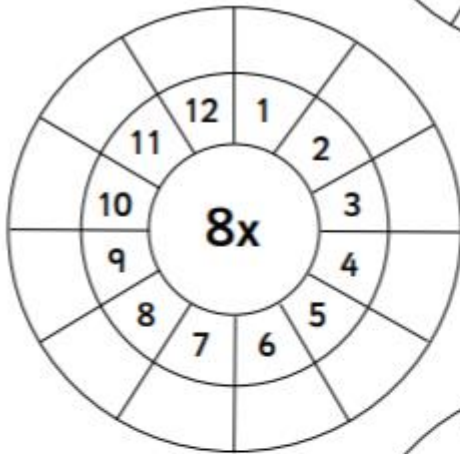
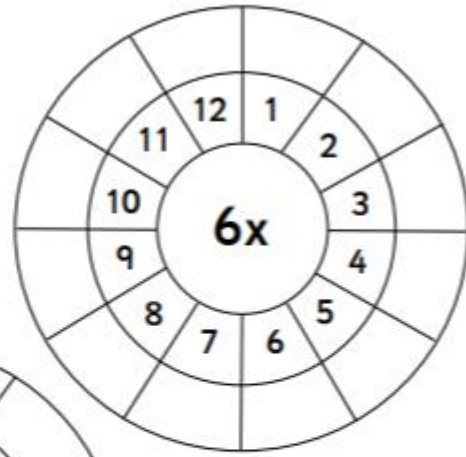
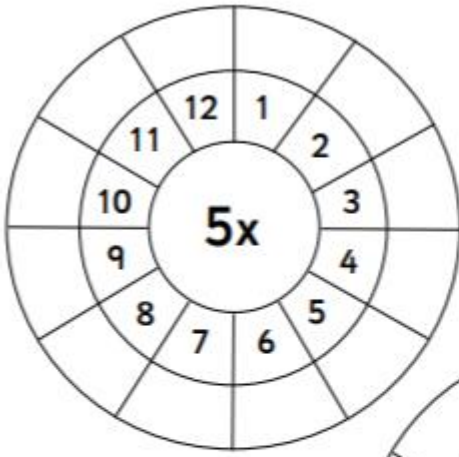
1,000 less than		1,000 more than
	7,341	
	2,972	
	7,559	
	1,383	

- Count in multiples of 6, 7, 9, 25 and 1000

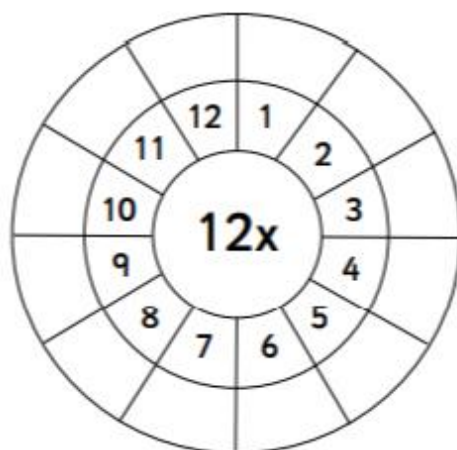
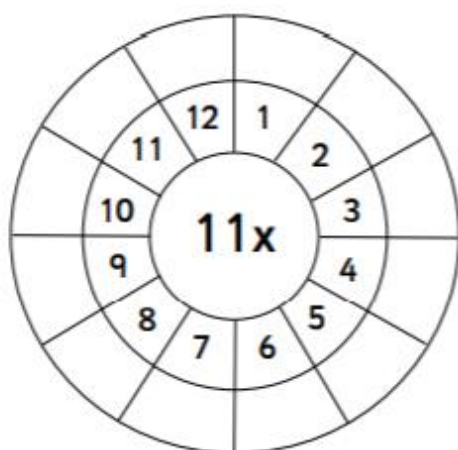
Start at six and count in sixes	start at seven and count in sevens	start at nine and count in nines	start at twenty-five and count in twenty-fives	start at zero and count in thousands
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- Recall and use multiplication and division facts for all tables to 12x12





Continued



- Recognise place value of any 4-digit number

Write the digits to form the number

words	digits
two thousands, five hundreds, two tens and four ones	<input type="text"/>
eight thousands, seven hundreds, no tens and five ones	<input type="text"/>
four thousands, two hundreds, three tens and no ones	<input type="text"/>
nine thousands, three hundreds, three tens and three ones	<input type="text"/>
seven thousands, eight hundreds, six tens and one one	<input type="text"/>

Write the place value words that form the given number

words	digits
<input type="text"/>	5,678
<input type="text"/>	1,204
<input type="text"/>	8,631
<input type="text"/>	6,888
<input type="text"/>	2,030

- Round any number to the nearest 10, 100 or 1,000

Complete the table:

	nearest 10	nearest 100	nearest 1,000
9,864			
5,237			
4,565			
1,002			

- Round decimals with 1 decimal-place to nearest whole number

Round the numbers to the nearest whole number

1.6	9.4	25.1	93.7	0.9	7.5	3.4

- Add and subtract numbers with up to 4-digits using written columnar method

Complete the column method addition questions

	5	3	4	1
+	2	4	5	3

	7	7	6	2
+	1	0	0	4

	1	6	5	2
+	6	2	0	9

	8	7	7	5
+	1	3	3	4

	2	9	0	2
+	2	2	0	9

	6	0	4	3
+	3	1	2	7

Complete the column method subtraction questions

	9	5	6	7
-	4	2	3	4

	8	6	5	5
-	4	4	2	1

	1	8	6	7
-	1	5	4	1

Complete the column method subtraction questions

	7	3	2	4
-	3	1	1	5

	8	1	5	6
-	7	8	1	3

	5	0	0	4
-	1	5	4	3

- Multiply 2-digit and 3-digit numbers by 1-digit numbers
- Complete the column method multiplication questions

	2	3
x		5

	5	6
x		3

	7	4
x		2

	3	8
x		7

	9	7
x		6

Complete the column method multiplication questions

	2	8	4
x			4

	3	6	5
x			9

	5	7	2
x			5

	7	4	3
x			8

	9	5	9
x			3

- Count up and down in hundredths

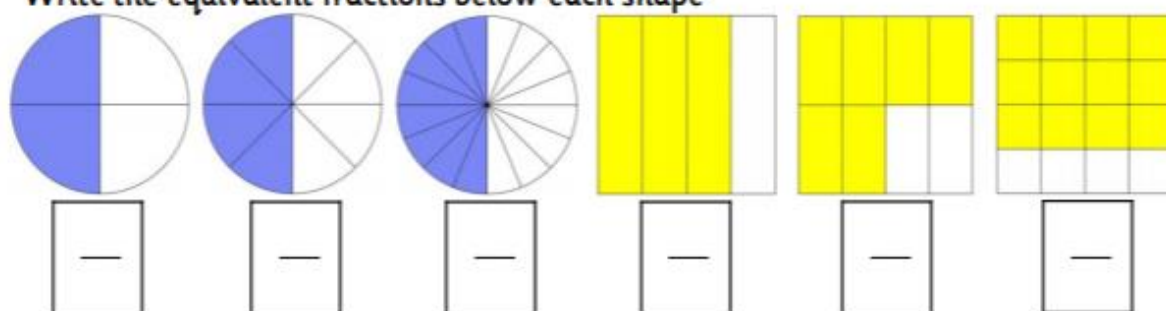
3.0	3.01		3.03		3.05	3.06		3.08	3.09	3.10
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6.60		6.62		6.64		6.66	6.67		6.69	
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	4.46		4.48	4.49		4.51		4.53	4.54	
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- Recognise and write equivalent fractions

Write the equivalent fractions below each shape



- Add and subtract fractions with same denominator

$$\frac{12}{33} + \frac{27}{33} = \quad \quad \quad \frac{17}{12} - \frac{9}{12} = \quad \quad \quad \frac{52}{75} + \frac{37}{75} =$$

$$\frac{74}{64} - \frac{37}{64} = \quad \quad \quad \frac{6}{24} + \frac{14}{24} = \quad \quad \quad \frac{17}{18} - \frac{13}{18} =$$

$$\frac{36}{99} + \frac{36}{99} = \quad \quad \quad \frac{31}{52} - \frac{26}{52} = \quad \quad \quad \frac{41}{87} + \frac{42}{87} =$$

- Read, write and convert time between analogue and digital 12 and 24 hour clocks

