

Maths – Activity 1

LO: To read Roman numerals to 100 (I to C).

Core skill - Translate these Roman numerals.

LXIII =	XXXIV =	XIX =
XCIV =	XVI =	XLIII =

Write these numbers in Roman numerals.

35 =	99 =	57 =
100 =	83 =	79 =

Arrange these numbers in ascending order.

XXXV	XL	XXX	LX	LV	LXV	XLV

I	1	XXX	30
II	2	XL	40
III	3	L	50
IV	4	LX	60
V	5	LXX	70
VI	6	LXXX	80
VII	7	XC	90
VIII	8	C	100
IX	9	D	500
X	10	M	1,000
XX	20	MD	1,500

Depth task – Harry and Megan are discussing Roman numerals. Who is correct? Explain your answer.



Harry

I think that XL
= 60 because
 $10 + 50 = 60$.



Megan

I think that XL
= 40 because
 $50 - 10 = 40$.

Complete the table below. What are the missing numbers?

Numerals		Roman Numerals		Roman Numerals		Words
3	+		+	IX	=	fifty-six
	+	XCVI	-	XXIV	=	seventy-six
75	+	XIV	-		=	twenty-three
100	-	XLIX	-	XLV	=	

Greater Depth

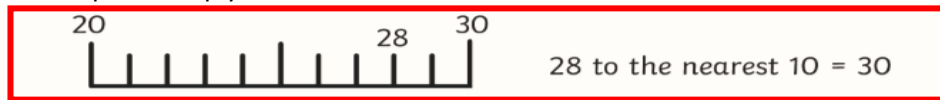
Use the Roman Numerals to write 4 calculations using addition and subtraction totalling no more than 100.
For example, $XCI - XLIX = XLII$ This is $91 - 49 = 42$.

XCI	XLIX	XXIV
XXXIX	XIV	LXXIV

Maths – Activity 2

LO: To round to the nearest 10.

Core skill – Watch the video to explain how to round to the nearest 10. <https://watchkin.com/95ea0afee0>
Look at the example to help you solve the answer.



1. 32 to the nearest 10 = _____



2. 46 to the nearest 10 = _____



3. 54 to the nearest 10 = _____



4. 66 to the nearest 10 = _____



5. 71 to the nearest 10 = _____

Depth task – Complete the table below by rounding to the nearest 10. Remember to look at the ones digit. 1, 2, 3 or 4 round down. 5, 6, 7, 8 or 9 round up.

Number	Nearest 10
782	
Ninety-two	
488	
One hundred and nine	
184	
Thirty-six	
Six hundred and thirteen	

Greater Depth

Which numbers are incorrectly placed in the table below? Explain why.

Nearest ten is 210	Nearest ten is 220
211	212
Two hundred and sixteen	Two hundred and fifteen
204	219
208	214
Two hundred and thirteen	Two hundred and seventeen

Who is correct? Prove it.

Dustin says,



Nine hundred and eight-four to the nearest ten is nine hundred and eighty.

Ramaya says,

984 to the nearest ten is nine hundred and ninety.



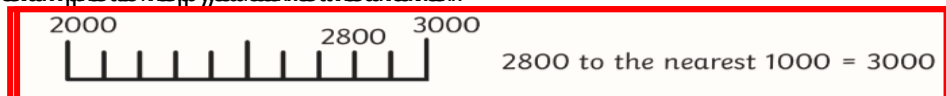
Maths – Activity 3

LO: To round to the nearest 100.

Maths – Activity 4

LO: To round to the nearest 1,000.

Core skill – What the video to explain how to round to the nearest 1,000. <https://www.youtube.com/watch?v=1b85f185763e>
Look at the example to help you solve the answer.



1. 2345 to the nearest 1000 = _____



2. 3567 to the nearest 1000 = _____



3. 4812 to the nearest 1000 = _____



4. 5500 to the nearest 1000 = _____



5. 6955 to the nearest 1000 = _____



5. 715 to the nearest 100 = _____

Depth task

Complete the table below by rounding to the nearest 10, 100 and 1,000.

Round the numbers below, or draw lines to match them to the nearest 100.

Number

1,000 100 100 10 10 1 1

1,000 100 100 10 10 1

1,000 100 10 10 1 1

three hundred and

1,000 1,000 10 10 10 1 1

1,000 10 10 10 1 1 1

1,000 10 10 10 1 1

one hundred and sixty-two

100 1,000

100 100

1 100 1,000 100 100 100

True or false?

Six hundred and fifty-eight is closer to 600 than 700.

Nearest 10	Nearest 100	Nearest 1,000
600 610 620 630 640 650 660 670 680 690 700		
True or false?		
Nine hundred and forty-nine is closer to 900 than 1,000.		
900 910 920 930 940 950 960 970 980 990 1000		

Explain why

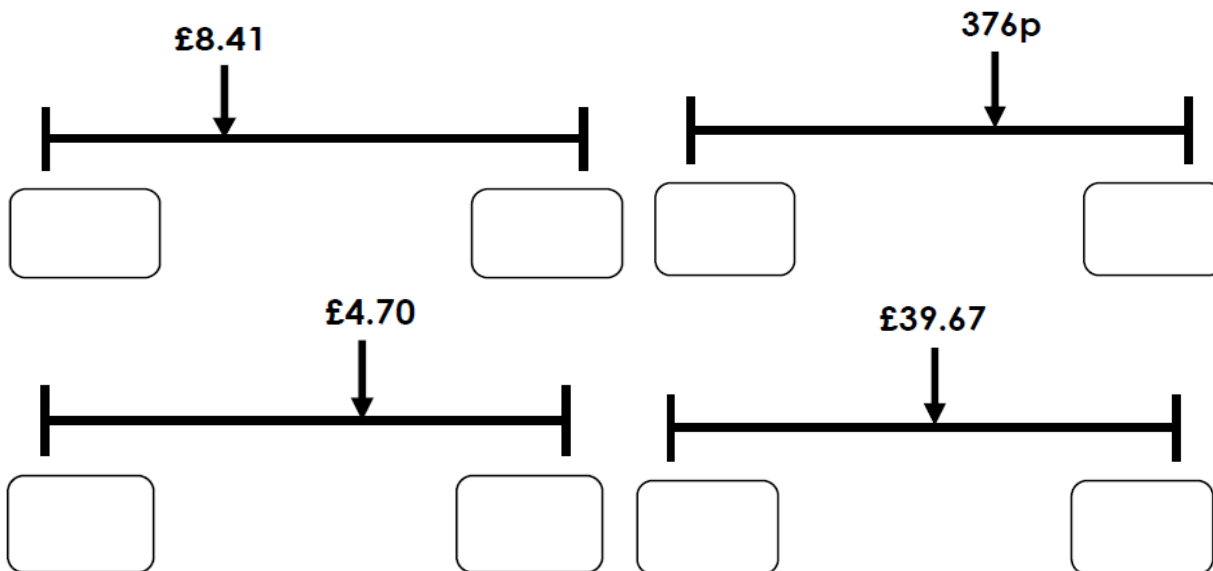


If I round five hundred and fifty-five to the nearest 100, the answer is six hundred. If I round it to the nearest 10, the answer is the same.

Maths – Activity 5

LO: To round decimals to the nearest whole number.

Core skill - Which whole pound does the given amount come between? Round the amount to the nearest pound.



Depth task

Match the items to the rounded totals.

 79p	+	 £7.19	£7.00
 £1.76	+	 £7.45	£8.00
 £2.34	+	 468p	£9.00

Match the items to the rounded totals.

 1,359p	+	 £15.49	£22.00
 1,087p	+	 £11.38	£26.00
 £14.46	+	 1,222p	£29.00

Greater Depth

Mahammed had these digit cards. Find all the amounts he can make which round to £7.00.

3

6

7

8

Answers – Activity 1

Core skill – Translate these Roman numerals.

LXIII = 63	XXXIV = 34	XIX = 19
XCVII = 97	XVI = 16	XLIII = 43

Write these numbers in Roman numerals.

35 = XXXV	99 = XCIX	58 = LVIII
100 = C	83 = LXXXIII	71 = LXXI

Arrange these numbers in ascending order.

XXXV 35	XL 40	XXX 30	LX 60	LV 55	LXV 65	XLV 45
XXX 30	XXXV 35	XL 40	XLV 45	LV 55	LX 60	LXV 65

Depth task –

Megan is correct. When X is placed before L, it represents 10 less than 50 = 40.



I think that XL = 60 because $10 + 50 = 60$.



I think that XL = 40 because $50 - 10 = 40$.

Numerals		Roman Numerals		Roman Numerals		Words
3	+	XLIV	+	IX	=	fifty-six
4	+	XCVI	-	XXIV	=	seventy-six
75	+	XIV	-	LXVI	=	twenty-three
100	-	XLIX	-	XLV	=	six

Greater Depth

Use the Roman Numerals to write 4 calculations using addition and subtraction totalling **no more than 100**.

XCI	XLIX	XXIV
XXXIX	XIV	LXXIV

XCI = 91
 XLIX = 49
 XXIV = 24
 XXXIX = 39
 XIV = 14
 LXXIV = 74

Some possible answers:

$49 + 39 = 88$ (XLIX + XXXIX = LXXXVIII)

$74 + 24 = 98$ (LXXIV + XXIV = XCVIII)

$74 - 14 = 60$ (LXXIV - XIV = LX)

$91 - 39 = 52$ (XCI - XXXIX = LII)

There are many more possibilities!

Answers – Activity 2

Core skill

1. 32 to the nearest 10 = 30
2. 46 to the nearest 10 = 50
3. 54 to the nearest 10 = 50
4. 66 to the nearest 10 = 70
5. 71 to the nearest 10 = 70

Depth task – Complete the table below by rounding to the nearest 10.

Number	Nearest 10
782	780 rounds down
Ninety-two	90 rounds down
488	490 rounds up
One hundred and nine	110 rounds up
184	180 rounds down
Thirty-six	40 rounds up
Six hundred and thirteen	610 rounds down

Greater Depth

Incorrect:

Two hundred and sixteen rounds up to 220
204 rounds down to 200
212 rounds down to 210
214 rounds down to 210

Nearest ten is 210	Nearest ten is 220
211 Two hundred and sixteen 204 208 Two hundred and thirteen	212 Two hundred and fifteen 219 214 Two hundred and seventeen

Who is correct? Prove it.

Dustin says,



Nine hundred and eight-four to the nearest ten is nine hundred and eighty.

Ramaya says,

984 to the nearest ten is nine hundred and ninety.



Dustin is correct because 984 to the nearest ten is 980. 4 rounds down not up.

Answers – Activity 3

Core skill

1. 362 to the nearest 100 = 400
2. 565 to the nearest 100 = 600
3. 849 to the nearest 100 = 800
4. 623 to the nearest 100 = 600
5. 715 to the nearest 100 = 700

Depth task

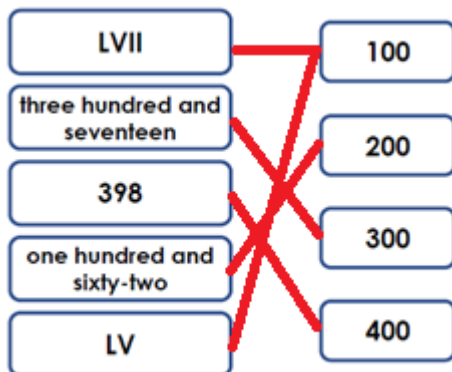
LV11 = 57 rounds up to 100

317 rounds down to 300

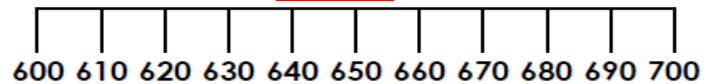
398 rounds up to 400

162 rounds up to 200

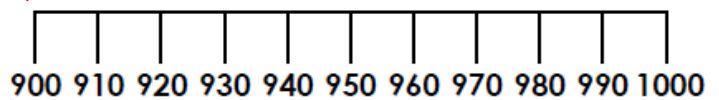
LV = 55 rounds up to 100



False - Six hundred and fifty-eight is closer to 600 than 700.

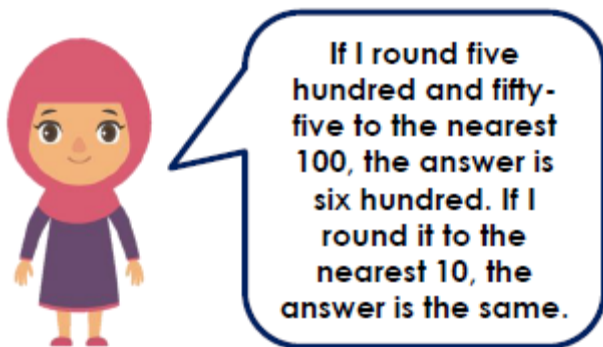


True - Nine hundred and forty-nine is closer to 900 than 1,000.



Greater Depth

Do you agree with Aisha? Explain why.



No, I do not agree with Aisha.



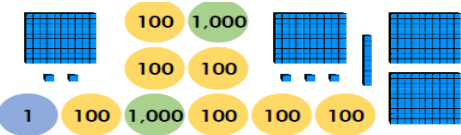
Aisha is correct that 555 rounded to the nearest 100 is 600 as it has 5 tens. However, 555 rounded to the nearest 10 would be 560, not 600.

Answers – Activity 4

Core skill

1. 2345 to the nearest 1000 = 2000
2. 3567 to the nearest 1000 = 4000
3. 4812 to the nearest 1000 = 5000
4. 5500 to the nearest 1000 = 6000
5. 6955 to the nearest 1000 = 7000

Depth task

Number	Nearest 10	Nearest 100	Nearest 1,000
	3,570	3,600	3,565 rounds up to 4,000
Six thousand, four hundred and fifty	6,450	6,500	6,450 rounds down to 6,000
	4,100	4,100	4,097 rounds down to 4,000
Two thousand, six hundred and seventy-four	2,670	2,700	2,674 rounds up to 3000
	3,120	3,100	3,116 rounds down to 3000

Greater Depth

A number is rounded to the nearest thousand.

The answer is 7,000.

What could the original number have been?

Give five possibilities.

What is the greatest number possible?

What is the smallest number possible?

Possible answers:

Any number between 6,500 and 7,499 is the correct answer.

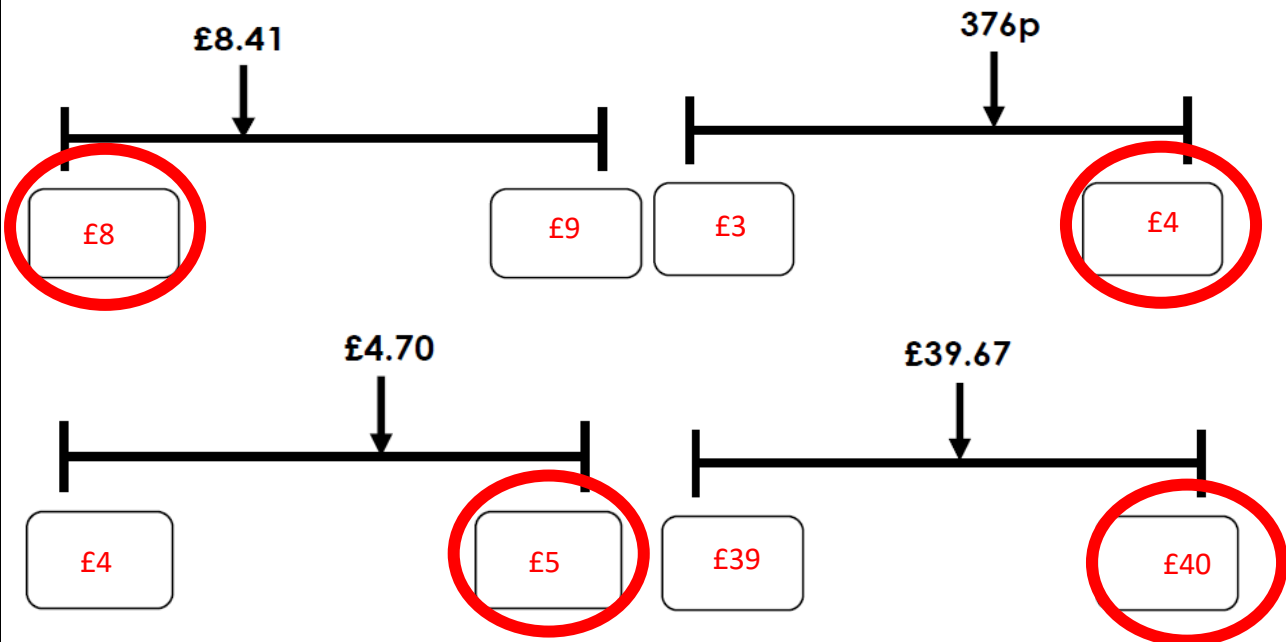
There are many possibilities.

Greatest: 7,499







Smallest: 6,500

Answers – Activity 5

Core skill - Which whole pound does the given amount come between? Round the amount to the nearest pound.









Depth task

	+		£7.00
79p		£7.19	
	+		£8.00
£1.76		£7.45	
	+		£9.00
£2.34		468p	

A = £1 + £7 = £8.00

B = £2 + £7 = £9.00

C = £2 + £5 = £7.00

	+		£22.00
1,359p		£15.49	
	+		£26.00
1,087p		£11.38	
	+		£29.00
£14.46		1,222p	

A = £14 + £15 = £29.00

B = £11 + £11 = £22.00

C = £14 + £12 = £26.00

Greater Depth

Mahammed had these digit cards. Find all the amounts he can make which round to £7.00.

3	6	7	8
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Possible answers:

£6.73

£6.78

£6.83

£6.87

£7.36

£7.38