# Varied Fluency
## Step 3: Round to the Nearest 100

## National Curriculum Objectives:

Mathematics Year 4: (4N4b) Round any number to the nearest 10, 100 or 1,000

## Differentiation:

**Developing** Questions to support rounding 3-digit numbers to the nearest 100 with the tens digit underlined. Numbers up to 1,000 used. Numbers represented using numerals. Conventional partitioning used.

**Expected** Questions to support rounding 3-digit numbers to the nearest 100. Numbers represented as numerals and words. Conventional partitioning used.

**Greater Depth** Questions to support rounding 3-digit numbers to the nearest 100. Numbers represented as numerals, words and Roman numerals. Unconventional partitioning used.

More Year 4 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

# Round to the Nearest 100

## Round to the Nearest 100

**1a.** Round the numbers below and draw lines to match them to the nearest 100.

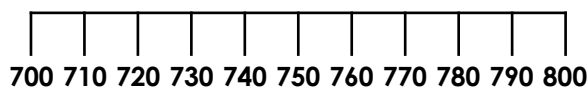| | |
|---|---|
| 4<u>3</u>3 | 200 |
| 1<u>8</u>7 | 300 |
| 4<u>0</u>1 | 400 |
| 3<u>4</u>5 | 500 |

VF

**1b.** Round the numbers below and draw lines to match them to the nearest 100.

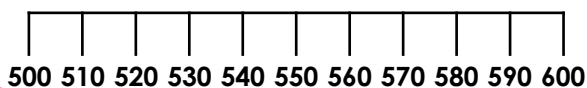| | |
|---|---|
| 8<u>6</u>1 | 700 |
| 9<u>8</u>6 | 800 |
| 7<u>2</u>0 | 900 |
| 6<u>5</u>0 | 1,000 |
| 8<u>1</u>2 | |

VF

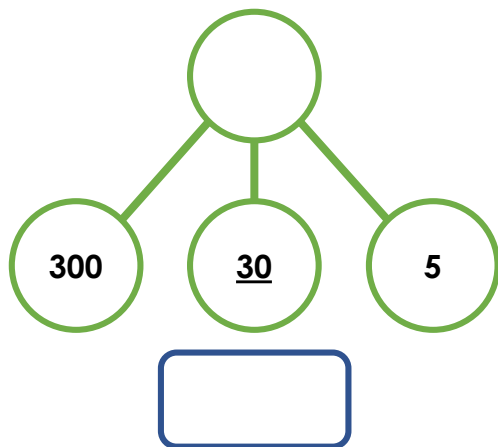**2a.** True or false?

7<u>2</u>1 is closer to 700 than 800

700 710 720 730 740 750 760 770 780 790 800

VF

**2b.** True or false?

5<u>5</u>6 is closer to 500 than 600

500 510 520 530 540 550 560 570 580 590 600
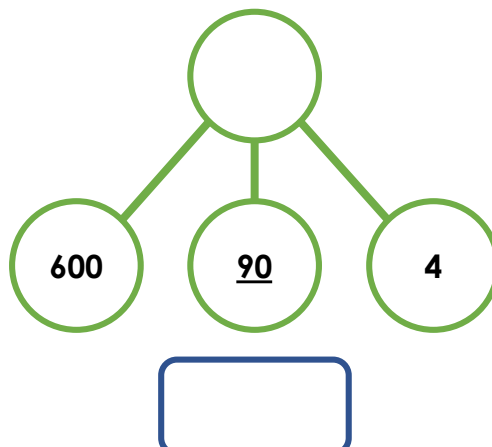
VF

**3a.** Complete the part whole model then round the number to the nearest 100.

300    <u>30</u>    5

VF

**3b.** Complete the part whole model then round the number to the nearest 100.

600    <u>90</u>    4

VF

**4a.** Complete the function machine by rounding each number to the nearest 100.

400, <u>7</u>0 and 1 → Round to the nearest 100 →

VF

**4b.** Complete the function machine by rounding each number to the nearest 100.

2<u>5</u>0 → Round to the nearest 100 →

VF

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**Varied Fluency – Round to the Nearest 100 – Developing**

# Round to the Nearest 100

**5a.** Round the numbers below and draw lines to match them to the nearest 100.

| | |
|---|---|
| 263 | 100 |
| One hundred and thirty-seven | 200 |
| 97 | 300 |
| 231 | 400 |
| three hundred and seventy-one | |

E      VF

# Round to the Nearest 100

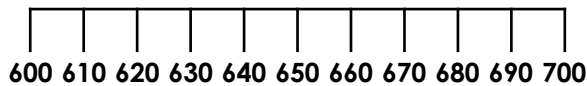**5b.** Round the numbers below and draw lines to match them to the nearest 100.

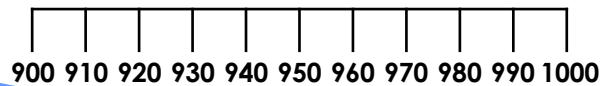| | |
|---|---|
| five hundred and two | 500 |
| 781 | 600 |
| 489 | 700 |
| seven hundred and three | 800 |
| five hundred and fifty-two | |

E      VF

**6a. True or false?**
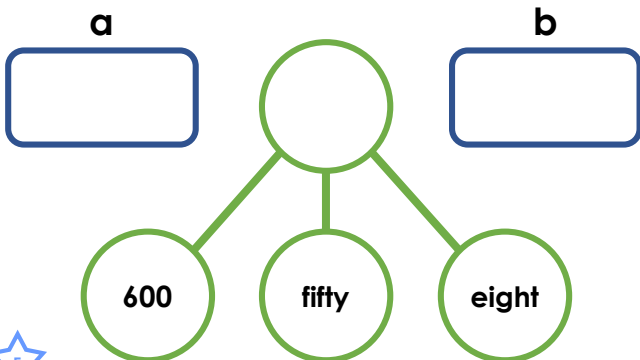
Six hundred and forty-eight is closer to 600 than 700

600 610 620 630 640 650 660 670 680 690 700

E      VF

**6b. 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

E      VF

**7a. Complete the part whole model then:**
a. round the number to the nearest 10
b. round the number to the nearest 100

a          b

600   fifty   eight

E      VF

**7b. Complete the part whole model then:**
a. round the number to the nearest 10
b. round the number to the nearest 100

a          b

400   twenty   8

E      VF

**8a. Complete the function machine by rounding each number to the nearest 100.**

300, 90 and 8 → Round to the nearest 100 →

E      VF

**8b. Complete the function machine by rounding each number to the nearest 100.**

two hundred and thirty-one → Round to the nearest 100 →

E      VF

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**Varied Fluency – Round to the Nearest 100 – Expected**
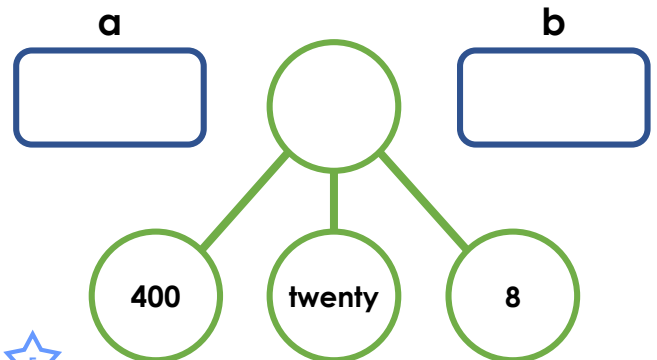
# Round to the Nearest 100

## Round to the Nearest 100

**9a.** Round the numbers below and draw lines to match them to the nearest 100.

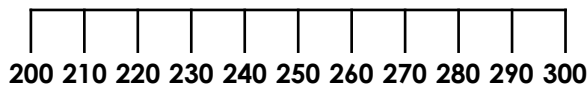| | |
|---|---|
| LVII | 100 |
| three hundred and seventeen | 200 |
| 398 | 300 |
| one hundred and sixty-two | 400 |
| LV | |

VF

**9b.** Round the numbers below and draw lines to match them to the nearest 100.

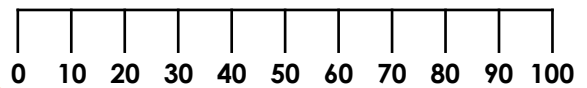| | |
|---|---|
| 803 | 700 |
| nine hundred and ninety-nine | 800 |
| 738 | 900 |
| 851 | 1,000 |
| seven hundred and sixty-five | |

VF

**10a. True or false?**
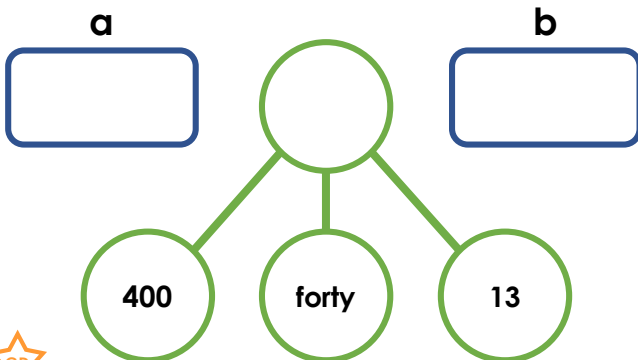Two hundred and ninety-five is closer to 200 than 300

200 210 220 230 240 250 260 270 280 290 300

VF

**10b. True or false?**
XCVI is closer to 0 than 100

0 10 20 30 40 50 60 70 80 90 100
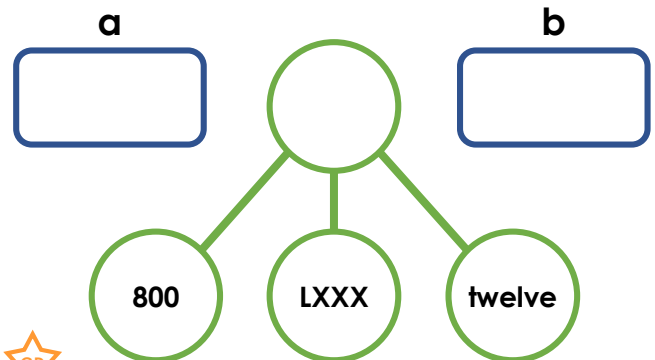
VF

**11a.** Complete the part whole model then:
a. round the number to the nearest 10
b. round the number to the nearest 100.

a          b

400     forty     13

VF

**11b.** Complete the part whole model then:
a. round the number to the nearest 10
b. round the number to the nearest 100.

a          b

800     LXXX     twelve

VF

**12a.** Complete the function machine by rounding each number to the nearest 100.

seven hundred and twenty-six → Round to the nearest 100 →

VF

**12b.** Complete the function machine by rounding each number to the nearest 100.

CLXXIII → Round to the nearest 100 →

VF

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**Varied Fluency – Round to the Nearest 100 – Greater Depth**

## Developing

**1a.** 400, 200, 400, 300,  500
**2a.** True
**3a.** 335 rounds down to 300.
**4a.** 500

## Expected

**5a.** 300, 100, 100, 200, 400
**6a.** True
**7a.** 658: a. 660, b. 700
**8a.** 400

## Greater Depth

**9a.** 100, 300, 400, 200, 100
**10a.** False. 295 is closer to 300.
**11a.** 453: a. 450, b. 500
**12a.** 700

## Developing

**1b.** 900, 1,000, 700, 700, 800
**2b.** False. 556 is closer to 600.
**3b.** 694 rounds up to 700.
**4b.** 300

## Expected

**5b.** 500, 800, 500, 700, 600
**6b.** True
**7b.** 428: a. 430, b. 400
**8b.** 200

## Greater Depth

**9b.** 800, 1,000, 700, 900, 800
**10b.** False XCVI (96) is closer to 100.
**11b.** 892: a. 890, b. 900
**12b.** 200

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## Varied Fluency – Round to the Nearest 100  ANSWERS