Round to the Nearest 10

We can round numbers to the nearest multiple of 10 (10, 20, 30 etc) to help calculate an estimated answer efficiently.

Eg.19 + 19

We can round 19 up to 20 so we can easily add 20 + 20 = 40 to give an estimated answer.

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Round to the Nearest 10

Try rounding the following numbers to the nearest multiple of 10.

21 rounds to
89 rounds to
92 rounds to
17 rounds to

Is the number closer to the lower multiple of 10 or the higher?
Does it round up or down?

Round to the Nearest 10

Try rounding to the nearest multiple of 10 using a 3 digit number.

Look at the tens column and the units column to help you decide if it will round up or down.

3**21** will round down to 320 as the tens and units number is closer to 20 than 30

4**59** will round up to 460 as the tens and units number is closer to 60 than 59.

Round to the Nearest 10

Try to round these numbers to the nearest multiple of 10.

321 rounds to

459 rounds to

632 rounds to

568 rounds to

Can you remember the rules for rounding a number if the number is half way between?

25 falls half way between 20 and 30

The rule is that if it falls half way, we always round up.

45 would round to 50

Can you remember the rules for rounding a number if the number is half way between?

Try these.
Remember to round up:

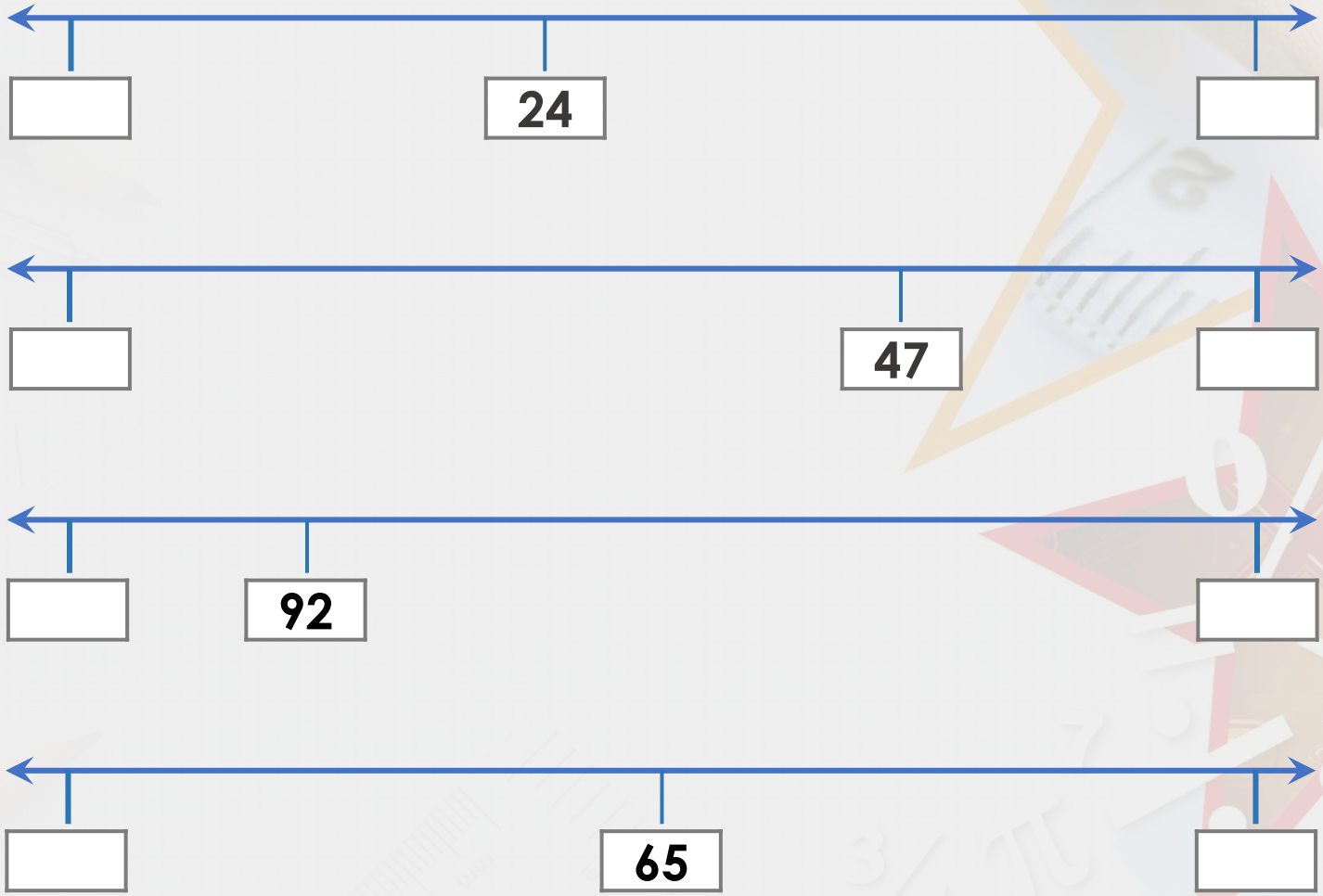
65 rounds to

95 rounds to

35 rounds to

Introduction

Which multiples of 10 are these numbers between?



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Introduction

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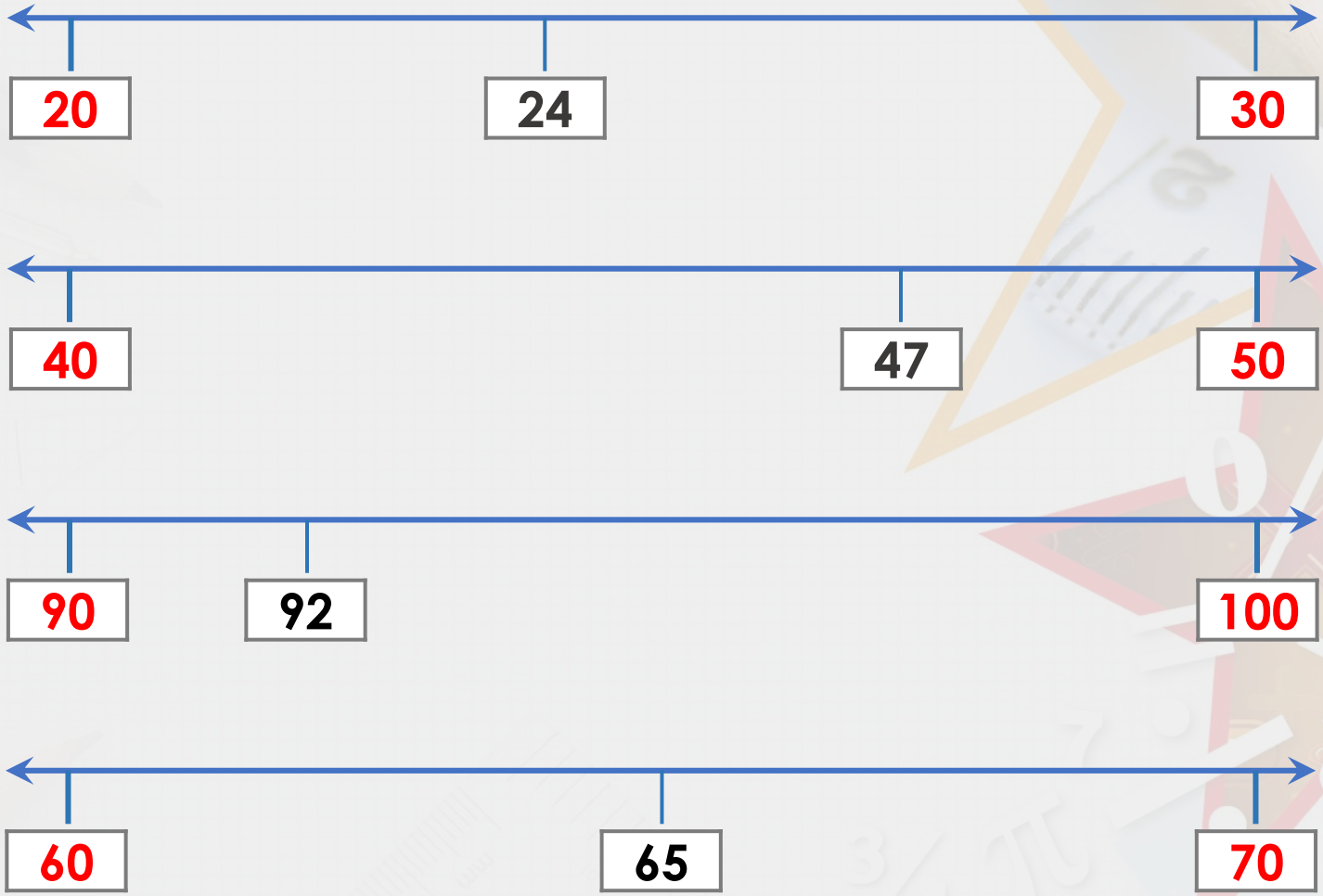

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Varied Fluency 1

Circle the numbers that round to 80.

ninety-four		83	68
	seventy-five	179	78
85	65		eight-two
seventy-nine		81	181

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Varied Fluency 1

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Varied Fluency 2

True or false?

Four hundred and seventy-eight to the nearest ten is four hundred and seventy.

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True or false?

Four hundred and seventy-eight to the nearest ten is four hundred and seventy.

False. It is nearest to Four hundred and eighty.

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Varied Fluency 3

Complete the table below.

Number	Nearest 10
841	
sixty-three	
654	
five hundred and fifty-five	

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Varied Fluency 3

Complete the table below.

Number	Nearest 10
841	840
sixty-three	sixty
654	650
five hundred and fifty-five	five hundred and sixty

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Varied Fluency 4

Sort these numbers into the table below.

217 231 225

223 219 233

Rounds to 220	Rounds to 230

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Varied Fluency 4

Sort these numbers into the table below.

217 231 225

223 219 233

Rounds to 220	Rounds to 230
217	231
223	225
219	233

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Reasoning 1

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

Nearest ten is 360	Nearest ten is 370
355	373
364	three hundred and sixty-nine
three hundred and sixty-six	371
361	379
three hundred and fifty-four	three hundred and seventy-two

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Reasoning 1

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

Nearest ten is 360	Nearest ten is 370
355	373
364	three hundred and sixty-nine
three hundred and sixty-six	371
361	379
three hundred and fifty-four	three hundred and seventy-two

Three hundred and sixty-six; three hundred and fifty-four and 379 are incorrect because…

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Reasoning 1

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Nearest ten is 360	Nearest ten is 370
355	373
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three hundred and sixty-six	371
361	379
three hundred and fifty-four	three hundred and seventy-two

Three hundred and sixty-six; three hundred and fifty-four and 379 are incorrect because three hundred and sixty-six rounds to 370, three hundred and fifty-four rounds to 350 and 379 rounds to 380.

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Reasoning 2

Who is correct?
Prove it.

Amanda

Seven hundred and fifteen to the nearest ten is seven hundred and twenty.

Seven hundred and fifteen to the nearest ten is seven hundred and ten.

Philip

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Reasoning 2

Who is correct?
Prove it.

Amanda

Seven hundred and fifteen to the nearest ten is seven hundred and twenty.

Seven hundred and fifteen to the nearest ten is seven hundred and ten.

Philip

Amanda is correct because…

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Reasoning 2

Who is correct?
Prove it.

Amanda

Seven hundred and fifteen to the nearest ten is seven hundred and twenty.

Seven hundred and fifteen to the nearest ten is seven hundred and ten.

Philip

Amanda is correct because 715 rounds to 720 – 5 rounds up.

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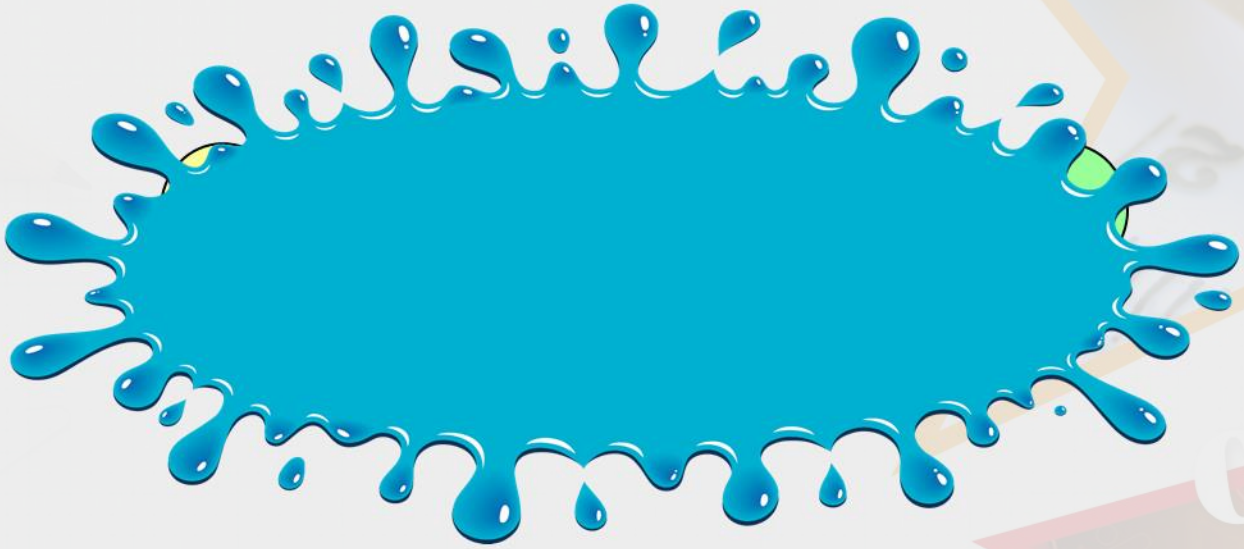
Problem Solving 1

The number represented by the place value counters that are hidden behind the splat can be rounded to 150.



There are fewer than 10 counters. What could they be? Show all the possibilities by drawing the place value counters.

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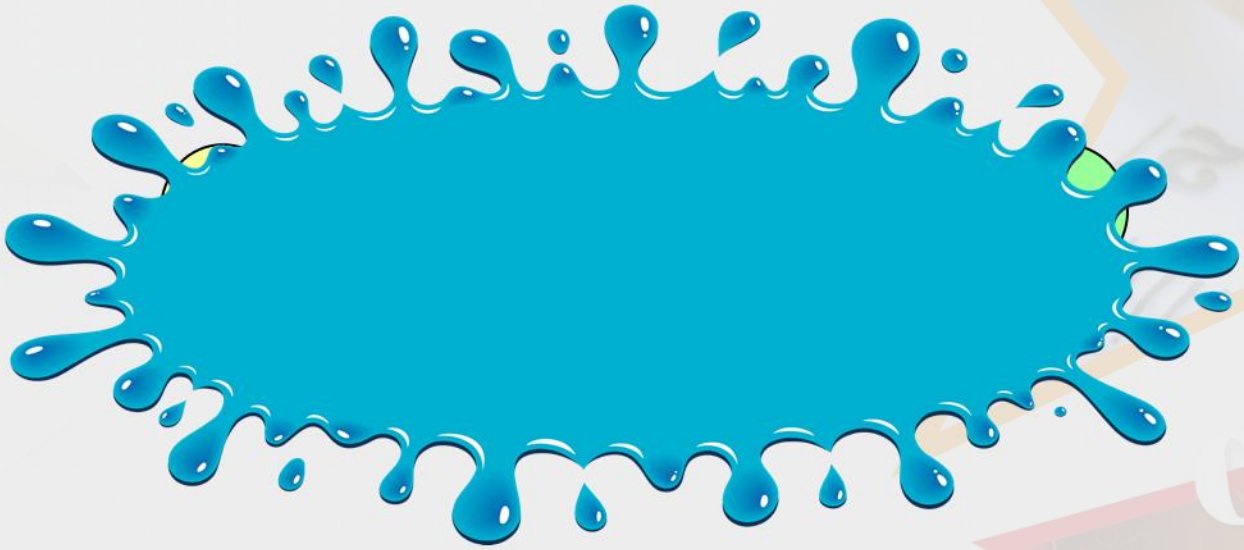

There are fewer than 10 counters. What could they be? Show all the possibilities by drawing the place value counters.

The place value counters could represent 150; 151; 152 or 153.

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