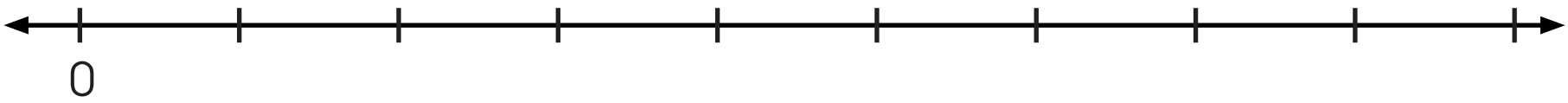
Number Lines by 5s



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Car Problem

Evan needs to pack some model cars. He just finished packing 8 cars in 1 box. He has 6 boxes. Evan uses a number line and chart to help him determine the number of cars he can pack. How many cars can he pack if he has 6 boxes? How do you know?

Boxes	Cars	Addition Sentence	Multiplication Equation	Total Cars	Think Aloud
1	8			8	1 box of 8 cars is equal to 8 total cars.
2	8			16	2 groups of 8 can be thought of as 8 + 8 or 2 x 8, which equal 16.
3	8			24	___ groups of 8 can be thought of as _____ or _____, which equal ___.
	8				___ groups of 8 can be thought of as _____ or _____, which equal ___.
	8				___ groups of 8 can be thought of as _____ or _____, which equal ___.

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Car Problem (cont.)

Boxes	Cars	Addition Sentence	Multiplication Equation	Total Cars	Think Aloud
	8				___ groups of 8 can be thought of as _____ or _____, which equal ___.
	8				___ groups of 8 can be thought of as _____ or _____, which equal ___.

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Practice

1. I can type 50 words per minute. How many words can I type in 8 minutes?

Minutes	Words	Addition Sentence	Multiplication Sentence	Total
1	50	none	1 x 50 = 50	50
2	50	50 + 50		100
3	50			150
4				
5				
6				
7				
8				
9				

I can type _____ words in 8 minutes.

Create a number line to check your work.

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Practice (cont.)

2. 3 feet are in every yard. Mom bought 6 yards of material. Draw a number line to show how many feet of material she bought.

Mom bought _____ feet of material.

Complete the table to check your work.

Yards	Feet	Addition Sentence	Multiplication Sentence	Total
1	3	none	1 x 3 = 3	3
2	3	3 + 3		6
3				9
4				
5				
6				

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Name: _____

Independent Practice

1. David has 5 sheet protectors with 8 baseball cards in each sheet. How many baseball cards does he have altogether?

Sheets	Cards	Addition Sentence	Multiplication Sentence	Total
1	8			
2	8			
3	8			
4	8			
5	8			
6	8			
7	8			

David has _____ baseball cards altogether.

2. Jane's spelling quiz has 7 questions. Each question is worth 11 points. How many possible points are there on Jane's quiz?

There are _____ possible points on Jane's quiz

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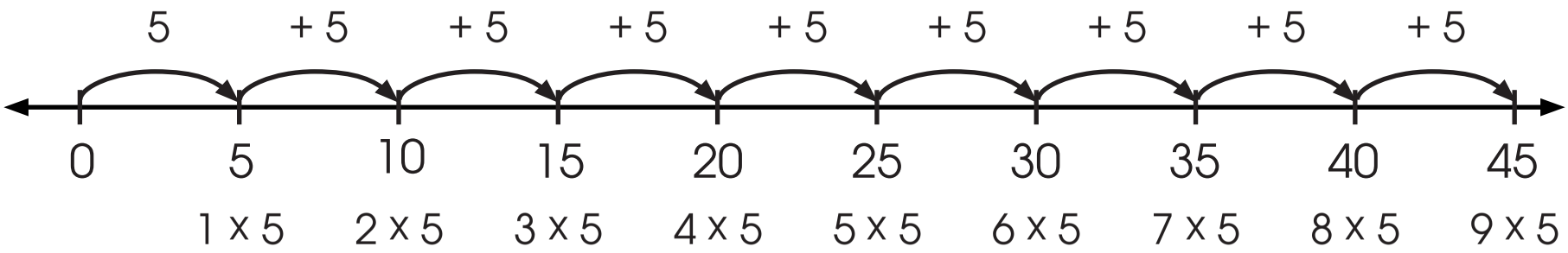
Answer Key: Number Lines by 5s



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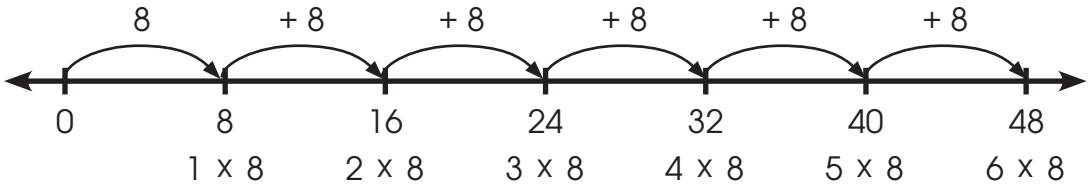
Answer Key: Car Problem

Evan needs to pack some model cars. He just finished packing 8 cars in 1 box. He has 6 boxes. Evan uses a number line and chart to help him determine the number of cars he can pack. How many cars can he pack if he has 6 boxes? How do you know?



Boxes	Cars	Addition Sentence	Multiplication Equation	Total Cars	Think Aloud
1	8	none	1 x 8 = 8	8	1 box of 8 cars is equal to 8 total cars.
2	8	8 + 8	2 x 8 = 16	16	2 groups of 8 can be thought of as 8 + 8 or 2 x 8, which equal 16.
3	8	8 + 8 + 8	3 x 8 = 24	24	3 groups of 8 can be thought of as 8 + 8 + 8 or 3 x 8, which equal 24.
4	8	8 + 8 + 8 + 8	4 x 8 = 32	32	4 groups of 8 can be thought of as 8 + 8 + 8 + 8 or 4 x 8, which equal 32.
5	8	8 + 8 + 8 + 8 + 8	5 x 8 = 40	40	5 groups of 8 can be thought of as 8 + 8 + 8 + 8 + 8 or 5 x 8, which equal 40.

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Car Problem (cont.)

Boxes	Cars	Addition Sentence	Multiplication Equation	Total Cars	Think Aloud
6	8	8 + 8 + 8 + 8 + 8 + 8	6 x 8 = 48	48	6 groups of 8 can be thought of as 8 + 8 + 8 + 8 + 8 + 8 or 6 x 8, which equal 48.

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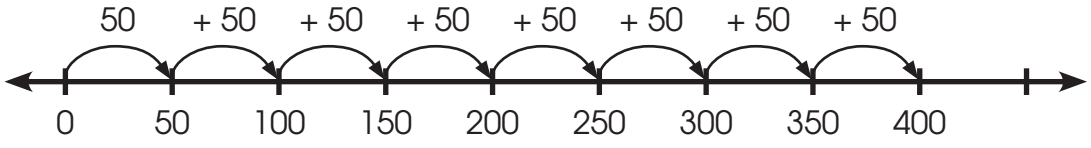
Answer Key: Practice

1. I can type 50 words per minute. How many words can I type in 8 minutes?

Minutes	Words	Addition Sentence	Multiplication Sentence	Total
1	50	none	1 x 50 = 50	50
2	50	50 + 50	2 x 50 = 100	100
3	50	50 + 50 + 50	3 x 50 = 150	150
4	50	50 + 50 + 50 + 50	4 x 50 = 200	200
5	50	50 + 50 + 50 + 50 + 50	5 x 50 = 250	250
6	50	50 + 50 + 50 + 50 + 50 + 50	6 x 50 = 300	300
7	50	50 + 50 + 50 + 50 + 50 + 50 + 50	7 x 50 = 350	350
8	50	50 + 50 + 50 + 50 + 50 + 50 + 50 + 50	8 x 50 = 400	400

I can type 400 words in 8 minutes.

Create a number line to check your work.



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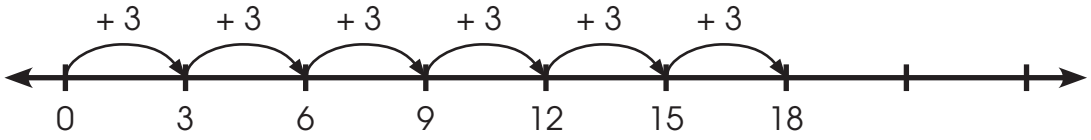
Answer Key: Practice (cont.)

2. 3 feet are in every yard. Mom bought 6 yards of material. Draw a number line to show how many feet of material she bought.



Mom bought 18 feet of material.

Complete the table to check your work.

Yards	Feet	Addition Sentence	Multiplication Sentence	Total
1	3	none	1 x 3 = 3	3
2	3	3 + 3	2 x 3 = 6	6
3	3	3 + 3 + 3	3 x 3 = 9	9
4	3	3 + 3 + 3 + 3	4 x 3 = 12	12
5	3	3 + 3 + 3 + 3 + 3	5 x 3 = 15	15
6	3	3 + 3 + 3 + 3 + 3 + 3	6 x 3 = 18	18

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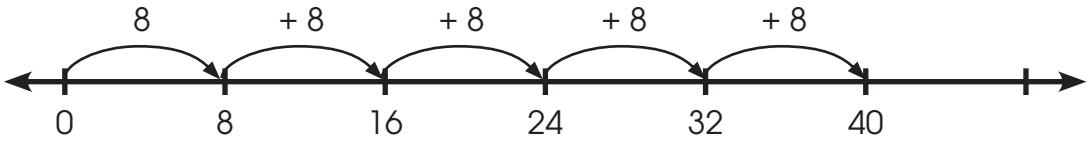
Answer Key: Independent Practice

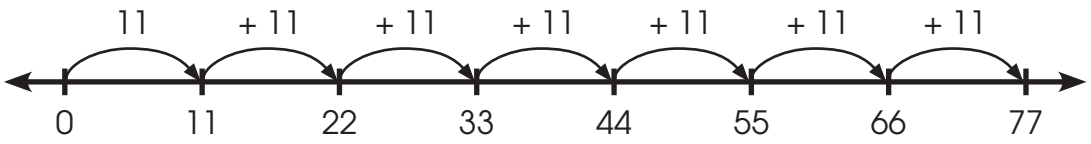
1. David has 5 sheet protectors with 8 baseball cards in each sheet. How many baseball cards does he have altogether?

Sheets	Cards	Addition Sentence	Multiplication Sentence	Total
1	8	none	1 x 8 = 8	8
2	8	8 + 8	2 x 8 = 16	16
3	8	8 + 8 + 8	3 x 8 = 24	24
4	8	8 + 8 + 8 + 8	4 x 8 = 32	32
5	8	8 + 8 + 8 + 8 + 8	5 x 8 = 40	40

David has 40 baseball cards altogether.



2. Jane's spelling quiz has 7 questions. Each question is worth 11 points. How many possible points are there on Jane's quiz?



There are 77 possible points on Jane's quiz

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