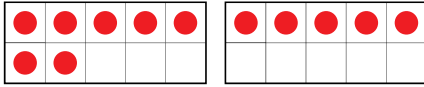


Student Activity Book

Reasoning from Known Facts (SAB pp. 61–64)
Questions 1–7

1. Possible strategies:



$$\begin{array}{r} 7 + 5 \\ \swarrow \quad \searrow \\ (7 + 3) + 2 \\ 10 + 2 = 12 \end{array}$$



2. Possible response:

$8 + 8 = 16$ so $8 + 9$ is one more or 17.

3.

$$\begin{array}{r} 6 \quad + \quad 8 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 5 + 1 \quad + \quad 3 + 5 \\ (5 + 5) \quad + \quad 1 + 3 \\ 10 \quad + \quad 4 = 14 \end{array}$$

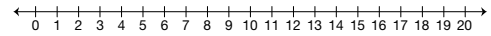
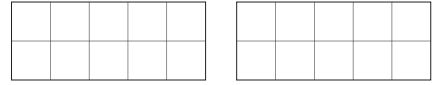
4.

Rule: Doubles + 1	
Number	Number sentences
6	$6 + 6 + 1 = 13$
4	$4 + 4 + 1 = 9$
3	$3 + 3 + 1 = 7$
12	$12 + 12 + 1 = 25$

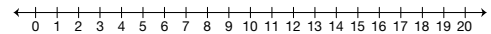
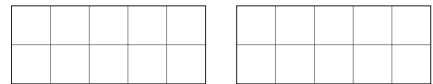
Name _____ Date _____

Reasoning From Known Facts

1. Show or tell how to solve $7 + 5$.



2. Show or tell how to solve $8 + 9$.



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Name _____ Date _____

3. Ming started to solve $6 + 8$. Help him finish his strategy.

I know $5 + 5 = 10$.

4. Solve each problem. Write a number sentence to show your strategy.


Rule: Doubles + 1	
Number	Number sentence
6	
4	
3	
12	

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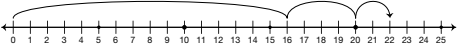
Name _____ Date _____

5. Irma had 16 leaves in her collection. Her brother found 6 more to add to her collection. How many leaves does Irma have now? Help Irma complete her strategy below.



I have 16.
I have to add 6 more.
 $16 + 6$

What number do I put with 16 to make 20?
 $16 + \square = 20$

How can I split 6 to get the partner number for 16?


$16 + 4 + 2 = \square$

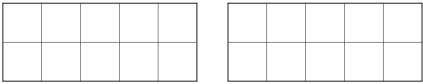
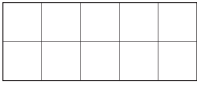
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Workshop: Reasoning From Known Facts SAB • Grade 2 • Unit 1 • Lesson 9 63

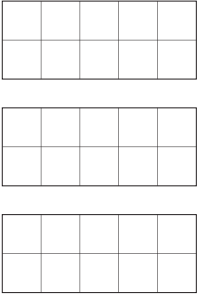
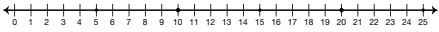
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Name _____ Date _____

6. Show Irma how to solve $16 + 6$ using ten frames.

7. Show or tell how to solve $13 + 9$.





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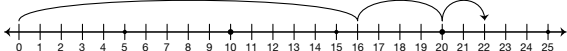
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5.



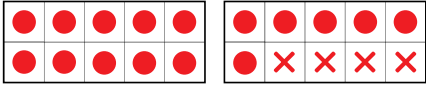
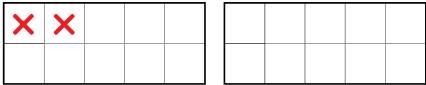
I have 16.
I have to add 6 more.
 $16 + 6$

What number do I put with 16 to make 20?
 $16 + 4 = 20$

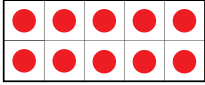
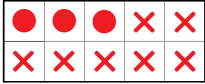
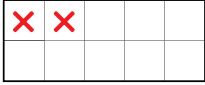
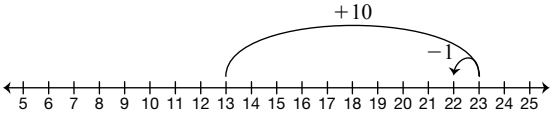
How can I split 6 to get the partner number for 16?


$16 + 4 + 2 = 22$

6.

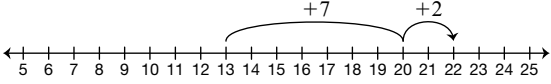



7.

$13 + 10 - 1 = 22$

or



$13 + 7 + 2 = 22$

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