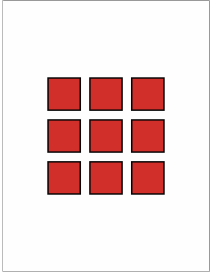


# Mathematics Task 1: Perfect Squares

## Materials and Setup

### Item 1

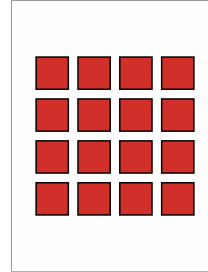


$3 \times 3$

$9 \times 1$

$3 \times 9$

### Item 2

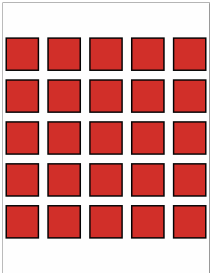


$16 \times 1$

$4 \times 16$

$4 \times 4$

### Item 3

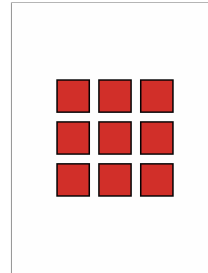


$5 \times 25$

$5 \times 5$

$25 \times 1$

### Item 4

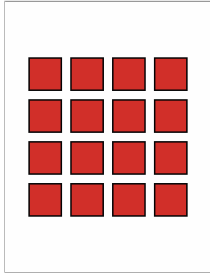


$3$

$6$

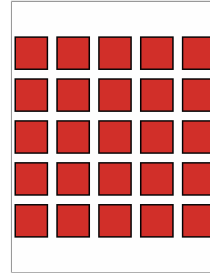
$7$

Item 5



15   8   4

Item 6



5   20   10

**Adaptive Instructions**

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N/A (Not Applicable) (Item 1, 2, 3, 4, 5, 6)

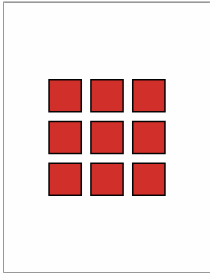
**Access Limitations**

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N/A (Not Applicable) (Item 1, 2, 3, 4, 5, 6)

Perfect Squares: Item 1

Setup



$3 \times 3$ 
  $9 \times 1$ 
  $3 \times 9$

Script

Say: *We're going to work with perfect squares.*

Say: *Show (tell) me if this* (indicate the nine squares poster) *is a perfect square because it shows: three times three* (indicate the  $3 \times 3$  sentence strip), *nine times one* (indicate the  $9 \times 1$  sentence strip), *or three times nine* (indicate the  $3 \times 9$  sentence strip)?

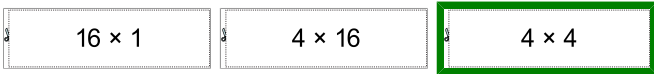
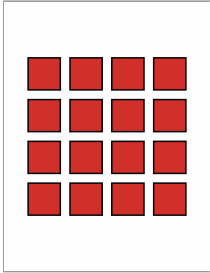
TRY 1		
	Record 2	Next Item
	Remove Incorrect Student Response	TRY 2
	Remove <input type="text" value="3 x 9"/>	TRY 2

TRY 2		
<i>Show (tell) me if this</i> (indicate the nine squares poster) <i>is a perfect square because it shows:</i> (indicate each remaining option in the original order of presentation)?		
	Record 1	Next Item
	Record 0	Next Item
	Record N	Next Item

Perfect Squares: Item 2

Setup



Script

Say: **Show (tell) me if this** (indicate the sixteen squares poster) **is a perfect square because it shows: sixteen times one** (indicate the  $16 \times 1$  sentence strip), **four times sixteen** (indicate the  $4 \times 16$  sentence strip), **or four times four** (indicate the  $4 \times 4$  sentence strip)?

**TRY 1**

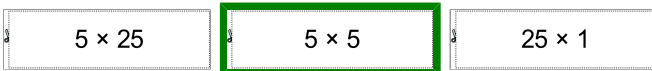
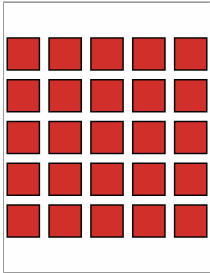
	→	Record 2	→	Next Item
	→	Remove Incorrect Student Response	→	<b>TRY 2</b>
	→	Remove <input type="text" value="16 x 1"/>	→	<b>TRY 2</b>

**TRY 2** *Show (tell) me if this* (indicate the sixteen squares poster) **is a perfect square because it shows:** (indicate each remaining option in the original order of presentation)?

	→	Record 1	→	Next Item
	→	Record 0	→	Next Item
	→	Record N	→	Next Item

Perfect Squares: Item 3

Setup



Script

Say: **Show (tell) me if this** (indicate the twenty-five squares poster) **is a perfect square because it shows: five times twenty-five** (indicate the  $5 \times 25$  sentence strip), **five times five** (indicate the  $5 \times 5$  sentence strip), **or twenty-five times one** (indicate the  $25 \times 1$  sentence strip)?

**TRY 1**

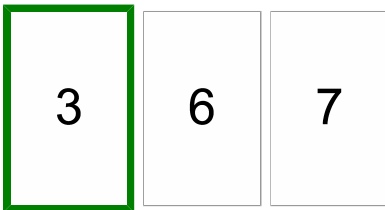
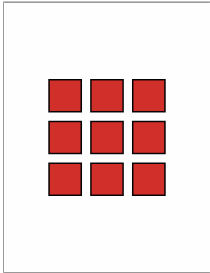
	→	Record 2	→	Next Item
	→	Remove Incorrect Student Response	→	<b>TRY 2</b>
	→	Remove <input type="text" value="25 x 1"/>	→	<b>TRY 2</b>

**TRY 2** *Show (tell) me if this* (indicate the twenty-five squares poster) **is a perfect square because it shows:** (indicate each remaining option in the original order of presentation)?

	→	Record 1	→	Next Item
	→	Record 0	→	Next Item
	→	Record N	→	Next Item

Perfect Squares: Item 4




Setup






Script

Say: **Show (tell) me if this** (indicate the 9 squares poster) **shows the perfect square of :three** (indicate the 3 card), **six** (indicate the 6 card), **or seven** (indicate the 7 card)?

**TRY 1**

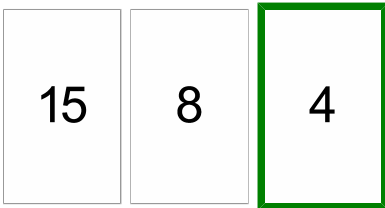
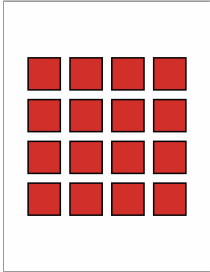
	→	Record 2	→	Next Item
	→	Remove Incorrect Student Response	→	<b>TRY 2</b>
	→	Remove 6	→	<b>TRY 2</b>

**TRY 2** *Show (tell) me is this* (indicate the 9 squares poster) *shows the perfect square of:* (indicate each remaining option in the original order of presentation)?

	→	Record 1	→	Next Item
	→	Record 0	→	Next Item
	→	Record N	→	Next Item

Perfect Squares: Item 5

Setup



Script

Say: **Show (tell) me if this** (indicate the 16 squares poster) **shows the perfect square of: fifteen** (indicate the 15 card), **eight** (indicate the 8 card), **or four** (indicate the 4 card)?

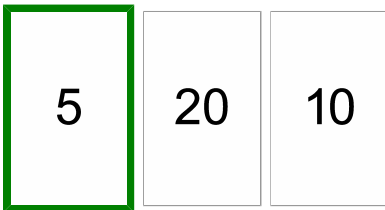
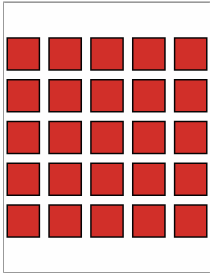
TRY 1		
	Record 2	Next Item
	Remove Incorrect Student Response	TRY 2
	Remove 15	TRY 2

TRY 2		
<b>Show (tell) me if this</b> (indicate the 16 squares poster) <b>shows the perfect square of:</b> (indicate each remaining option in the original order of presentation)?		
	Record 1	Next Item
	Record 0	Next Item
	Record N	Next Item

Perfect Squares: Item 6

Setup



Script

Say: **Show (tell) me if this** (indicate the 25 squares poster) **shows the perfect square of: five** (indicate the 5 card), **twenty** (indicate the 20 card), **or ten** (indicate the 10 card)?

At the completion of the task say: **We're finished working with perfect squares.**

TRY 1		
	Record 2	Next Item
	Remove Incorrect Student Response	TRY 2
	Remove 20	TRY 2

TRY 2		
<b>Show (tell) me if this</b> (indicate the 25 squares poster) <b>shows the perfect square of:</b> (indicate each remaining option in the original order of presentation)?		
	Record 1	Next Item
	Record 0	Next Item
	Record N	Next Item