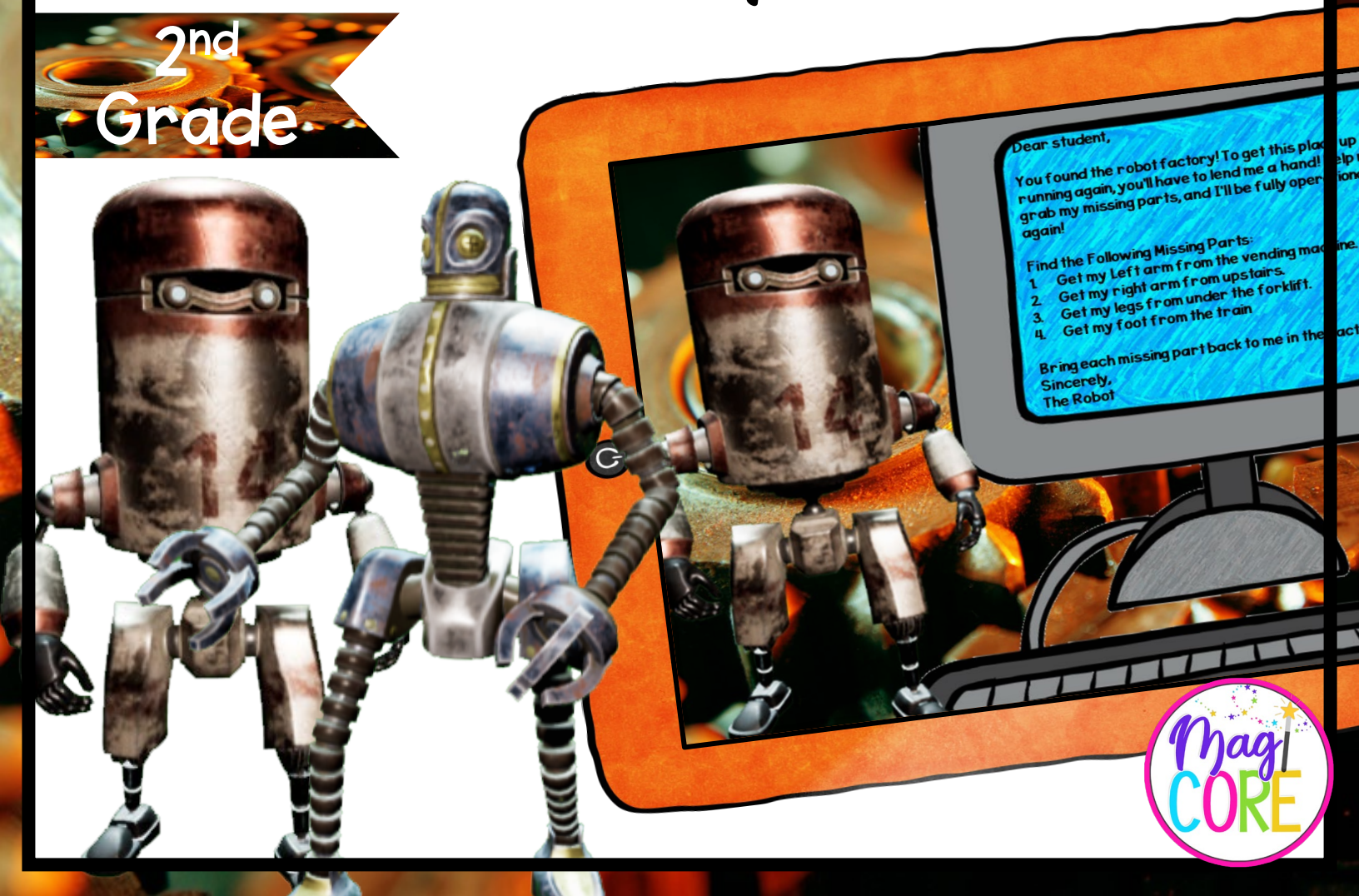
Add and Subtract Four Numbers

Robot Escape Room

2nd Grade



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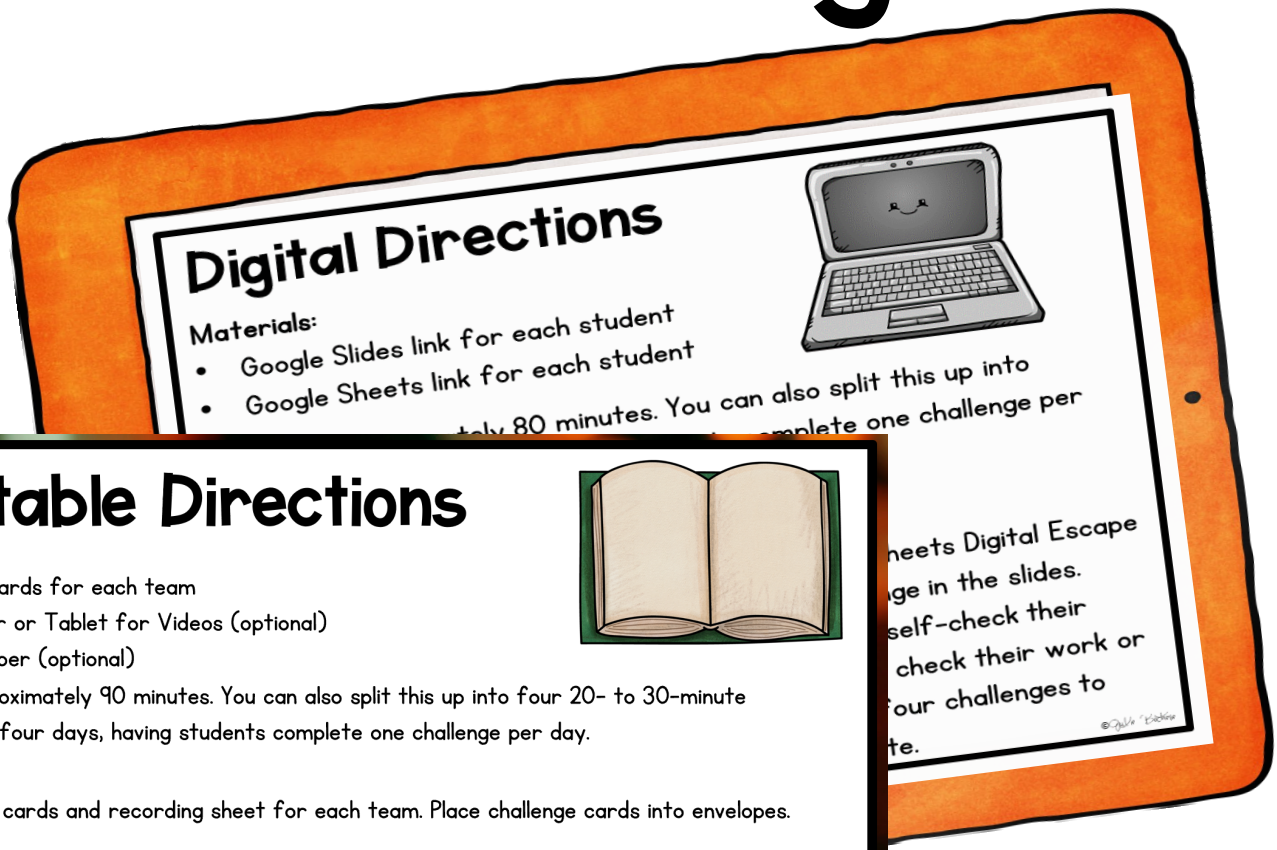


Print Friendly Version

Challenge #1

1. Solve each "add 4 numbers" problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot arm to the factory.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.

Scan the QR code or click here to view the video.

1.
```
  27
  34
  15
+ 44
```

a. 100
b. 129
c. 110
d. 120

2.
```
  32
  51
  28
+ 36
```

a. 137
b. 127
c. 117
d. 126

3.
```
  14
  58
  26
+ 35
```

5.
```
  72
  48
  41
+ 34
```

Challenge #3

1. Solve each "find the mistake" problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot legs to the factory.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #4.

1. What mistake did the student make when adding the numbers?

56 + 59 + 31 + 63 = 219

```
  50 + 6
  50 + 9
  30 + 1
+ 60 + 3
200 + 19 = 219
```

a. The student added an extra 10 when adding the tens together.
b. The student added 6 + 9 + 1 + 3 incorrectly.
c. The student added 200 + 19 incorrectly.
d. The student forgot to regroup the 10 when adding the numbers in the one's place.

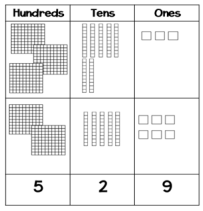
2. What mistake did the student make when subtracting the numbers?

97 - 49 - 11 - 23 = 14

```
  80   17
  90 + 7
  40 + 9
  10 + 1
- 20 + 3
  10 + 4 = 14
```

a. The student subtracted the tens place incorrectly.
b. The student forgot to ungroup a ten from the tens place.
c. The student subtracted the ones place incorrectly.
d. The student did not make a mistake.

3. What mistake did the student make when adding the place value blocks?



a. The student added the ones incorrectly.
b. The student forgot to add an extra hundred after they regrouped the tens.
c. The student forgot to add an extra ten after they regrouped the ones.
d. The student added the hundreds incorrectly.

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Four Add & Subtract Skills Challenges

Challenge #4

1. Solve the word problems.
2. Use your answers to get the robot's foot.
3. Add the foot to your factory to complete the robot and reset the patrol bots.

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Challenges Assess Various Skills

Challenge #4

1. Solve each word problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot foot to the factory.
5. Scan the QR code at the bottom of the next page.
6. Build the robot and reset the patrol bots!

1. Rosalie wrote a song that was 564 words long. Erin wrote a song that was 497 words long. How much longer is Rosalie's song than Erin's?

Show Your Work

a. 33 words
b. 167 words
c. 67 words
d. 57 words

2. The band has $296 saved for equipment. Amad needs a new guitar and a new microphone. The guitar costs $182. The microphone costs $128. Does he have enough money to pay for both items?

Show Your Work

a. Yes, he has enough money, and some left over.
b. Yes, he has exactly enough money for both items.
c. No, he doesn't have enough money for either item.
d. No, he only has enough money for one of the items.

3. Lucetta needs to buy two tickets for her parents to attend Battle of the Bands and one food package for them. If the tickets cost $47 each and the food package costs $35, how much money will she spend on the two tickets and one food package?

Show Your Work

a. $119
b. $82
c. $129
d. $109

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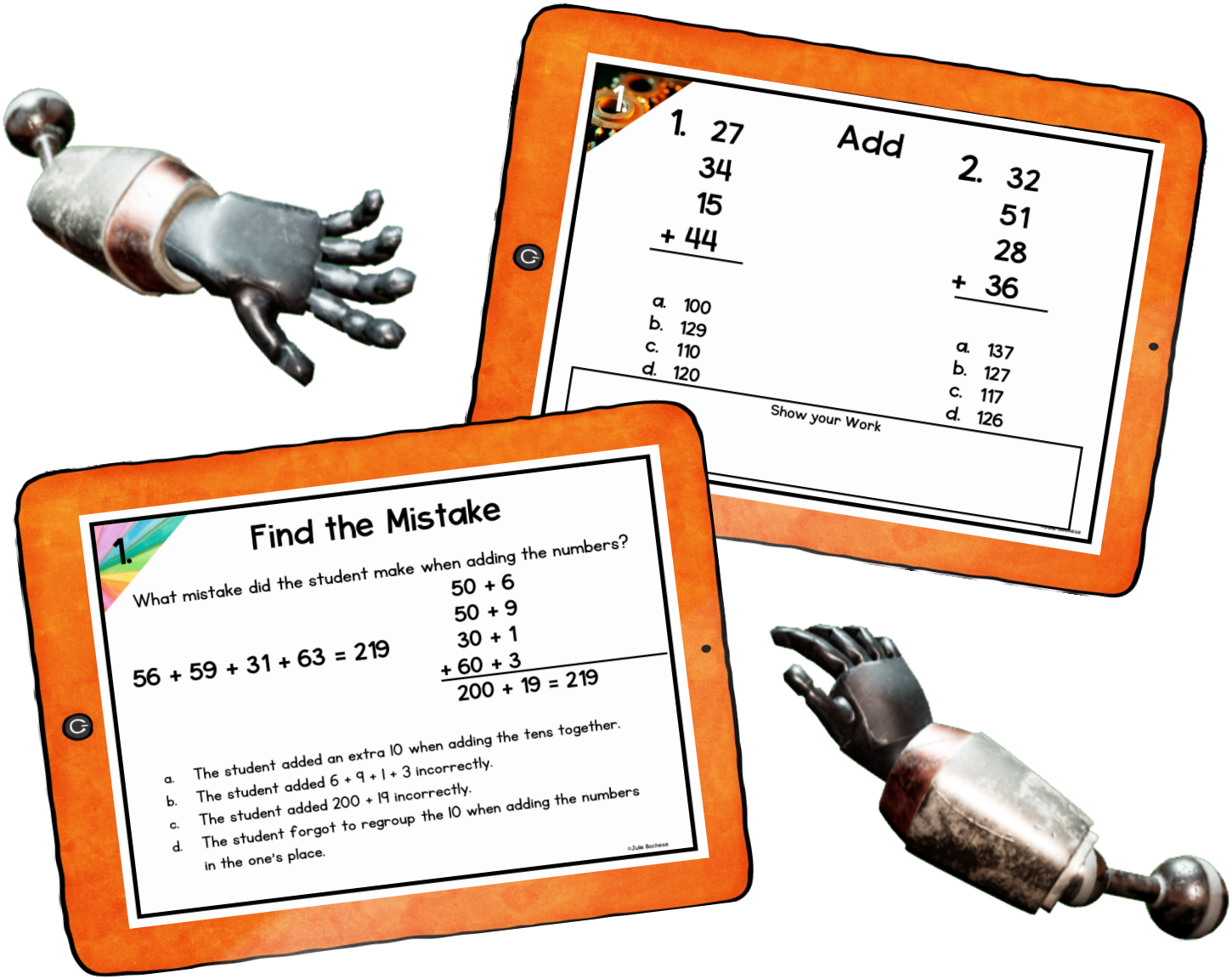
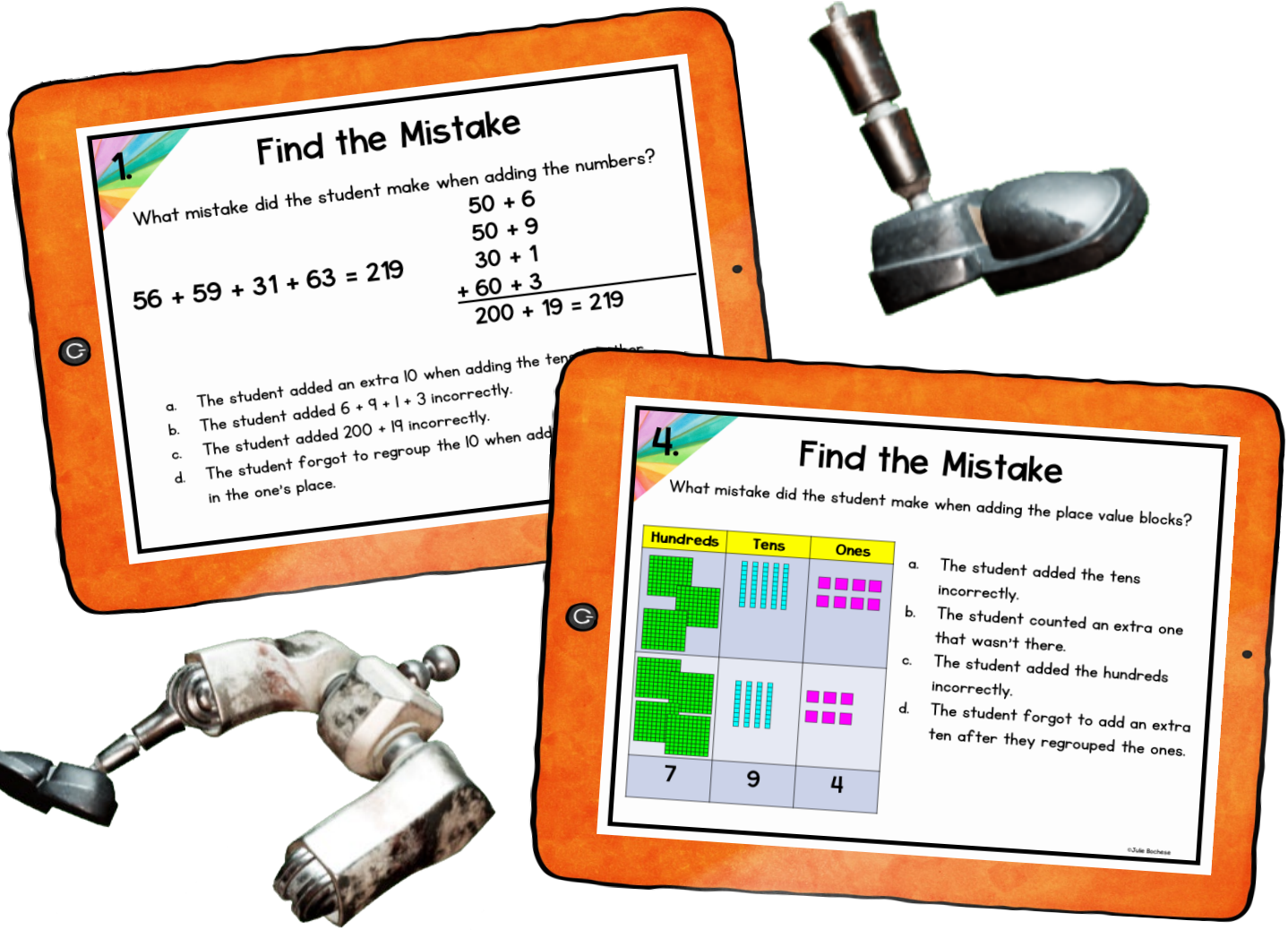
Videos Tell the Story

Practice Questions

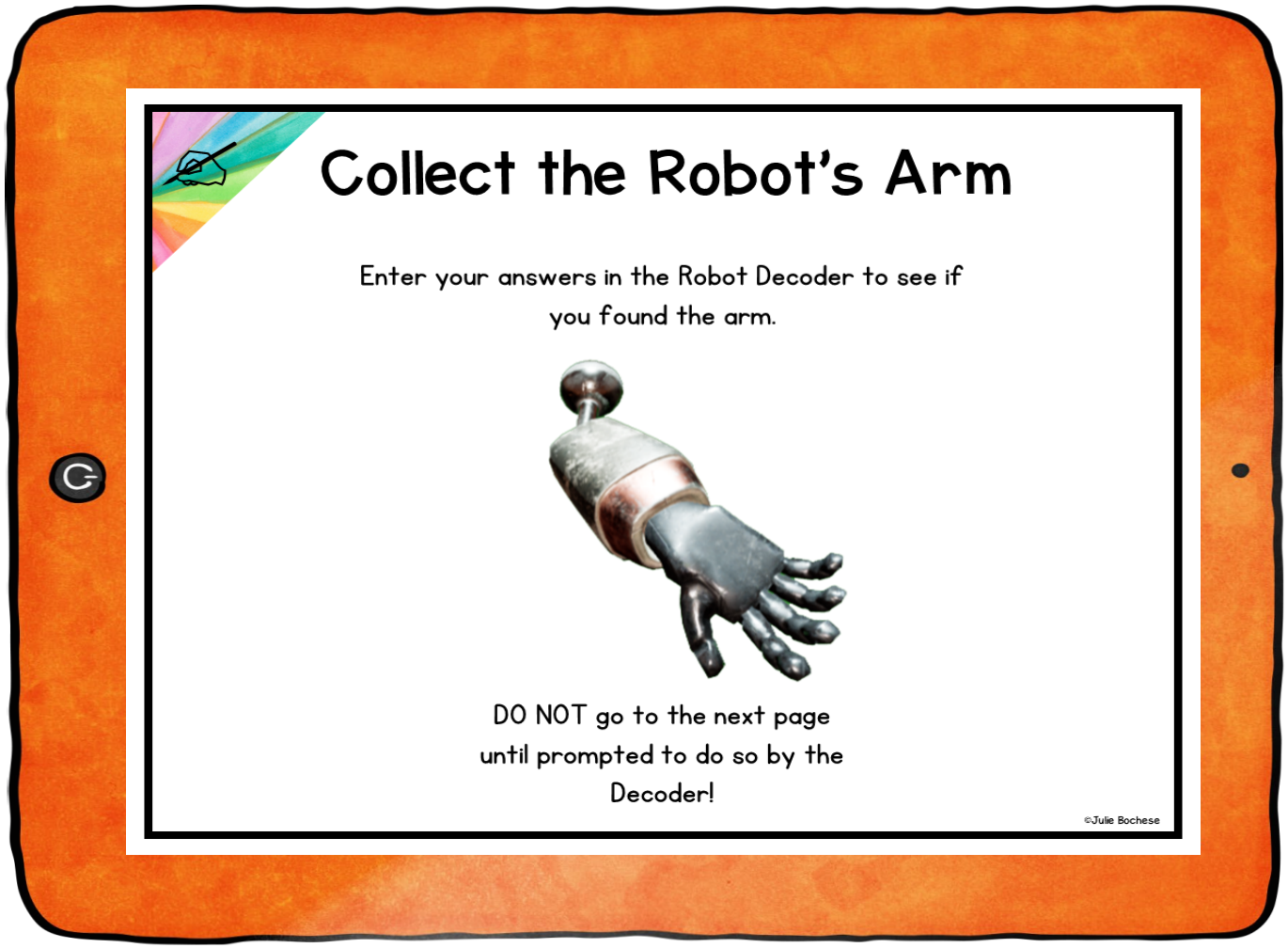


Application Questions Sets

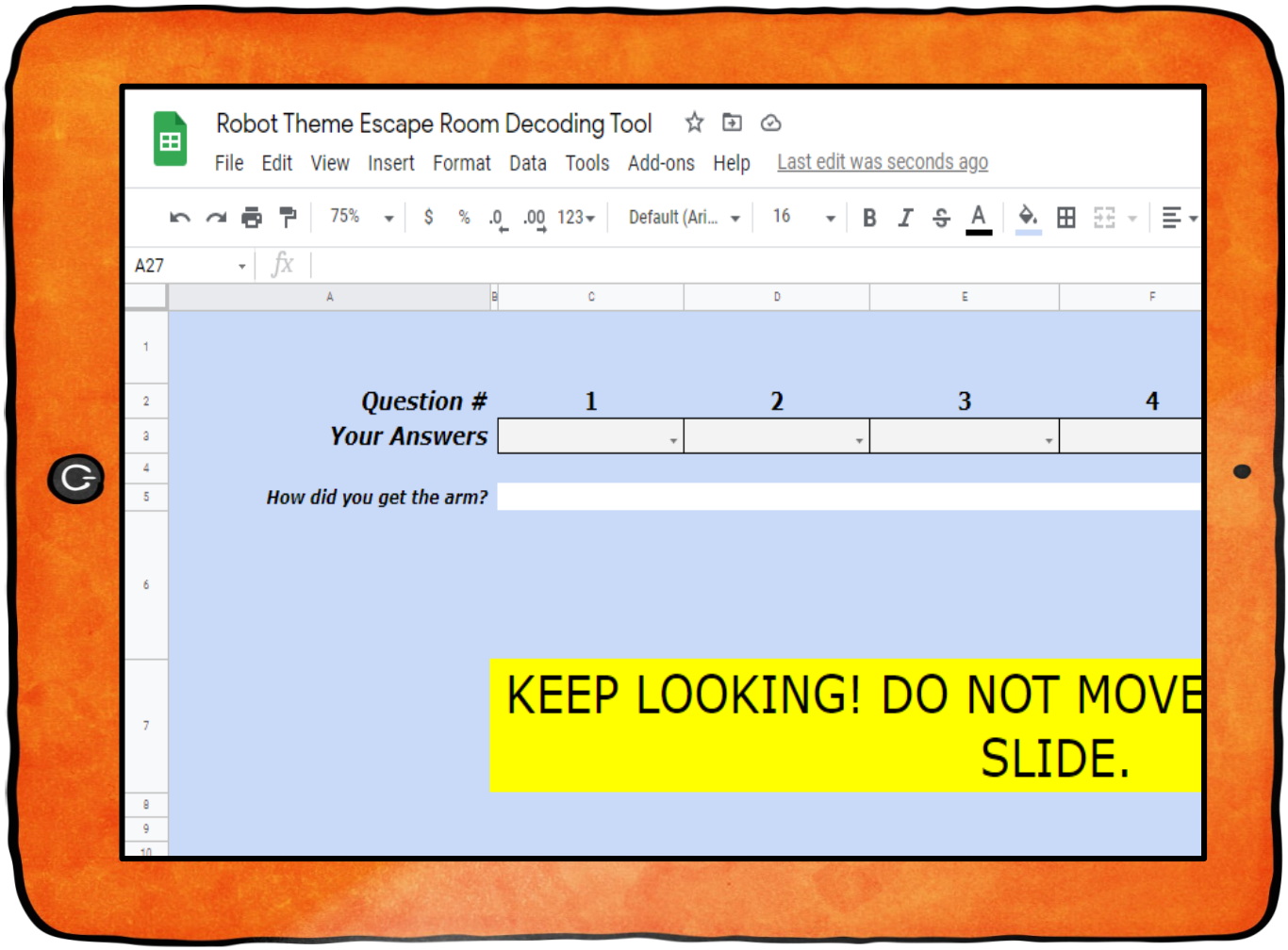


Interactive Elements

Google Slides Prompt Students to use Decoder



Decoder in Digital Version is Self-Checking



Printable Version Includes Recording Brochure & Decoder

Robot Decoder

Use the following codes for each challenge to solve the clues and move to the next challenge.

	question 1	question 2	question 3	question 4	question 5	question 6
Challenge 1	a = Timothy's b = Erin's c = My d = I	a = mom b = friend c = grandma d = saved	a = wasn't b = found one c = saw one d = money by	a = using hers b = at the c = in the d = using it	a = and b = store and c = trash and d = to teach	a = let us borrow it. b = donated it. c = took it. d = lessons.
Challenge 2	question 1 a = I b = Timothy c = Lucetta d = Erin	question 2 a = looked b = asked c = borrowed d = put one	question 3 a = for it b = for one c = one d = at the	question 4 a = at the b = for his c = for d = top of		
Challenge 3	question 1 a = Erin b = Timothy c = I d = I went	question 2 a = bought b = won c = saved d = to a concert	question 3 a = a fiddle b = one c = money d = and got one	question 4 a = for her b = in a c = to buy one d = from the		
Challenge 4	question 1 a = Erin b = There c = I d = Timothy	question 2 a = got b = is c = bought d = borrowed	question 3 a = one b = one on c = it d = a turntable	question 4 a = from b = the stage c = from another d = to use from		

CHALLENGE 1

	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

How did you get the arm?

CHALLENGE 2

	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

How did you get the other arm?

CHALLENGE 3

	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

How did you get the legs?

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