T·I·E·R

Tiered **I**nterventions Using **E**vidence-Based **R**esearch

Computational Fluency Progress-Monitoring System for K–6 Mathematics

Grade K: Teacher

TEA — Texas Education Agency | Texas SPED Support

Note: These answer keys are used for both English and Spanish forms.

KEY

For each problem circle which is greater.

KEY

Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

1, ____, 3, 4	10, 11, 12, ____	7, 8, ____, 10	16, 17, ____, 19	6, 5, 4, ____
2	**13**	**9**	**18**	**3**
17, 16, ____, 14	8, ____, 6, 5	10, ____, 12, 13	9, 8, ____, 6	16, 15, 14, ____
15	**7**	**11**	**7**	**13**

KEY

☆ For each problem circle which is greater.

		4 / ⑤		⑳ / 2
	⑧ / 4	⑬ / 10		16 / ⑳
	5 / ⑧		11 / ⑫	
⑮ / 14	7 / ⑲	⑦ / 6		

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

11, 12, 13, ____	2, ____, 4, 5	17, 18, ____, 20	6, 7, ____, 9	7, 6, 5, ____
14	**3**	**19**	**8**	**4**
16, 15, ____, 13	9, ____, 7, 6	15, ____, 17, 18	10, 9, ____, 7	17, 16, 15, ____
14	**8**	**16**	**8**	**14**

KEY

For each problem circle which is greater.

		1 (2)		(18) 1
	(7) 3	(19) 14		10 (18)
	3 (9)		12 (13)	
(19) 18	2 (18)	(8) 7		

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

3, ____, 5, 6	12, 13, 14, ____,	5, 6, ____, 8	10, 11, ____, 13	8, 7, 6, ____
4	**15**	**7**	**12**	**5**
15, 14, ____, 12	10, ____, 8, 7	13, ____, 15, 16	4, 3, ____, 1	18, 17, 16, ____
13	**9**	**14**	**2**	**15**

KEY

☆ For each problem circle which is greater.

(image: square of dots circled) vs square of dots	ten frames (circled: full ten frame)	9 vs (10)	dominoes (circled: right domino)	(19) vs 9
square of dots vs (circled: square of dots)	(9) vs 2	(12) vs 10	(circled: 4 dots) vs 2 dots	10 vs (14)
(circled: hearts) vs hearts	7 vs (9)	stars vs (circled: stars)	10 vs (11)	(circled: ten frames) vs ten frames
(20) vs 19	1 vs (11)	(10) vs 9	(circled: ten frames) vs ten frames	dot square vs (circled: 3 dots)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

13, 14, 15, ____ **16**	4, ____, 6, 7 **5**	11, 12, ____, 14 **13**	4, 5, ____, 7 **6**	9, 8, 7, ____ **6**
13, 12, ____, 10 **11**	4, ____, 2, 1 **3**	12, ____, 14, 15 **13**	5, 4, ____, 2 **3**	19, 18, 17, ____ **16**

KEY

☆ For each problem circle which is greater.

(stars, left circled)	(ten frames, right circled)	8 (9)	(dominoes, right circled)	(17) 3
(dots, right circled)	(4) 1	(20) 16	(dots, left circled)	11 (15)
(dots, left circled)	2 (8)	(dots, right circled)	14 (15)	(ten frames, left circled)
(18) 17	2 (16)	(6) 5	(ten frames, left circled)	(dots, right circled)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

5, ___, 7, 8	14, 15, 16, ___	3, 4, ___, 6	12, 13, ___, 15	10, 9, 8, ___
6	**17**	**5**	**14**	**7**
14, 13, ___, 11	5, ___, 3, 2	14, ___, 16, 17	6, 5, ___, 3	20, 19, 18, ___
12	**4**	**15**	**4**	**17**

KEY

For each problem circle which is greater.

(8 triangles) vs (5 triangles) — first circled	(5-frame) vs (10-frame) — second circled	7 vs **8** — 8 circled	(dominoes) — second circled	**15** vs 10 — 15 circled
(circles) vs (circles) — second circled	**6** vs 3 — 6 circled	**14** vs 11 — 14 circled	(6 dots) vs (4 dots) — first circled	12 vs **16** — 16 circled
(12 dots) — first circled	1 vs **4** — 4 circled	(stars) vs (stars) — second circled	15 vs **16** — 16 circled	(20 frame) — first circled
13 vs 12 — 13 circled	3 vs **17** — 17 circled	**5** vs 4 — 5 circled	(ten frames) — first circled	(3 dots) vs (4 dots) — second circled

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

15, 16, 17, ____	6, ____, 8, 9	13, 14, ____, 16	2, 3, ____, 5	4, 3, 2, ____
18	**7**	**15**	**4**	**1**
18, 17, ____, 15	6, ____, 4, 3	16, ____, 18, 19	7, 6, ____, 4	13, 12, 11, ____
16	**5**	**17**	**5**	**10**

KEY

For each problem circle which is greater.

dice (5) ○ vs dice (3)	ten frame vs ten frame (10) ○	6 vs 7 ○	dominoes vs dominoes ○	14 ○ vs 3
dots vs dots (circled) ○	3 ○ vs 1	19 ○ vs 12	frame (10) ○ vs frame (6)	13 vs 20 ○
stars (circled) ○ vs stars	4 vs 9 ○	dots vs dots (circled) ○	16 vs 17 ○	grid (circled) ○ vs grid
14 vs 13	4 vs 12 ○	4 ○ vs 3	ten frame (circled) ○ vs ten frame	dots (2) vs dots (circled) ○

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

7, ____, 9, 10	16, 17, 18, ____	1, 2, ____, 4	14, 15, ____, 17	5, 4, 3, ____
8	**19**	**3**	**16**	**2**
19, 18, ____, 16	7, ____, 5, 4	15, ____, 17, 18	8, 7, ____, 5	14, 13, 12, ____
17	**6**	**16**	**6**	**11**

KEY

For each problem circle which is greater.

(4 stars, circled) — (2 stars)	(ten-frame 5) — (double ten-frame, circled)	5 — (6) circled	(dominoes) — (dominoes circled)	(13) circled — 4
(1 big + 2 dots) — (4 dots, circled)	(8) circled — 5	(15) circled — 13	(3 dots, circled) — (1 dot)	14 — (19) circled
(stars grid, circled) — (stars grid)	6 — (8) circled	(stars) — (stars circled)	17 — (18) circled	(dots grid circled) — (dots grid)
(16) circled — 15	5 — (14) circled	(3) circled — 2	(ten-frame circled) — (ten-frame)	(dots square) — (dots square circled)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

17, 18, 19, ____	1, ____, 3, 4	15, 16, ____, 18	7, 8, ____, 10	6, 5, 4, ____
20	**2**	**17**	**9**	**3**
20, 19, ____, 17	8, ____, 6, 5	16, ____, 18, 19	9, 8, ____, 6	15, 14, 13, ____
18	**7**	**17**	**7**	**12**

KEY

☆ For each problem circle which is greater.

(triangles)	(ten frames)	3 · **4**	(dominoes)	**12** · 8
(dots)	**6** · 2	**20** · 12	(dots) · (dots)	15 · **20**
(dot array)	1 · **7**	(triangles)	18 · **19**	(ten frames)
12 · 11	6 · **18**	**2** · 1	(ten frames)	(dots) · (dots)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

2, ____, 4, 5	10, 11, 12, ____	6, 7, ____, 9	16, 17, ____, 19	7, 6, 5, ____
3	**13**	**8**	**18**	**4**
17, 16, ____, 14	9, ____, 7, 6	17, ____, 19, 20	10, 9, ____, 7	16, 15, 14, ____
15	**8**	**18**	**8**	**13**

KEY

☆ For each problem circle which is greater.

		0 · (1)		(11) · 6
	(7) · 4	(17) · 11		16 · (18)
	6 · (9)		19 · (20)	
(11) · 10	7 · (15)	(9) · 8		

KEY

Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

11, 12, 13, ____	3, ____, 5, 6	17, 18, ____, 20	4, 5, ____, 7	8, 7, 6, ____
14	**4**	**19**	**6**	**5**
13, 12, ____, 10	10, ____, 8, 7	11, ____, 13, 14	4, 3, ____, 1	20, 19, 18, ____
11	**9**	**12**	**2**	**17**

KEY

☆ For each problem circle which is greater.

(dots in squares)	(ten frames)	2 · ③	(dominoes)	⑪ · 9
(large dots)	⑨ · 6	⑱ · 15	(dots)	17 · ⑲
(stars)	5 · ⑦	(triangles)	13 · ⑭	(ten frames)
⑩ · 9	8 · ⑬	⑦ · 6	(ten frames)	(dots in squares)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

4, ____, 6, 7	12, 13, 14, ____	5, 6, ____, 8	10, 11, ____, 13	9, 8, 7, ____
5	**15**	**7**	**12**	**6**
14, 13, ____, 11	4, ____, 2, 1	17, ____, 19, 20	5, 4, ____, 2	13, 12, 11, ____
12	**3**	**18**	**3**	**10**

KEY

☆ For each problem circle which is greater.

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

13, 14, 15, ____	5, ____, 7, 8	11, 12, ____, 14	3, 4, ____, 6	10, 9, 8, ____
16	**6**	**13**	**5**	**7**
15, 14, ____, 12	5, ____, 3, 2	16, ____, 18, 19	6, 5, ____, 3	14, 13, 12, ____
13	**4**	**17**	**4**	**11**

KEY

☆ For each problem circle which is greater.

KEY

Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

6, ____, 8, 9	14, 15, 16, ____	2, 3, ____, 5	12, 13, ____, 15	4, 3, 2, ____
7	17	4	14	1
16, 15, ____, 13	6, ____, 4, 3	15, ____, 17, 18	7, 6, ____, 4	15, 14, 13, ____
14	5	16	5	12

KEY

☆ For each problem circle which is greater.

(stars, left circled)	(ten frames, right circled)	9 · (10)	(dominoes, right circled)	(20) · 7
(dots, right circled)	(8) · 2	(14) · 12	(dots, left circled)	13 · (18)
(hearts, left circled)	5 · (9)	(triangles, right circled)	10 · (11)	(ten frames, left circled)
(19) · 18	4 · (13)	(6) · 5	(ten frames, left circled)	(dice, right circled)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

15, 16, 17, ____	7, ____, 9, 10	13, 14, ____, 16	1, 2, ____, 4	5, 4, 3, ____
18	**8**	**15**	**3**	**2**
17, 16, ____, 14	7, ____, 5, 4	13, ____, 15, 16	8, 7, ____, 5	14, 13, 12, ____
15	**6**	**14**	**6**	**11**

KEY

For each problem circle which is greater.

(triangles, left circled)	(ten frames, right circled)	8 (9)	(dominoes, right circled)	(16) 8
(dots, right circled)	(6) 1	(17) 13	(ten frame, left circled)	12 (19)
(ten frame, left circled)	4 (7)	(stars, right circled)	14 (15)	(double ten frame, left circled)
(20) 19	5 (18)	(5) 4	(ten frames, left circled)	(dots, right circled)

KEY

Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

1, ___, 3, 4	16, 17, 18, ___	6, 7, ___, 9	14, 15, ___, 17	6, 5, 4, ___
2	**19**	**8**	**16**	**3**
18, 17, ___, 15	8, ___, 6, 5	14, ___, 16, 17	9, 8, ___, 6	15, 14, 13, ___
16	**7**	**15**	**7**	**12**

KEY

⭐ For each problem circle which is greater.

(dice: 5 circled, 3)	(ten-frames: 5, 10 circled)	7 — (8)	(dominoes: 8, 11 circled)	(19) — 4
(circles group, right circled)	(4) — 2	(15) — 10	(3 dots circled) — 1 dot	14 — (18)
(dots in oval circled) — (dots)	1 — (9)	(dots) — (more dots circled)	15 — (16)	(20 circled) — (15)
(18) — 17	6 — (15)	(4) — 3	(7 circled) — 5	(dots) — (more dots circled)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

17, 18, 19, ____	2, ____, 4, 5	15, 16, ____, 18	5, 6, ____, 8	7, 6, 5, ____
20	**3**	**17**	**7**	**4**
19, 18, ____, 16	9, ____, 7, 6	12, ____, 14, 15	10, 9, ____, 7	16, 15, 14, ____
17	**8**	**13**	**8**	**13**

KEY

☆ For each problem circle which is greater.

(stars in squares)	(ten frames)	6 · **7**	(dominoes)	**18** · 2
(dots in squares)	**7** · 5	**16** · 11	(dots in boxes)	15 · **19**
(stars in boxes)	3 · **8**	(hearts in squares)	16 · **17**	(ten frames)
16 · 15	7 · **11**	**3** · 2	(ten frames)	(dots in squares)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

3, ____, 5, 6	16, 17, 18, ____	4, 5, ____, 7	16, 17, ____, 19	8, 7, 6, ____
4	**19**	**6**	**18**	**5**
20, 19, ____, 17	10, ____, 8, 7	11, ____, 13, 14	4, 3, ____, 1	17, 16, 15, ____
18	**9**	**12**	**2**	**14**

KEY

☆ For each problem circle which is greater.

⬜(▲▲) ⬛(▲)	▭▭▭▭ ⬭(▭▭▭▭▭)	5 ⬤(6)	domino ⬤(domino+die)	⬤(17) 4
⬛ ⬤(dots)	⬤(5) 2	⬤(19) 15	⬤(10 dots) (8 dots)	10 ⬤(16)
⬭(dots) (dots)	2 ⬤(4)	(dots) ⬤(dots)	17 ⬤(18)	⬤(tens frames) (tens frames)
⬤(14) 13	8 ⬤(20)	⬤(2) 1	⬤(ten frame) (ten frame)	(dots) ⬤(dots)

KEY

○ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

11, 12, 13, ____ **14**	4, ____, 6, 7 **5**	17, 18, ____, 20 **19**	3, 4, ____, 6 **5**	9, 8, 7, ____ **6**
20, 19, ____, 17 **18**	4, ____, 2, 1 **3**	10, ____, 12, 13 **11**	5, 4, ____, 2 **3**	18, 17, 16, ____ **15**

KEY

☆ For each problem circle which is greater.

⭐(greater) vs stars	dots vs ⭕(greater)	3 vs ④	domino vs ⭕(greater)	⑭ vs 5
dot vs ⭕(greater)	⑨ vs 4	⑱ vs 10	⭕(greater) vs dots	17 vs ⑳
⭐(greater) stars	4 vs ⑧	stars vs ⭕(greater)	18 vs ⑲	⭕(greater) ten-frames
⑬ vs 12	9 vs ⑲	⑨ vs 8	⭕(greater) ten-frames	dots vs ◯(greater)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

5, ___, 7, 8	12, 13, 14, ___	2, 3, ___, 5	10, 11, ___, 13	10, 9, 8, ___
6	**15**	**4**	**12**	**7**
19, 18, ___, 16	5, ___, 3, 2	17, ___, 19, 20	6, 5, ___, 3	19, 18, 17, ___
17	**4**	**18**	**4**	**16**

KEY

☆ For each problem circle which is greater.

(dice box greater) vs dice box	ten frames vs (ten frames greater)	0 vs (1)	dominoes vs (dominoes greater)	(15) vs 7
dots box vs (dots box greater)	(8) vs 3	(20) vs 17	(four dots greater) vs two dots	12 vs (17)
(dot array greater) vs dot array	3 vs (7)	hearts vs (hearts greater)	19 vs (20)	(ten frames greater) vs ten frames
(12) vs 11	3 vs (12)	(7) vs 6	(ten frame greater) vs ten frame	one dot vs (three dots greater)

KEY

◯ Fill in the blank with the missing number. If you don't know how to work the problem, put an X over it and move to the next problem.

13, 14, 15, _____	6, _____, 8, 9	11, 12, _____, 14	1, 2, _____, 4	4, 3, 2, _____
16	**7**	**13**	**3**	**1**
18, 17, _____, 15	6, _____, 4, 3	10, _____, 12, 13	7, 6, _____, 4	20, 19, 18, _____
16	**5**	**11**	**5**	**17**