

Section 8 Benchmark Grade 5

Sample Documented Answer Key

4TH SIX WEEKS BENCHMARK

TAKS TEKS

- 1 1A Use place value to read, write, compare, and order whole numbers through 999,999,999,999
- 1 1B Use place value to read, write, compare, and order decimals through the thousandths place
- 1 2A Generate a fraction equivalent to a given fraction such as $\frac{1}{2}$ and $\frac{3}{6}$ or $\frac{4}{12}$ and $\frac{1}{3}$
- 1 2B Generate a mixed number equivalent to a given improper fraction or generate an improper fraction equivalent to a given mixed number
- 1 2C Compare two fractional quantities in problem-solving situations using a variety of methods, including common denominators
- 1 2D Use models to relate decimals to fractions that name tenths, hundredths, and thousandths
- 1 3A Use addition and subtraction to solve problems involving whole numbers and decimals
- 1 3B Use multiplication to solve problems involving whole numbers (no more than three digits times two digits without technology)
- 1 3C Use division to solve problems involving whole numbers (no more than two-digit divisors and three-digit dividends without technology), including interpreting the remainder within a given context
- 1 3D Identify common factors of a set of whole numbers
- 1 3E Model situations using addition and/or subtraction involving fractions with like denominators using concrete objects, pictures, words, and numbers
- 1 4 Use strategies, including rounding and compatible numbers, to estimate solutions to addition, subtraction, multiplication, and division problems
- 2 5A Describe the relationship between sets of data in graphic organizers such as lists, tables, charts, and diagrams
- 2 5B Identify prime and composite numbers using concrete objects, pictorial models, and patterns in factor pairs
- 2 6 Select from and use diagrams and equations such as $y = 5 + 3$ to represent meaningful problem situations
- 3 7 Identify essential attributes including parallel, perpendicular, and congruent parts of two- and three-dimensional geometric figures
- 3 8A Sketch the results of translations, rotations, and reflections on a Quadrant I coordinate grid
- 3 8B Identify the transformation that generates one figure from the other when given two congruent figures on a Quadrant I coordinate grid
- 4 10A Perform simple conversions within the same measurement system (SI (metric) or customary)
- 4 10C Select and use appropriate units and formulas to measure length, perimeter, area, and volume
- 4 11A Solve problems involving changes in temperature
- 4 11B Solve problems involving elapsed time
- 5 12A Use fractions to describe the results of an experiment
- 5 12B Use experimental results to make predictions
- 5 13B Describe characteristics of data presented in tables and graphs including median, mode, and range
- 5 13C Graph a given set of data using an appropriate graphical representation such as a picture or line graph
- 6 14A Identify the mathematics in everyday situations
- 6 14B Solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness
- 6 14C Select or develop an appropriate problem-solving plan or strategy, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem
- 6 15B Relate informal language to mathematical language and symbols
- 6 16A Make generalizations from patterns or sets of examples and nonexamples

Answer Key	TAKS	TEKS
1	C	1A
2	H	1B
3	D	2A
4	G	2B
5	A	2C
6	F	2D
7	A	3A
8	G	3B
9	B	3C
10	J	3D
11	B	3E
12	12	4
13	B	4

Answer Key	TAKS	TEKS
14	J	5A
15	18	5A
16	G	5B
17	A	6
18	J	6
19	B	6
20	H	6
21	B	7
22	J	7
23	A	7
24	H	7
25	B	8A
26	H	8B

27	A	10A
28	G	10A
29	A	10C
30	J	10C
31	B	11A
32	H	11B

Answer Key	TAKS	TEKS
33	B	12A
34	H	12B
35	62	13B
36	J	13C
37	C	14A
38	F	14A
39	C	14B
40	J	14C
41	B	14C
42	J	15B
43	B	16A
44	J	16A

Sample Bubble Sheet

Name _____

4th Six Weeks Benchmark

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)
- 5 (A) (B) (C) (D)
- 6 (F) (G) (H) (J)
- 7 (A) (B) (C) (D)
- 8 (F) (G) (H) (J)
- 9 (A) (B) (C) (D)
- 10 (F) (G) (H) (J)
- 11 (A) (B) (C) (D)

12

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

- 13 (A) (B) (C) (D)
- 14 (F) (G) (H) (J)

15

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

- 16 (F) (G) (H) (J)

- 17 (A) (B) (C) (D)
- 18 (F) (G) (H) (J)
- 19 (A) (B) (C) (D)
- 20 (F) (G) (H) (J)
- 21 (A) (B) (C) (D)
- 22 (F) (G) (H) (J)
- 23 (A) (B) (C) (D)
- 24 (F) (G) (H) (J)
- 25 (A) (B) (C) (D)
- 26 (F) (G) (H) (J)
- 27 (A) (B) (C) (D)
- 28 (F) (G) (H) (J)
- 29 (A) (B) (C) (D)
- 30 (F) (G) (H) (J)

- 31 (A) (B) (C) (D)
- 32 (F) (G) (H) (J)
- 33 (A) (B) (C) (D)
- 34 (F) (G) (H) (J)

35

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

- 36 (F) (G) (H) (J)
- 37 (A) (B) (C) (D)
- 38 (F) (G) (H) (J)
- 39 (A) (B) (C) (D)
- 40 (F) (G) (H) (J)
- 41 (A) (B) (C) (D)
- 42 (F) (G) (H) (J)
- 43 (A) (B) (C) (D)
- 44 (F) (G) (H) (J)

Nombre _____

Prueba de referencia
4º período de seis semanas

1 (A) (B) (C) (D)

2 (F) (G) (H) (J)

3 (A) (B) (C) (D)

4 (F) (G) (H) (J)

5 (A) (B) (C) (D)

6 (F) (G) (H) (J)

7 (A) (B) (C) (D)

8 (F) (G) (H) (J)

9 (A) (B) (C) (D)

10 (F) (G) (H) (J)

11 (A) (B) (C) (D)

12

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1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

13 (A) (B) (C) (D)

14 (F) (G) (H) (J)

15

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0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

16 (F) (G) (H) (J)

17 (A) (B) (C) (D)

18 (F) (G) (H) (J)

19 (A) (B) (C) (D)

20 (F) (G) (H) (J)

21 (A) (B) (C) (D)

22 (F) (G) (H) (J)

23 (A) (B) (C) (D)

24 (F) (G) (H) (J)

25 (A) (B) (C) (D)

26 (F) (G) (H) (J)

27 (A) (B) (C) (D)

28 (F) (G) (H) (J)

29 (A) (B) (C) (D)

30 (F) (G) (H) (J)

31 (A) (B) (C) (D)

32 (F) (G) (H) (J)

33 (A) (B) (C) (D)

34 (F) (G) (H) (J)

35

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

36 (F) (G) (H) (J)

37 (A) (B) (C) (D)

38 (F) (G) (H) (J)

39 (A) (B) (C) (D)

40 (F) (G) (H) (J)

41 (A) (B) (C) (D)

42 (F) (G) (H) (J)

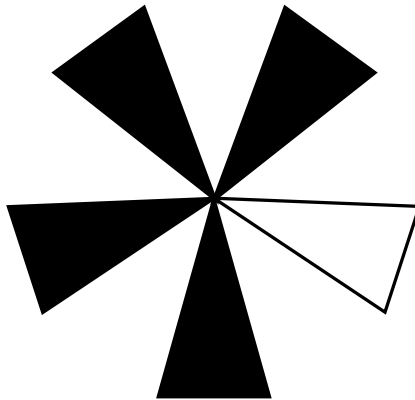
43 (A) (B) (C) (D)

44 (F) (G) (H) (J)

Sample Problems Grade 5

TAKS TEKS

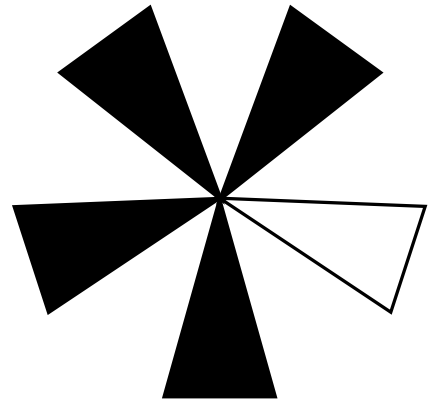
1 2D Rhonda shaded $\frac{4}{5}$ of her design.



Which decimal number represents the shaded part of her design?

- F 0.8
- G 0.08
- H 0.008
- J Not Here

Rhonda sombrió $\frac{4}{5}$ de su diseño.



¿Cuál número decimal representa la parte sombreada de su diseño?

- F 0.8
- G 0.08
- H 0.008
- J No está aquí.

2 5A The chart shows the price of pens for sale at a discount store.

Pen Sale

Number of Pens	Cost (includes tax)
3	\$0.50
6	\$1.00
9	\$1.50
12	\$2.00

If the pattern continues, how many pens can Daniel buy with \$3.00?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

La tabla muestra el precio de plumas en oferta en una tienda de descuentos.

Oferta de plumas

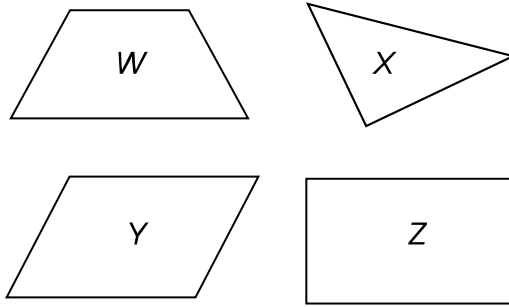
Número de plumas	Costo (con impuesto)
3	\$0.50
6	\$1.00
9	\$1.50
12	\$2.00

Si el patrón continúa, ¿cuántas plumas puede comprar Daniel con \$3.00?

Anota tu respuesta y llena los círculos correspondientes en tu documento de respuestas. Asegúrate de utilizar el valor de posición correcto.

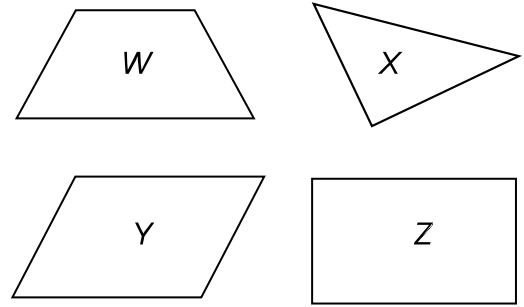
TAKS TEKS

3 7 Which statement about the figures shown below is true?



- A Figures *W* and *Y* are congruent.
- B Figures *X* and *Y* each have at least 2 acute angles.
- C Figures *X* and *Z* each have parallel sides.
- D Figures *Y* and *Z* each have 4 equal angles.

¿Cuál oración acerca de las siguientes figuras es verdadera?



- A Las figuras *W* y *Y* son congruentes.
- B Las figuras *X* y *Y* tienen por lo menos 2 ángulos agudos cada una.
- C Las figuras *X* y *Z* tienen lados paralelos cada una.
- D Las figuras *Y* y *Z* tienen 4 ángulos equivalentes cada una.

4 10A Mrs. Carvajal had 6 gallons 1 quart of punch for her garden party. After the party was over, there were 2 gallons 2 quarts of punch remaining. How much punch was served at the party?

- F 3 gal 1 qt
- G 3 gal 3 qt
- H 4 gal 1 qt
- J 8 gal 3 qt

La Sra. Carvajal tenía 6 galones 1 cuarto de galón de ponche para su fiesta. Sobraron 2 galones 2 cuartos de galón de ponche después de la fiesta. ¿Cuánto ponche se sirvió en la fiesta?

- F 3 gal 1 cuarto de gal
- G 3 gal 3 cuartos de gal
- H 4 gal 1 cuarto de gal
- J 8 gal 3 cuartos de gal

TAKS TEKS

5 12B The table shows the results of 48 spins Carmen made with a spinner.

Color	Number of Spins
Red	8
Blue	12
Green	16
Yellow	12

Based on these results, what is the probability that Carmen's next spin will land on green?

- F $\frac{1}{6}$
- G $\frac{1}{4}$
- H $\frac{1}{3}$
- J $\frac{1}{2}$

La tabla muestra los resultados que obtuvo Carmen cuando giró una ruleta 48 veces.

Color	Número de vueltas
Rojo	8
Azul	12
Verde	16
Amarillo	12

De acuerdo con estos resultados, ¿cuál es la probabilidad de que en la siguiente vuelta la ruleta se detenga en verde?

- F $\frac{1}{6}$
- G $\frac{1}{4}$
- H $\frac{1}{3}$
- J $\frac{1}{2}$

6 14A Mr. Ybarra gave his secretary some money to buy office supplies.



El Sr. Ybarra le dio a su secretaria dinero para comprar útiles de oficina.



Which question can be answered using the information above?

- A How many hours does the secretary work each week?
- B How much did Mr. Ybarra give his secretary to buy supplies?
- C What is the range of the prices shown?
- D How many of each item did the secretary buy?

¿Cuál pregunta se puede contestar usando la información de arriba?

- A ¿Cuántas horas trabaja la secretaria cada semana?
- B ¿Cuánto le dio el Sr. Ybarra a su secretaria para comprar útiles?
- C ¿Qué es el rango de los precios que se muestran?
- D ¿Cuánto de cada artículo compró la secretaria?