

5th Grade TEKS Readiness Focus

TEKS 5.3K add and subtract positive rational numbers fluently.

Activity Directions:

Items Needed: *Lines and Slants* activity, scissors, map colors

1. Students should be paired to play ***Lines and Slants***.
2. Game instructions are shown below.

Instructions

- Shuffle addition and subtraction game cards. Place cards face down in a draw pile.
 - Player A selects a card and finds the solution. Player A may then color one cell on the ***Lines and Slants*** game board that identifies the calculated solution. The answer is available in three forms (decimal, fraction, improper fraction). The player may choose any one of the available forms.
 - Player B repeats the process.
 - The winner is the player to align 4 hexagons in a continuous path.
3. Possible winning paths are shown below (vertical, horizontal, diagonal).
 4. Have students practice questions coded to TEKS 5.3K.

Lines and Slants

Instructions

1. Shuffle addition and subtraction game cards. Place cards face down in a draw pile.
2. Player A selects a card and finds the solution. Player A may then color one cell on the Lines and Slants game board that names the calculated solution. The answer is available in three forms (decimal, fraction, improper fraction). The player may choose any one of the available forms.
3. Player B repeats the process.
4. The winner is the player to align 4 hexagons in a continuous path.

$3\frac{1}{2}$	$\frac{9}{4}$	$6.\bar{6}$	$3\frac{1}{5}$	7.125	$\frac{23}{4}$	$5\frac{2}{5}$
1	$2\frac{5}{6}$	7.6	3.5	$2.8\bar{3}$	$4\frac{1}{3}$	$2\frac{1}{4}$
$\frac{57}{8}$	$4.\bar{3}$	$1\frac{4}{5}$	$5\frac{3}{4}$	$\frac{35}{8}$	1.625	$\frac{9}{5}$
$\frac{17}{6}$	$\frac{38}{5}$	5.4	2.25	$\frac{16}{5}$	4.375	$6\frac{2}{3}$
3.2	$4\frac{3}{8}$	$7\frac{1}{2}$	$7\frac{3}{5}$	$5\frac{1}{8}$	$\frac{13}{8}$	5.75
$7\frac{1}{8}$	1.8	1.8	$7\frac{3}{5}$	$\frac{13}{3}$	$\frac{13}{8}$	$\frac{27}{5}$

TEKS 5.3K add and subtract positive rational numbers fluently.

1. Florence bought a package of socks and a pair of shoes at the store.

- She paid \$6.57 for the package of socks.
- She paid a total of \$52.65 for the socks and the shoes.

How much did Florence pay for the shoes, in dollars and cents?

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

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

2. Megan, Nathan and Cody are cousins.

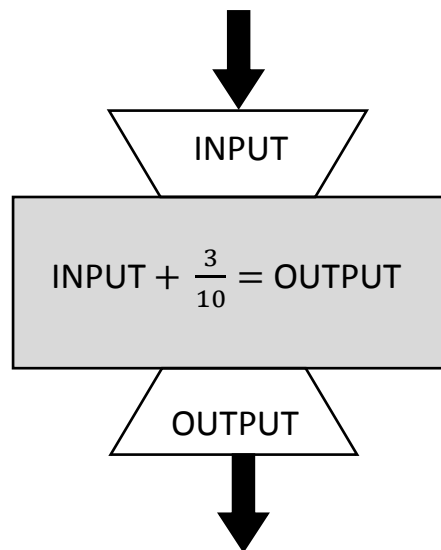
- Megan is $5\frac{1}{2}$ years older than Nathan.
- Cody is $3\frac{1}{2}$ years younger than Nathan.
- Megan is 15 years old.

What is Cody's age?

- F. 2 years
- G. $10\frac{1}{2}$ years
- H. 6 years
- J. $9\frac{1}{2}$ years

3. An input-output machine is shown below. Based on the input-output machine, which of the following is NOT true?

- A. If 2.9 is an input value, the output value will equal 3.2.
- B. If 3.4 is an output value, the input value was 3.1.
- C. If 4.36 is an input value, the output value will equal 4.66.
- D. If 8.1 is an output value, the input value was 5.1.



4. Chef Marco has one gallon of milk. He used $1\frac{3}{4}$ cups of the milk to make a birthday cake and $7\frac{1}{2}$ cups of the milk to make chocolate pudding. He needs 6 cups of milk to make rice pudding. Does Chef Marco have enough milk left to make the rice pudding?

F. Yes, because $16 - \left(1\frac{3}{4} + 7\frac{1}{2}\right) = 6\frac{3}{4}$, and $6\frac{3}{4} > 6$

G. Yes, because $16 - 7\frac{1}{2} = 8\frac{1}{2}$, and $8\frac{1}{2} > 6$

H. No, because $\left(16 - 7\frac{1}{2}\right) - 1\frac{3}{4} = 6\frac{3}{4}$, and $6 < 6\frac{3}{4}$

J. No, because $16 + 7\frac{1}{2} + 1\frac{3}{4} = 25\frac{1}{4}$, and $25\frac{1}{4} > 16$

5. A number pattern is shown below.

1.35, 1.85, 2.35, 2.85, ?

What is the next number in the pattern, and why?

A. 2.9, because $2.85 + 0.05 = 2.9$

B. 3.35, because $2.85 + 0.5 = 3.35$

C. 3.85, because $2.85 + 1 = 3.85$

D. 5.25, because $2.35 + 2.85 = 5.2$

6. Tegan bought 13 yards of yarn. She used $6\frac{1}{5}$ yards of yarn to decorate a quilt and $5\frac{1}{4}$ yards of yarn to make a scarf. How much yarn does Tegan have left after these two projects?

F. $11\frac{9}{20}$ yards

G. $1\frac{11}{20}$ yards

H. $\frac{19}{20}$ yards

J. $1\frac{13}{20}$ yards

7. The value of y can be determined using the expression $x - \frac{6}{5}$. Which table represents the relationship between the values of y and x ?

A.

x	y
5	$3\frac{4}{5}$
$5\frac{1}{5}$	4
$5\frac{2}{5}$	$4\frac{1}{5}$
$5\frac{3}{5}$	$4\frac{2}{5}$

B.

x	y
$\frac{26}{5}$	$\frac{25}{5}$
$\frac{20}{5}$	$\frac{19}{5}$
$\frac{14}{5}$	$\frac{13}{5}$
$\frac{8}{5}$	$\frac{7}{5}$

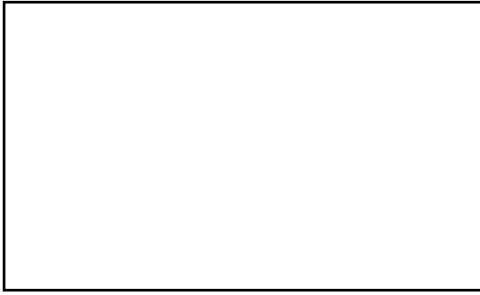
C.

x	y
7	$8\frac{1}{5}$
$7\frac{1}{5}$	$8\frac{2}{5}$
$7\frac{2}{5}$	$8\frac{3}{5}$
$7\frac{3}{5}$	$8\frac{4}{5}$

D.

x	y
$\frac{26}{5}$	$\frac{27}{5}$
$\frac{20}{5}$	$\frac{21}{5}$
$\frac{14}{5}$	$\frac{15}{5}$
$\frac{8}{5}$	$\frac{9}{5}$

8. Use a ruler to measure the side lengths of the rectangle below to the nearest half-inch.



What is the perimeter of the rectangle?

- F. 6 inches
- G. 7 inches
- H. 8 inches
- J. 9 inches

9. Colby used 4 pieces of pipe in a construction project. The length of each pipe is shown in the list below.

Pipe	A	B	C	D
Length (ft.)	$9\frac{1}{2}$	6.5	7.25	$5\frac{1}{4}$

What is the total length of pipe used by Colby for this project?

- A. $27\frac{1}{2}$ feet
- B. 28 feet
- C. $28\frac{1}{4}$ feet
- D. 28.5 feet

10. The soccer game lasted $1\frac{2}{3}$ hours.

- The Strikers led the game for $\frac{5}{6}$ hours.
- The Scorpions led the game for $\frac{3}{4}$ hours.
- The rest of the time the two teams were tied.

Based on this information, how long were the teams tied during the game?

- F. $1\frac{2}{15}$ hours
- G. $3\frac{1}{4}$ hours
- H. $\frac{1}{12}$ hours
- J. $1\frac{7}{12}$ hours