GRADE 7 MATHEMATICS

(7.2) Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions. The student is expected to: (B) use addition, subtraction, multiplication, and division to solve problems involving fractions and decimals.

Sarah has $5\frac{1}{3}$ cups of chopped apples. Her recipe for a salad requires $1\frac{1}{3}$ cups of apples and will make 6 servings. How many servings can she make with the amount of chopped apples she has?

F   4 servings

G   12 servings

H   24 servings

J   18 servings

Joan works on the weekends. Last Saturday she worked 5.25 hours and on Sunday she worked 6.5 hours. She earns $6 per hour. How much did she earn last weekend?

A $66.00

B $70.50

C $72.00

D $11.75

The table shows how many hours Mary practiced the piano each day last week.

Piano Practice Record

Day	Number of Hours
Monday	3.5
Tuesday	2.25
Wednesday	2.75
Thursday	$1\frac{1}{3}$
Friday	0
Saturday	$2\frac{2}{3}$
Sunday	1

How many more hours did Mary practice the piano on Monday, Tuesday and Wednesday than she practiced the remaining days of the week?

F   3.5 hours

G   8.5 hours

H   5 hours

J   13.5 hours

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Esther wants to save $65.65 to buy her mother a special birthday gift. She has 13 weeks to save the money. If she wants to save the same amount each week, how much money, in dollars and cents, does she need to save each week?

Record your answer on the grid below. Be sure to use the correct place value.

Jonas is using a strip of wood that is 2.75 feet long. He cuts off a piece that is 0.9 foot long. How long in feet is the piece that is left of the original strip?

Record your answer on the grid below. Be sure to use the correct place value.

Mrs. Walton has $3\frac{1}{2}$ quarts of milk. How much milk will she have left if she uses $1\frac{3}{4}$ quarts of the milk to make ice cream?

A $1\frac{3}{4}$ quarts

B $1\frac{1}{2}$ quarts

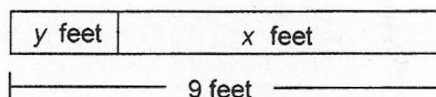C $2\frac{3}{4}$ quarts

D $2\frac{1}{2}$ quarts

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Mr. Elwood earns $13.50 per hour working at the docks. If he works an average of 35 hours a week, what is his total salary for one year before any deductions are taken out of his salary?

F $472.50

G $24,570.00

H $24,440.00

J $1,763.50

Leann drew a sketch to show where she will cut a piece of ribbon.

y feet	x feet

$\longmapsto$ ———— 9 feet ———— $\dashv$

Which equation can be used to determine x, the length of the longer piece of ribbon?

A $x = 9 + y$

B $x = 9 \times y$

C $x = 9 - y$

D $x = 9 \div y$

Mrs. Fabian asked each of her 30 piano students to select their favorite type of music.

- $\frac{1}{5}$ of the students chose classical music.

- $\frac{1}{3}$ of the students chose country music.

- The remaining students chose rock music.

How many students chose rock music as their favorite type of music?

F   14

G   10

H   4

J   6