

Houston ISD

Ability grows with effort

OnTrack

Test Booklet 21-22_HISD_SNAP1_G5_MTH_E_Oct25-29

Name

Answer Key

Date



1. Yordan Álvarez's batting average was represented by three hundred seventeen thousand

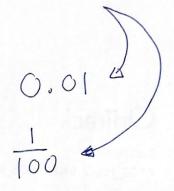
Which of the following are ways to represent the value of the digit in the hundredths place.

Select all correct answers.

A. 0.3

B. 0.01

- **C.** 0.007
- **D.** $(7 \times \frac{1}{1000})$
- $(1 \times \frac{1}{100})$
- **F.** $(3 \times \frac{1}{10})$



students used water for a science experiment. The amounts of water, in gallons, ch student used is listed in the table.

Science Experiment

Student	Water (gallons)
Deidra	(1.34)
Martin	1.82
Charlotte	$\left(1\frac{9'}{10}\right)$
Kendra	1.62
Silvia	$\left(1\frac{3}{4}\right)$

How much more water, in gallons, did Charlotte and Martin use than Silvia and Deidra?

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

Solution

$$\frac{\text{Charlotle} + Martin}{\text{Silvin} + Deidva} = \frac{(190 + 1.82) - (1\frac{3}{4} + 1.34)}{(1.90 + 1.82) - (1.75 + 1.34)} = \frac{3.72 - 3.09}{1.90 + 1.82}$$

Workings

1) Convert fractions to decimals
$$\frac{19}{10} = 1.90$$

$$\frac{13}{4} = 1.75$$

(3) Subtract:
$$3.72$$

$$\frac{-3.09}{0.63}$$

3. Tickets for the museum cost \$23 each. The numbers of people who visited the museum four different days last week are listed in the table.

Museum Attendance

Day	Number of People
Wednesday	274
Thursday	156
Friday	(349)
Saturday	408

. . . .

What was the total income from the tickets sold on Thursday and Friday?

Enter your answer in the space.

156 Thursday + 349 Friday

2) 505 fickets x \$ 23

- 4. A family of 4 spent \$200 at a concert.
 - They spent \$84 on tickets and \$58 on food.
 - They spent the rest of the money on souvenirs.

Which equation can be used to find s, the amount of money in dollars the family spent on souvenirs?

F.
$$$200 = s + $84 - $58$$

G.
$$$200 = $58 + $84 - s$$

H.
$$$200 = $84 - $58 - s$$

$$(3.) $200 = s + $58 + $84$$

sells small, medium, and large bags of mints at his store.

A medium bag contains three times as many mints as a small bag.

- A large bag contains five times as many mints as a medium bag.
- There are 3,510 mints in a large bag.

How many mints are in a small bag?

Large = 3,510 mints

Medium = 3510 ÷ 5 = 70Z

B. 702

C. 1,170

D. 10,530

 $|smal| = |medium \div 3| = 234$ |3| 3| 702

6. Mr. Smith has 371 books in his classroom library. He wants to put these books onto bookshelves. Each bookshelf can hold 24 books. Using compatible numbers, which is the best estimate of how many bookshelves will be completely filled with books?

| Pookshelves | Dooks in this classification in the put these books structured books in the bookshelves. The put these books structured books in this classification in the bookshelves. The put these books structured books in this classification in the bookshelves will be completely filled with books?

| Pookshelves | Dooks in this classification in the bookshelves will be compatible numbers, which is the best estimate of how many bookshelves will be completely filled with books?

F. 12

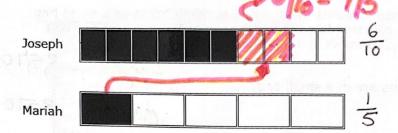
- G.) 15
- H. 20
- J. 380

371 books - 24 books on a shelf.

= 16. shelves

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7. Joseph and Mariah shared <u>part</u> of a whole sandwich. The models are shaded to show fraction of the sandwich each of them ate.



What fraction of the sandwich did Joseph and Mariah eat in all?

A.
$$\frac{8}{15}$$

Solution

B.
$$\frac{7}{15}$$

$$\frac{6}{10} + \frac{1}{5}$$

$$\left(c, \frac{4}{5}\right)$$

D.
$$\frac{2}{5}$$

Working

1) Lowest common denominator

(2) Find equivalent:

$$\frac{1}{5} \times \frac{2}{5} = \frac{2}{10}$$

$$\frac{8 \div 2}{10 \div 2} = \frac{4}{5}$$

 $_{\rm car}$, Marcus drove his truck a total of 18,249.6 miles. At the end of the year, his total mileage was 150,000 miles.

the beginning of the year, what was his truck's total mileage?

H. 168,249.6 mi

9. Look at these numbers.

Which statements about these numbers are true? Select all correct answers.

10. What is the value of the expression shown below?

Enter your answer in the space.

nter your answer in the space.

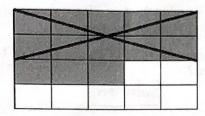
$$\begin{array}{r}
24 \\
12 \times [9 - (4+3)] \\
= 12 \times [9 - 7] \\
= 12 \times 2 \\
= 24
\end{array}$$

Working X+ LtoR

11. Which comparison statements are true? Select all the correct answers.

B. 7.4 > 7.39
$$\checkmark$$
 7.390 7.400

shaded part of the model represents a fraction of a pan of brownies. Mary ate a fraction chese brownies, as shown below.



Which expression does the model represent?

F.
$$\frac{13}{20} - \frac{1}{10}$$

$$\frac{\text{Shaded}}{\text{Total}} = \frac{13}{20}$$

G.
$$\frac{13}{15} - \frac{10}{15}$$

$$\frac{X}{Total} = \frac{10}{20}$$

H.
$$\frac{13}{20} - \frac{7}{10}$$

$$) \frac{\text{Simplify}}{20} = \frac{1}{2}$$

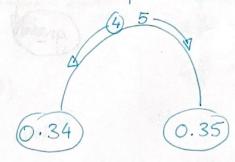
$$\underbrace{\mathbf{J.}}_{20} \frac{13}{20} - \frac{10}{20}$$

$$=\frac{13}{20} - \frac{1}{2}$$

13. Jose Altuve's batting average for the 2017 baseball season was 0.346.

What is this number rounded to the nearest hundredth?

0.346 = 0.35L hundredth place.



- 14. Mrs. Jackson is purchasing sections of fencing to build a fence around the perimeter rectangular raised garden bed.
 - The perimeter of her raised garden bed is 78 feet
 Each section of fence is 3 feet long and costs \$6

Which equation can Mrs. Jackson use to find c, the cost of the sections of fence she needs for her raised garden bed?

Solution:

F.
$$78 \div (6 \div 3) = c$$

G.
$$(6 \times 3) \times 78 = c$$

H.
$$78 \div (6 \times 3) = c$$

J.
$$(78 \div 3) \times 6 = c$$

$$C = (78 \div 3) \times \%$$

$$= 26 \times $6$$

1) Workings

Garden

Perimeter = 78ft.

- 2 3 26 × 6
- 15. Archie recorded his times running in an annual marathon.
 - In 2016, Archie's time was 4.39 hours.
 - In 2017, Archie's time was 4.5 hours.
 - In 2018, Archie's time was (4.375) hours.
 - In 2019, Archie's time was 4.27 hours.

Which answer correctly compares these marathon times?

C.
$$4.375 > 4.27$$
 and $4.5 < 4.39$

D.
$$4.375 > 4.39$$
 and $4.5 < 4.27$

4.270

* Add zeros to help compare. Jin wrote the expression shown.

$$18 \div 6 + 3(25 - 9)$$

What do these parenthesis indicate in the expression? ("Solve me first!")

- F. Multiply 3 by 25 before subtracting 9
- G. Subtract 9 from 25 before multiplying by 3

- H. Divide 18 by 6 before adding 3
- J. Add 6 and 3 together before subtracting 9 from 25
- 17. Washington Elementary School ordered (44) pizzas for the pep rally. At the end of the day, the principal found $9\frac{2}{9}$ pepperoni pizzas left over $8\frac{7}{8}$ sausage pizzas left over, and $6\frac{5}{6}$ cheese pizzas left over

What is a reasonable estimate for the number of pizzas the students ate at the pep G Round! rally?

B. 21
$$= 44 \text{ pizzas} - 9\frac{2}{9} - 8\frac{7}{8} - 6\frac{5}{6}$$
C. 23
$$= 44 \text{ pizzas} - 9\frac{2}{9} - 8\frac{7}{8} - 6\frac{5}{6}$$

$$= 44 \text{ pizzas} - 9\frac{2}{9} - 8\frac{7}{8} - 6\frac{5}{6}$$

$$= 44 \text{ pizzas} - 9\frac{2}{9} - 8\frac{7}{8} - 9\frac{7}{9}$$
Closest whole whole number)

D. 25 =
$$44 - 9 - 9 - 7$$

OR: $44 - (9 + 9 + 7)$

= $44 - Z5$ left over

2

= 19 eaten

18. Jackie opened a new case of batteries.

- The case contained 5 boxes of batteries with 6 batteries in each box.
 Jackie placed 2 batteries in her TV remote.
 Then she took 4 of the batteries out of the case to put in her stereo.

Which expression can be used to show that there are 24 batteries still in the case?

F. 5 × 6 - 2 + 4 =
$$(32)$$

Solution:

G.
$$5(6) - 2(4) = 22$$

H.
$$5 + 6 - 2 + 4 = (3)$$

$$\bigcirc$$
 5 × 6 - (2 + 4) = \bigcirc 24

Batteries in case =
$$(5.6 \text{ boxes x 6 batteries})$$

-2-4