

PES 5th Common Assessment 1- Math - Question Set | 46 Questions | 47 Points

Grouped Item:
Q1 to Q2

1 Point **1 Part A**

Rachelle drives to and from work 5 days a week. She works 13.6 miles from home. How many miles does she drive in 3 weeks?

- A. 27.2 miles
- B. 136 miles
- C. 204 miles
- D. 408 miles

Item #17110

1 Point **1 Part B**

One weekend on a road trip, Rachelle drove the same number of miles as she usually drives to and from work in 3 weeks. Her average speed on the road trip was 51 miles per hour. During her weekend trip, Rachelle drove 8 hours.

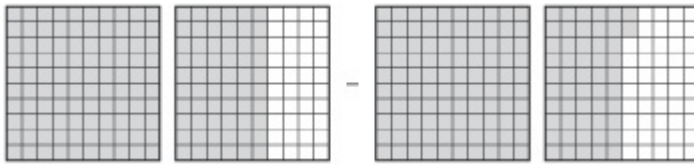
less than
exactly
more than

Item #72055

Grouped Item:
Q3 to Q4

1 Point **2 Part A**

Dorothy says the model shows the subtraction problem $2.6 - 1.26$.



Is Dorothy's claim correct? Explain your answer.

B
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→

Item #142033

1 Point **2 Part B**

Solve the subtraction problem actually modeled and find the difference.

B
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U
[List Icon]
[List Icon]
[Undo]
[Redo]

Item #63474

1 Point **3**

Drag operators to the boxes to create an expression that shows “twice as large as the sum of 4,298 and 6,831.”

2 (4,298 6,831)

+

-

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Item #146861

1
Point

4

Which of the following expressions has the greatest value?

- A. $(5 + 6) \times 8 - 4 + 2$
- B. $5 + 6 \times (8 - 4) + 2$
- C. $5 + 6 \times (8 - 4 + 2)$
- D. $5 + 6 \times 8 - 4 + 2$

Item #129584

1
Point

5

Which place value comparisons are correct?

Select the **three** correct statements.

- A. The value of the 4 in 54.73 is 10 times the value of the 4 in 18.24.
- B. The value of the 4 in 52.74 is $\frac{1}{10}$ times the value of the 4 in 39.4.
- C. The value of the 4 in 4.28 is 100 times the value of the 4 in 3.64.
- D. The value of the 4 in 2.43 is $\frac{1}{100}$ times the value of the 4 in 83.04.
- E. The value of the 4 in 1.43 is 10 times the value of the 4 in 7.04.

Item #102565

1
Point

6

What is the quotient of $812 \div 14$?

- A. 80 R12
- B. 58
- C. 57
- D. 51 R4

Item #80023

1
Point

7

Alvin bought some small milk cartons for lunch on Wednesday. On Thursday, he bought twice as many milk cartons as he bought Wednesday. On Friday, he bought 2 milk cartons. Which expression shows the total number of milk cartons he bought?

- A. $1 + 2 + 2$
- B. $n + 2n + 2$
- C. $n + 2n + 2n$
- D. $2n + 2$

Item #21631

1
Point

8

$$3 \times 10^4 =$$

- A. 300,000
- B. 30,000
- C. 3,000
- D. 300

Item #59279

1
Point

9

Scott is 2 years less than twice Jenny's age. If j represents Jenny's age, which expression can be used to find Scott's age?

- A. $j - 2$
- B. $2j + 2$
- C. $2j - 2$
- D. $2j$

Item #22800

1
Point

10

Which inequality is true?

- A. $1.23 > 1.5$
- B. $1.5 > 1.23$
- C. $1.25 > 1.5$
- D. $1.5 < 1.25$

Item #99184

1
Point 11

Number of Ponds	Total Cost
1	\$2,000
2	\$4,000
3	\$6,000
4	
5	\$10,000

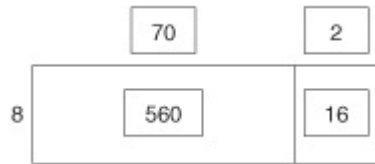
The zoo wants to build several new ponds for its collection of rare frogs and water reptiles. The table above shows the total cost for various numbers of ponds. Which expression shows how to find the total cost of 4 ponds?

- A. $10,000 - 6,000$
- B. $10,000 \div 4$
- C. $4 \times 2,000$
- D. $2,000 \div 4$

Item #87953

1 Point **12**

Which equation is represented by the area model?



- A. $560 \div 8 = 72$
- B. $576 \div 8 = 72$
- C. $72 \div 8 = 576$
- D. $56,016 \div 8 = 702$

Item #10350

1 Point **13**

What is the value of the digit 7 in the decimal 108.427?

- A. seven
- B. seven tenths
- C. seven hundredths
- D. seven thousandths

Item #43879

1
Point

14

Amelie jogs every morning before school, and again every afternoon after school. Altogether, she jogs 15 hours each week. When jogging, she burns 526 calories per hour. How many calories does Amelie burn in one week?

- A. 7,890 calories
- B. 7,760 calories
- C. 3,156 calories
- D. 2,630 calories

Item #10456

1
Point

15

Bill's Boat Rentals has 12 boats that fit 4 people and 9 boats that fit 6 people. What is the maximum number of people who can ride in boats at any one time?

- A. 31
- B. 72
- C. 84
- D. 102

Item #113828

1
Point 16

Which number is represented by x ?

$$(x + 2) - 5 = 7$$

- A. 33
- B. 14
- C. 10
- D. 0

Item #110234

1
Point 17

The Weiss family went ice-skating. They spent \$21.72. About how much did they spend, rounded to the nearest dollar?

- A. \$20.00
- B. \$21.00
- C. \$21.70
- D. \$22.00

Item #5114

1
Point **18**

Gallons	1	2	3	4
Pints	8	16	24	32

The table above shows the relationship between the number of gallons and the number of pints of liquid. How many pints are equal to 6 gallons?

- A. 56
- B. 48
- C. 40
- D. 32

Item #136615

1
Point

19

Choose **all** the numbers that are **greater than** 8.345 when both numbers are rounded to the nearest tenth.

- A. 8.328
- B. 8.421
- C. 8.476
- D. 8.295
- E. 8.382

Item #120281

1
Point

20

Denise rounded 1.548 to 1.5. To which place did she round the decimal?

- A. ones
- B. tenths
- C. hundredths
- D. thousandths

Item #55678

1
Point

21

Select **all** of the expressions that are equivalent to 8.2.

- A. $(8 - 0.6) \times 3 + (10 \div 5)$
- B. $8 - (0.6 \times 3) + (10 \div 5)$
- C. $8 - (0.6 \times 3 + 10 \div 5)$
- D. $8 - 0.6 \times 3 + 10 \div 5$
- E. $(8 - 0.6) \times (3 + (10 \div 5))$

Item #2474

1
Point

22

$4(5 + 6) =$

- A. 26
- B. 29
- C. 44
- D. 120

Item #3108

1
Point 23

Select the correct answer from the drop-down menu.

$$6 \times (3 + 12) \div 5 =$$

3
15
18
24
40

Item #16355

1
Point 24

Which expression shows “subtract 4 from the product of 3 and 8, and then divide by 5”?

- A. $3 \times 8 - 4 \div 5$
- B. $(3 \times 8 - 4) \div 5$
- C. $(3 \times 8 \div 5) - 4$
- D. $3 \times (8 - 4) \div 5$

Item #8718

1
Point

25

A soup kitchen asked for donations from 10 local companies. Four companies each donated 5 cartons of food, 3 companies each donated 7 cartons of food, and 3 companies each donated 4 cartons of food. Which expression can be used to find the number of cartons of food donated by all the companies?

- A. $5 + (3 \times 7) + (3 \times 4)$
- B. $(4 \times 5) + (3 \times 7) + (3 \times 4)$
- C. $10 \times (5 + 7 + 4)$
- D. $(4 + 3 + 3) \times (5 + 7 + 4)$

Item #13786

Grouped Item:

Q28 to Q29

1
Point

26 Part A

Ms. Fisher asked her students to write a numerical expression and a phrase that describes the expression. Some of their responses are shown in the table.

Student	Expression	Phrase
Abigail	$(2 \times 10) - 6$	two times the difference between ten and six
Beth	$4 + 3 \times 5$	the sum of four with the product of three and five
Chad	$14 \div 5 - 3$	fourteen divided by the difference between five and three
David	$3 \times (12 - 7)$	seven subtracted from twelve and then multiplied by three

Which **two** students wrote a phrase that correctly describes his or her expression?

- A. Abigail
- B. Beth
- C. Chad
- D. David

Item #51321

1
Point **26 Part B**

Ms. Fisher then asked her students to find a different phrase that describes David's expression from Part A. Which of these phrases describes David's expression?

Student	Expression	Phrase
Abigail	$(2 \times 10) - 6$	two times the difference between ten and six
Beth	$4 + 3 \times 5$	the sum of four with the product of three and five
Chad	$14 \div 5 - 3$	fourteen divided by the difference between five and three
David	$3 \times (12 - 7)$	seven subtracted from twelve and then multiplied by three

- A. twelve times the difference between seven and three
- B. three times the difference between twelve and seven
- C. seven subtracted from the product of three and twelve
- D. the product of seven with the difference between twelve and three

Item #155496

1
Point

27

$10 \times 10 \times 10 \times 10 = 10,000$. Which is 10,000 in exponential form?

- A. 10^2
- B. 10^3
- C. 10^4
- D. 10^5

Item #103972

1
Point

28

$10 \times 10 \times 10 \times 10 \times 10 = 100,000$. Which is 100,000 in exponential form?

- A. 10^3
- B. 10^4
- C. 10^5
- D. 10^6

Item #104809

1
Point 29

Write the number $2 \times 100 + 5 \times 10 + 3 \times 1 + 8 \times \left(\frac{1}{10}\right) + 4 \times \left(\frac{1}{100}\right)$ in standard form. Enter your answer in the box. Use number(s) and/or symbol(s) only to enter your answer.

Item #32775

1
Point 30

Which inequality is true?

- A. $0.082 < 0.039$
- B. $0.276 < 0.267$
- C. $0.529 < 0.295$
- D. $0.583 < 0.614$

Item #38948

1
Point

31

Which statements comparing decimals are correct?

Select the **three** correct comparisons.

- A. $0.408 > 0.51$
- B. $1.69 < 1.702$
- C. $0.057 > 0.21$
- D. $10.203 > 10.05$
- E. $0.25 > 0.163$

Item #96097

1
Point

32



Mark has the coins on the left. Sandy has the coins on the right. Which statement is true?

- A. Sandy has more money because $\$0.65 > \0.67 .
- B. Mark has more money because $\$0.67 > \0.65 .
- C. Sandy has more money because $\$0.75 > \0.67 .
- D. Mark and Sandy have the same amount of money, $\$0.65$.

Item #18691

1
Point **33**

Find the product. $69 \times 47 = \square$

- A. 483
- B. 759
- C. 2,143
- D. 3,243

Item #24287

2
Points **34**

The table shows information about Emily's two jobs.

Job	Salary	Minimum Hours
Lifeguard	\$11 per hour	at least 5 per week
Store Clerk	\$9 per hour	at least 8.25 per week

What is the **least** amount of money Emily can earn in a week? Explain how you know.

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Item #29406

1
Point

35

What is the missing number?

$$\begin{array}{r} 67 \\ \times 48 \\ \hline 536 \\ + \boxed{?} \\ \hline 3216 \end{array}$$

- A. 268
- B. 1,150
- C. 2,680
- D. 3,320

Item #33359

1
Point

36

Select **all** of the equations that are true.

- A. $27 \times 72 = 1,934$
- B. $16 \times 93 = 1,488$
- C. $59 \times 46 = 2,714$
- D. $42 \times 35 = 1,270$

Item #34856

1
Point

37

$$2146 \div 37 =$$

- A. 56
- B. 58
- C. 68
- D. 72

Item #120994

1
Point

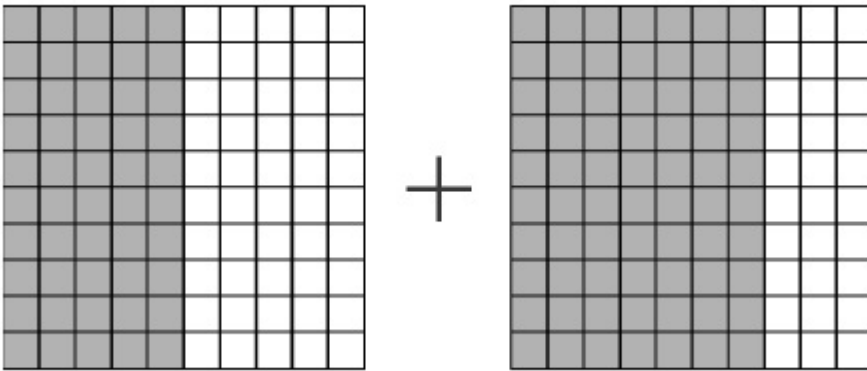
38

Ms. Montoya ordered 48 pencils for her class of 21 students. She gave each student an equal number of pencils. If she gave the greatest possible number of pencils to each student, how many pencils did she have left?

- A. 1
- B. 2
- C. 6
- D. 27

Item #125201

1 Point **39**



Yu went to the store with his mother. She ordered 0.5 pound of ham and 0.7 pound of cheese from the deli.

How much ham and cheese did Yu's mother order?

- A. 0.12 lb
- B. 0.57 lb
- C. 0.75 lb
- D. 1.2 lb

Item #6929

1
Point

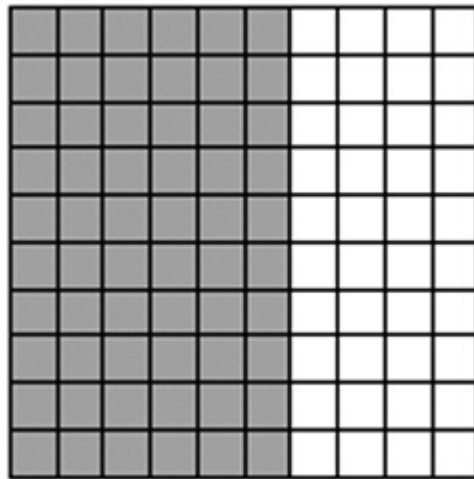
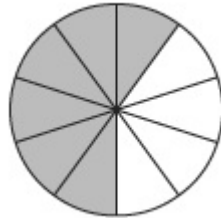
40

What is $128.64 \div 4$?

- A. 3.216
- B. 32.16
- C. 34.41
- D. 42.18

Item #8364

1
Point **41**



What is the sum of the shaded parts of these figures?

- A. 0.12
- B. 0.6
- C. 0.8
- D. 1.2

Item #16153

1
Point

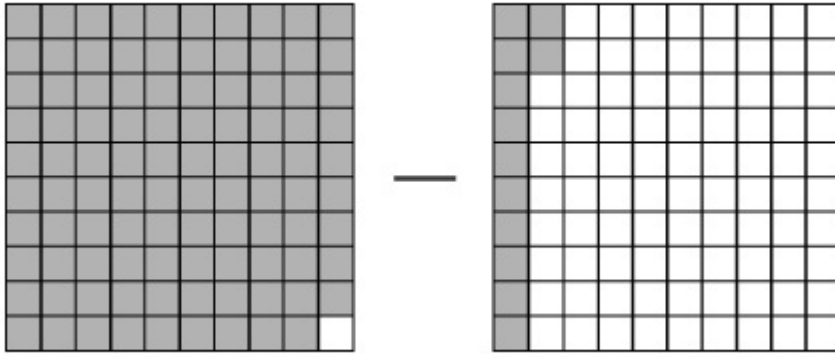
42

Mrs. Marshall bought 7 jigsaw puzzles for her grandchildren. Three of the puzzles cost \$4.75 each. The others cost \$5.63 each. What was the total cost of the puzzles?

- A. \$19.88
- B. \$31.14
- C. \$36.67
- D. \$36.77

Item #63684

1
Point **43**



Michael has 0.99 ounce of water in a bowl. He drops a spoon into the bowl and 0.12 ounce of water spills out. How much water is left in the bowl?

- A. 0.77 oz
- B. 0.87 oz
- C. 1.07 oz
- D. 1.11 oz

Item #64427