NAME: _____ DATE: _____

COMPREHENSIVE ASSESSMENTS

1. When simplifying this expression, what step should you take first?

$$8 \times 4 + \{2 \times [24 - (8 + 4)]\}$$

A. Subtract 8 from 24
B. Multiply 2 and 24
C. Multiply 8 and 4
D. Add 8 and 4

5.OA.A.1

2. The value of Expression A will be _____ times the sum of 1,684 and 267.

Expression A: $(3+4)(267+1,684)$

5.OA.A.2

3. **True or False:** In this table, when the x-value is 10, the corresponding y-value will be 16.

x	2	4	6
y	3	6	9

A. True
B. False

5.OA.B.3

4. The rule for finding a sequence of numbers on a graph is "x is half of y".

True or False: When the *y*-value is 40, the *x*-value is 20.

A. True
B. False

5.OA.B.3

5. Using the number 7.251, fill in the blanks below.

A. Ones digit: _____
B. Tenths digit: _____
C. Hundredths digit: _____
D. Thousandths digit: _____

5.NBT.A.1

COMPREHENSIVE ASSESSMENTS

ASSESSMENT ①

6. Write in the value of each digit in the number 34.827.

2: _____

3: _____

7: _____

4: _____

8: _____

5.NBT.A.1

7. What is the standard notation of 7.82×10^2 ?

A. 78.2
B. 782
C. 7,820
D. 78,200

5.NBT.A.2

8. Solve:
$12.4 \times 10^3 =$ _____

A. 124
B. 1,240
C. 12,400
D. 124,000

5.NBT.A.2

9. Write this number in standard form.

$$5 \times 10 + 8 \times 1 + 2 \times (1/10) + 1 \times (1/100) + 3 \times (1/1{,}000)$$

_____

5.NBT.A.3

10. Write this number in standard form.

$$6 \times 100 + 7 \times 10 + 9 \times 1 + 1 \times (1/10) + 2 \times (1/100) + 8 \times (1/1{,}000)$$

_____

5.NBT.A.3

NAME: ..... DATE: .....

COMPREHENSIVE ASSESSMENTS

11. A question on Al's test required him to round 2.3482 to a specific decimal place. Which response would NOT be a correct answer?

A. 2.4 **B.** 2.3
C. 2.35 **D.** 2.0

5.NBT.A.4

12. There are 392 fifth graders entering middle school next year, all traveling to school by bus. If each bus can carry 48 students, how many buses are required to go to the middle school for a visit?

A. 6 **B.** 7
C. 8 **D.** 9

5.NBT.A.4

13. Workers in a factory earn $9/hour. They work 40 hours every week. If there are 138 workers, how much does the company pay every week in wages?

A. $39,744 **B.** $52,164
C. $49,680 **D.** $52,668

5.NBT.B.5

14. An art gallery sells 15 paintings in 1 day. If the average price is $1024, how much money did the gallery make that day?

A. $15,630 **B.** $10,280
C. $12,630 **D.** $15,360

5.NBT.B.5

15. John is giving his sisters gift bags with candy. He has 5 bags of one type of candy and 10 bags of another type of candy. If he has three sisters, how many bags of candy will each sister receive?

A. 2 **B.** 3 **C.** 4 **D.** 5

5.NBT.B.6

16. Alison is making necklaces with beads. If she has 267 beads and each necklace takes 30 beads, how many beads will she have left over?

A. 8 **B.** 9 **C.** 24 **D.** 27

5.NBT.B.6

COMPREHENSIVE ASSESSMENTS

ASSESSMENT 1

17. Joseph drove his truck for $2\frac{1}{2}$ hours at a speed of 63 miles per hour. How far did he drive?

A. 126 miles
B. 157.5 miles
C. 189 miles
D. 25.2 miles

5.NBT.B.7

18. Emily joined a gym that costs $39.89 a month. About how much will she pay for her gym membership per year?

A. $80 **B.** $40
C. $480 **D.** $360

5.NBT.B.7

19. A recipe required $\frac{3}{5}$ cups of white sugar and $\frac{1}{4}$ cups of brown sugar. When the two sugars were combined, how much sugar was used altogether?

A. $\frac{4}{5}$ cups **B.** $\frac{2}{9}$ cups
C. $\frac{13}{20}$ cups **D.** $\frac{17}{20}$ cups

5.NF.A.1

20. Olivia was reading two books at the same time. She read $\frac{7}{8}$ of the first book, and $\frac{1}{6}$ of the second book. What combined fraction of both books did she read?

A. $\frac{8}{48}$ **B.** $\frac{46}{48}$
C. $\frac{50}{48}$ **D.** $\frac{48}{50}$

5.NF.A.1

21. A baker is making an apple pie. She needs $\frac{2}{5}$ teaspoons of cinnamon and $\frac{1}{3}$ teaspoons of nutmeg. When the two spices are combined, how much spice is used altogether?

A. $\frac{10}{15}$ teaspoons **B.** $\frac{11}{15}$ teaspoons
C. $\frac{12}{15}$ teaspoons **D.** $\frac{13}{15}$ teaspoons

5.NF.A.2

NAME: ..... DATE: .....

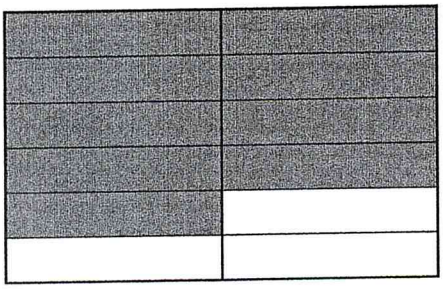
COMPREHENSIVE ASSESSMENTS

22. A can of paint was $\frac{4}{5}$ full. Alex used $\frac{2}{3}$ of the remaining paint. What expression can be used to determine the fraction of the paint left in the can?

A. $\frac{4}{5}+\frac{4}{5}$ **B.** $\frac{4}{5}-\frac{2}{3}$ **C.** $\frac{4}{5}+\frac{2}{3}$ **D.** $\frac{2}{3}-\frac{4}{5}$

5.NF.A.2

23. A fraction of the figure below is shaded. Which expression represents this fraction as a division problem?



A. 9×12

B. $9 \div 12$

C. 3×12

D. $3 \div 12$

5.NF.B.3

24. Which response represents $4 \div 5$ as a fraction?

A. $\frac{4}{20}$ **B.** $\frac{5}{4}$ **C.** $\frac{4}{5}$ **D.** $\frac{4}{9}$

5.NF.B.3

25. Simplify: $4 \times \frac{2}{3}$

A. $\frac{8}{3}$ **B.** $\frac{6}{3}$ **C.** $\frac{2}{3}$ **D.** $\frac{14}{3}$

5.NF.B.4

26. Solve: $3 \times \frac{4}{5}$

A. $\frac{7}{5}$ **B.** $\frac{15}{4}$ **C.** $\frac{19}{5}$ **D.** $\frac{12}{5}$

5.NF.B.4

COMPREHENSIVE ASSESSMENTS

ASSESSMENT ①

27. A can of paint was $\frac{3}{4}$ full. Tori used $\frac{4}{5}$ of the remaining paint, what fraction of the entire can of paint did Tori use?

A. $\frac{12}{20}$ of the entire can of paint **B.** $\frac{6}{10}$ of the entire can of paint

C. $\frac{3}{5}$ of the entire can of paint **D.** All of the above.

5.NF.B.5

28. Kelly used $1\frac{1}{3}$ teaspoons of cinnamon for each batch of French toast in a restaurant. If she made 21 batches of French toast, how many teaspoons of cinnamon did Kelly use in all?

A. 26 **B.** 27 **C.** 28 **D.** 29

5.NF.B.5

29. Chris spent $2\frac{1}{8}$ hours on math homework every day for $5\frac{2}{5}$ days. How many hours did Chris spend on his math homework?

A. $11\frac{3}{8}$ **B.** $11\frac{7}{8}$ **C.** $11\frac{19}{40}$ **D.** $11\frac{1}{4}$

5.NF.B.6

30. Travis earns $15 a week from completing his chores. How much money does Travis earn in $6\frac{1}{10}$ weeks?

A. $91 **B.** $91.50 **C.** $92 **D.** $92.50

5.NF.B.6

31. Simplify: $7 \div \frac{7}{8}$.

_____

5.NF.B.7

NAME: _____ DATE: _____

COMPREHENSIVE ASSESSMENTS

32. This table shows the weight of 4 containers of berries.

Fruit	Weight (pounds)
Strawberries	1.55
Blackberries	1.38
Raspberries	1.2
Blueberries	1.39

Edward estimates the 4 containers weigh a total of 64 ounces. Do you agree with Edward? Explain your reasoning.

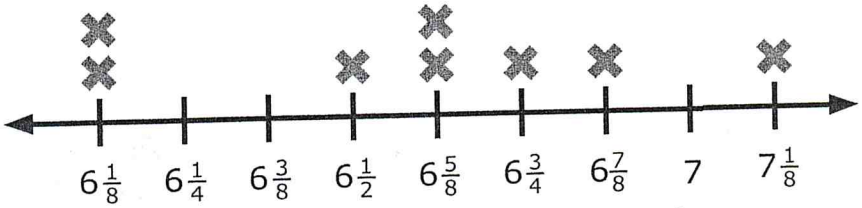
_____

_____

_____

5.MD.A.1

33. This line plot shows the weight of 8 oranges.



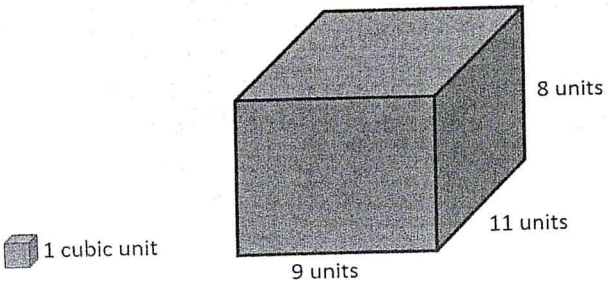
Weight of oranges (ounces)

What is the combined weight, in ounces, of the oranges?

_____

5.MD.B.2

34. Dev uses a layer of 99 cubes to fill the base of this rectangular prism.



How many layers of 99 cubes does Dev need to fill the rectangular prism?

A. 9 **B.** 8

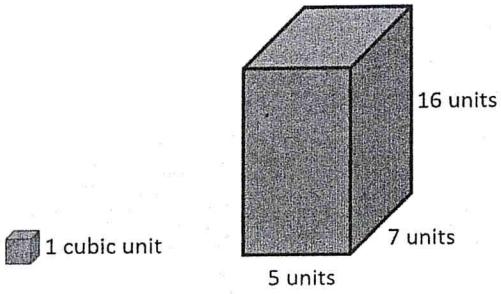
C. 11 **D.** 3

5.MD.C.3

COMPREHENSIVE ASSESSMENTS

ASSESSMENT ①

35. Hyun uses 80 cubes to fill the base of this rectangular prism.

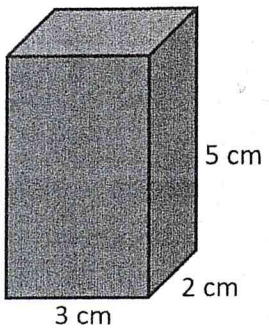


How many layers of 80 cubes does Hyun need to fill this rectangular prism?

A. 16 **B.** 3
C. 7 **D.** 5

5.MD.C.3

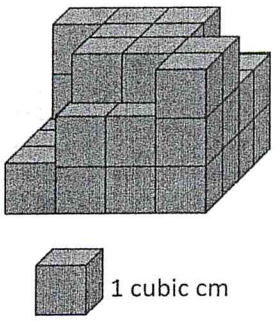
36. How many centimeter cubes are needed to fill the rectangular prism?



_____

5.MD.C.4

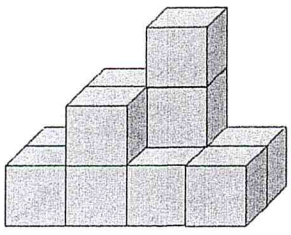
37. What is the volume of this solid?



_____

5.MD.C.4

38. Reid is packaging this sculpture inside a box.



The length of each cube is 3 inches. Which box should Reid use? Explain your reasoning.

...question 38. continued next page

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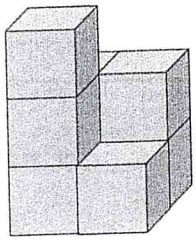
COMPREHENSIVE ASSESSMENTS

Box A	Box B	Box C
Length: 4 in	Length: 8 in	Length: 13 in
Width: 2 in	Width: 12 in	Width: 6 in
Height: 3 in	Height: 10 in	Height: 16 in

5.MD.C.5

39. Gabriel is packaging this sculpture inside a box.



The length of each cube is 5 inches. Which box should Gabriel use? Explain your reasoning.

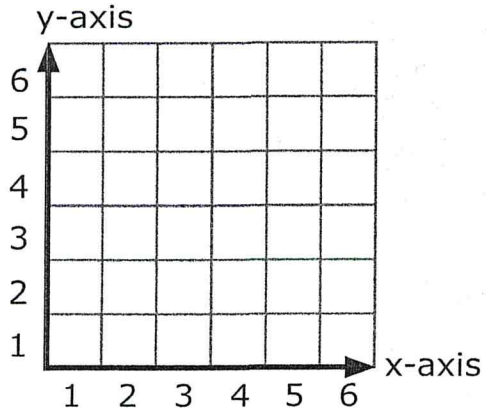
Box A	Box B
Length: 10 in	Length: 15 in
Width: 5 in	Width: 10 in
Height: 20 in	Height: 15 in

5.MD.C.5

COMPREHENSIVE ASSESSMENTS

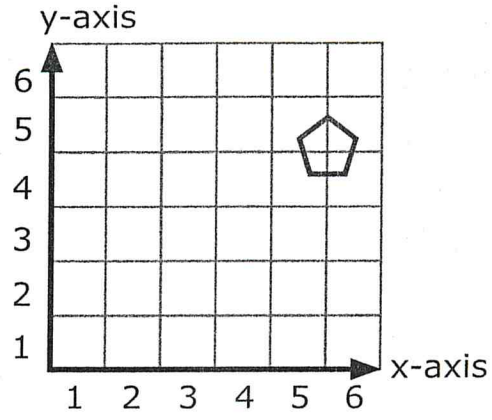
ASSESSMENT 1

40. Place a point on the graph at the coordinates (3, 0).



5.G.A.1

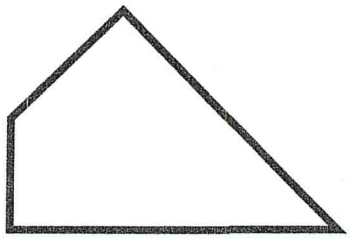
41. The coordinates of the pentagon are (4, 5).



A. True **B.** False

5.G.A.2

42. True or False: This quadrilateral is a trapezoid.

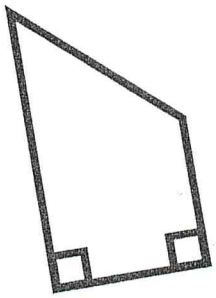


A. True

B. False

5.G.B.3

43. What name best describes this shape?



_____

5.G.B.3

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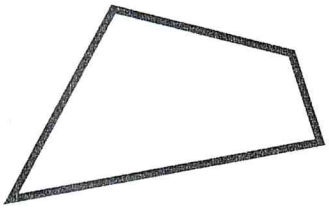
COMPREHENSIVE ASSESSMENTS

44. True or False: The name that best describes this shape is the square.

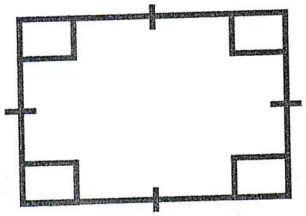


A. True

B. False

5.G.B.4

45. What name best describes this shape?



_____

5.G.B.4