



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Student Work Samples 
2010**

Grade 5



Mathematics

11

16

11



the perimeter of this shape is 16 units

11



I think its 18
because there are 18
sides.

12

five

12

2, 4, 5, 7, 8, 15

5 is the median age of Selene's cousins.

12

8, 3, 7, ③, 15, 2, 5



13

$$\begin{array}{r} \$1.25 \\ \$1.25 \\ \$1.25 \\ \hline 3.75 \end{array} \quad \begin{array}{r} 615 \\ \$3.75 \\ - \$3.49 \\ \hline \$0.26 \end{array}$$

It is 26¢ or \$0.26 more if you buy the singles.



13

$$\begin{array}{r} 1.25 \\ \times 3 \\ \hline 3.75 \end{array}$$

$$\begin{array}{r} 3.75 \\ - 3.49 \\ \hline 0.26 \end{array}$$

26x more



13

It will cost 25¢ more to buy 3 tubes.



13

Toothpaste: $\boxed{46\#}$

3 single tubes package
\$1.25 \$3.49

\$1.25

\$1.25

\$1.25

\$3.95

~~\$3.95~~
- 3.49

\$0.46



13

I + will cost \$4.74



13

$$\begin{array}{r} \$3.49 \text{ package 3toobs} \\ - \$1.25 \text{ 1 Single toob} \\ \hline \$2.24 \end{array}$$

14

A. They are both 3-D.

B. The base of a cylinder is a circle and the base of a rectangular prism is a rectangle.

14

a) The 2 have volume

b) The base of the cylinder is circular

The base of the rectangular prism is rectangular

14

Cylinder



rectangular
prism



a cylinder and a rectangular prism
are both 3 dimensional.

14

One way that a cylinder and a rectangular prism are alike is they have two bases.

One way that a cylinder and a rectangular prism are different is a cylinder is round like a sphere and the rectangular prism is rectangular.

Ⓐ A cylinder and rectangular prism are alike by both of them have parallel lines.

Ⓑ A cylinder and rectangular prism are different because a cylinder has no faces and rectangular has faces.

14

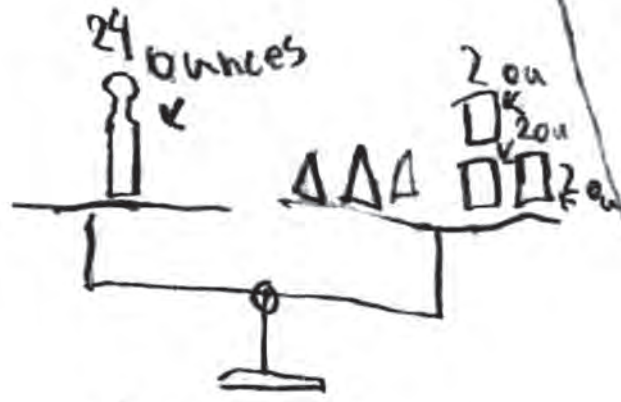
- A. They both have four equivalent sides
- B. One called a Cylinder the other is called Rectangle.

a. 6 ounces

b.



c.



24 ounce

$$6 \div 3 = 2$$

$$\square = 2 \text{ ounces}$$

3 Δ triangles Δ
 3 \square squares \square

15

A. $\Delta = 6$ ounces

B. $\square = 2$ ounces

because $3 \Delta = 18$ and

$2 \Delta = 12$ so $6 \div 3 = 2$ (2)

C. Kevin could use 3 Δ and 3 \square

(A) $\Delta = 6$ ounces

(B) $\square = 2$ ounces

if $\Delta = 6$ ounces and on
scale $2 \times 3 \Delta$'s would be
equal to 18. on the other
side there where 2 Δ 's there
already so there where

3 boxes (\square) because if

they are each worth 2 then
the amount of ounces is
equal.

(C)

6- Δ 4- \square

15

A. 6 ounces B. 2 ounces

C. 2 of these A and 6 of these

- a. The weight of \triangle in ounces is 6 ounces.
-
- b. The weight of \square in ounces is 2 ounces.
-

- c. You would need 4 \triangle on one side and 3 \triangle and 2 \square on the other side.



15

a. 2 ounces

b. 2 ounces because on scale two if all of them were two ounces it would weigh 16 ounces and scale one would weigh 16 ounces

c. $\square \square \square \square \square \square \quad \triangle \triangle \triangle \triangle \triangle \triangle$

$$2+2+2+2+2+2 + 2+2+2+2+2+2 = 24$$

15

~~A) 6 ounces~~

B) ~~6~~ ounces

C) $\Delta\Delta\Delta\Delta = 24$

15

a. 3 ounces

b. 3 ounces

c. 2 of \triangle and 2 of the \square