

NAME: _____ PERIOD: _____



NUMBERS & OPERATIONS	6.NS.1	6.NS.2	6.NS.3	6.NS.4	6.NS.5	6.NS.6	6.NS.6.a	Unit 1 & Unit 7
	6.NS.6.b	6.NS.6.c	6.NS.7	6.NS.7.b	6.NS.7.c	6.NS.7.d	6.NS.8	
RATIOS & PROPORTIONS	6.RP.1	6.RP.2	6.RP.3	6.RP.3a	6.RP.3.b	6.RP.3.c	6.RP.3.d	Unit 2
EXPRESSIONS & EQUATIONS	6.EE.1	6.EE.2	6.EE.2.a	6.EE.2.b	6.EE.2.c	6.EE.3		Unit 3 & Unit 4
	6.EE.4	6.EE.5	6.EE.6	6.EE.7	6.EE.8	6.EE.9		
GEOMETRY	6.G.1	6.G.2	6.G.3	6.G.4				Unit 5
STATISTICS & PROBABILITY	6.SP.1	6.SP.2	6.SP.3	6.SP.4	6.SP.5	6.SP.5a		Unit 6
	6.SP.5.a	6.SP.5b	6.SP.5c	6.SP.5.d				

* Students can check what they know and do not know by using the checklist above.

* Each question has a standard next to it.

* If the student gets the question wrong s/he needs to put an X next to the standard in the box above.

* Get practice problems, videos, HELP at the websites above!

* * These are the most occurring questions on the CRCT!

NS.4

1. Lilly's photo album holds 8 photos per page. Milly's album holds 12 photos/page. Both albums hold the same total of photos. If both albums are full, which could be the number of photos in each album?

- A) 40
- B) 72
- C) 88

RP.3a

L
M

2. Beverly has 16 total dogs and cats. Three out of every four pets are cats. How many of the 16 are dogs?

- A) 12
- B) 4
- C) 6

**make a proportion to help:

G.2

3. What is the volume of a rectangular prism with a length of 7 cm, a width of 3 cm, and a height of 4 cm?

- A) 112 cu. cm
- B) 40 cu. cm
- C) 84 cu. cm
- D) 25 cu. Cm

EB.5
EB.7

4. What makes $Y = X + 5$ a true statement?

- A) $X = 6$ and $Y = 1$
- B) $X = 1$ and $Y = 6$
- C) $X = 3$ and $Y = 15$

RP.3a

5. Kate needs 12 oz. of tuna to every 8 oz. of noodles for a casserole. If she uses only 9 oz. of tuna, how many ounces of noodles will she need?

- A) 24 oz.
- B) 4 oz.
- C) 6 oz.

EB.5
EB.6
EB.7
NS.1

6. Solve: $\frac{1}{3}N = 21$

- A) $N = 7$
- B) $N = 42$
- C) $N = 18$
- D) $N = 63$

RP.3.a

7. For every 15 dollars Drew earned, he saved 4. If he earned 75 dollars how much did he save?

- A) \$20
- B) \$64
- C) \$15

NS.4

8. What is equal to $5X + 15$?

- A) $5(5X + 3)$
- B) $5(X + 3)$
- C) $5(X + 15)$

G.2

9. What is the best unit of measure to represent the volume of a lunchbox?

- A) cu. inches
- B) cu. feet
- C) sq. inches
- D) sq. feet

NS.4

10. What is the LCM of 10 and 14?

- A) 24
- B) 2
- C) 140
- D) 70

EB.9

11. What equation is being shown with the data to the right?

X	Y
2	14
3	21
5	35

- A) $Y = 12X$
- B) $Y = 7X$
- C) $X = 7Y$

NS.3
EB.5
EB.7

12. If $y = 0.6x$, what is y if $x = 4$?

- A) 2.4
- B) 4.6
- C) 0.64

EB.5
EB.6
EB.8

13. Marcus had \$100 and spent \$80 before lunch. Which inequality represents how much money he has left to spend?

- A) $x > 20$
- B) $x < 20$
- C) $x \leq 20$

RP standards

*** PROPORTIONS ***

Read the question twice carefully. Set up your proportion and label the data. You may have to simplify one of the ratios to help. Just having the proportion set up should help you eliminate answers.

G4
14. What is the total surface area of a cube with each side equal to 12 cm?

- A) 72 sq. cm
- B) 864 sq. cm
- C) 432 sq. cm
- D) 144 sq. cm

EE.9
15. What rule best describes the relationship between x and y?

X	3	4	5	12
Y	14	18	22	50

- A) x increases by 1 as y increases by 2
- B) y increases by 4 as x increases by 1
- C) y increases by twice x plus 8

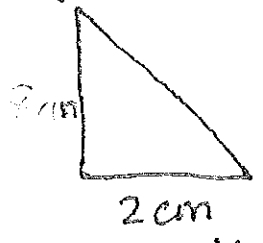
19. Nelly ran 3 laps in 5 minutes. At the same rate, how long would it take her to run 9 laps?

$$\frac{L}{M} = \frac{\quad}{\quad}$$

20. Magic Markers are on sale at a special rate of 4 for \$2.00. How many markers could be bought for \$5.00?

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

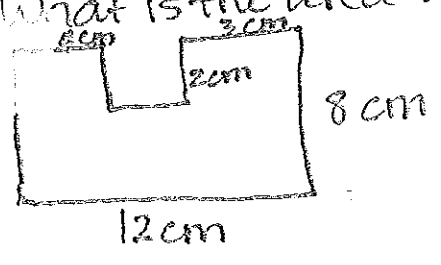
16. G.1
What is the area of the figure below?



21. A Radio Station plays 4 commercials every 30 minutes. At this rate, how many commercials will they play in 90 minutes?

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

17. G.1
What is the area?



22. Allison is baking cookies. She knows that 3 cups of flour makes 4 dozen cookies. How many cups of flour will she need to make 18 dozen cookies?

- A) $13 \frac{1}{2}$
- B) 17
- C) 8
- D) $20 \frac{1}{4}$

NS.1
18. How many $\frac{1}{4}$ pint portions are in $\frac{5}{8}$ of a pint of chili?

- A) $\frac{32}{5}$
- B) $\frac{5}{32}$
- C) $\frac{5}{2}$
- D) $\frac{2}{5}$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

13. Which situation would you describe with a negative integer?

- A. an airplane flying at an altitude of 30,000 feet
- B. a deposit of \$50 into a savings account
- C. a temperature of 30°F
- D. a submarine cruising at 100 feet below sea level

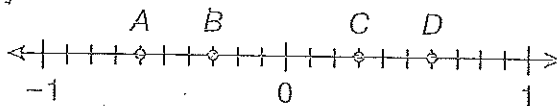
14. Which is the opposite of -17?

- A. 71
- B. 17
- C. -17
- D. -71

15. Which is equivalent to $|-50|$?

- A. -50
- B. -5
- C. 5
- D. 50

16. Which point on the number line represents 0.3?



- A. point A
- B. point B
- C. point C
- D. point D

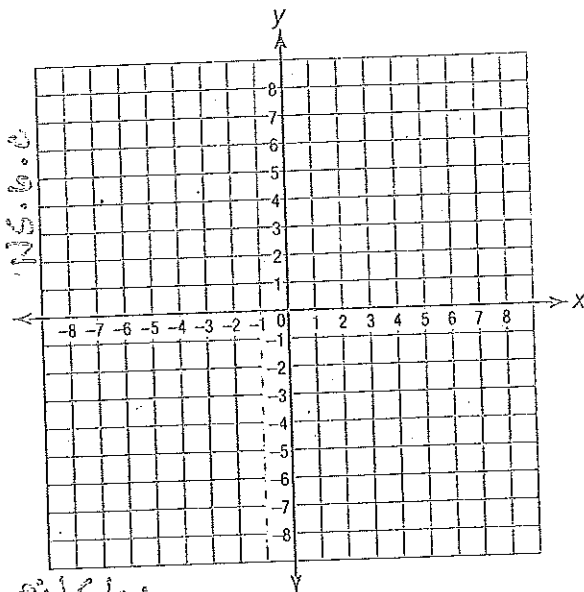
17. Which expression is equivalent to $16 + 56$?

- A. $2(14 + 54)$
- B. $4(4 + 12)$
- C. $7(2 + 8)$
- D. $8(2 + 7)$

18. Which shows how you can check that $\frac{3}{4} \div \frac{5}{6} = \frac{9}{10}$?

- A. $\frac{9}{10} \div \frac{5}{6} = \frac{3}{4}$
- B. $\frac{9}{10} \div \frac{3}{4} = \frac{5}{6}$
- C. $\frac{5}{6} \times \frac{9}{10} = \frac{3}{4}$
- D. $\frac{6}{5} \times \frac{9}{10} = \frac{3}{4}$

19. Plot and label point P at (4, -3) on the coordinate grid.



20. What are the coordinates for the reflection across the x axis?

(,)

21. What is $13,725 \div 45$?

- A. 35
- B. 305
- C. 350
- D. 3,005