1. A recipe calls for 2 eggs for every 3 cups of milk. If you use 12 cups of milk, how many eggs do you need?
   - (1) $^3/_{14}$
   - (2) $^1/_3$
   - (3) 2
   - (4) 8
   - (5) 24

Problems 2 and 3 refer to the following information.
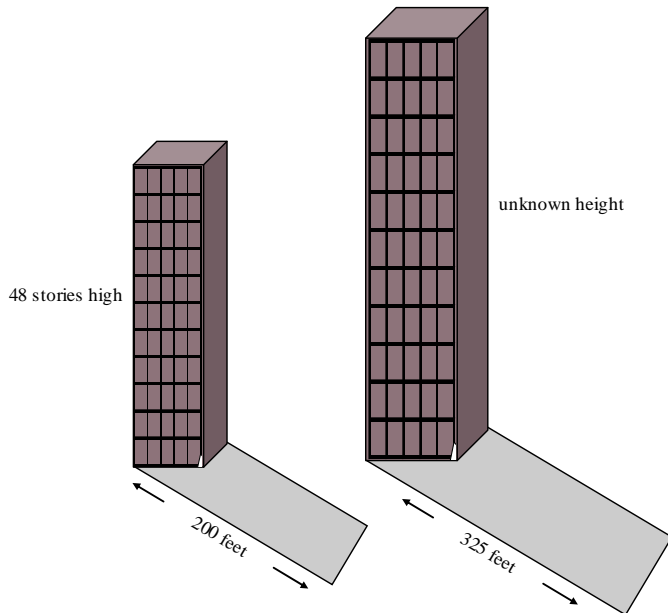There are 50 problems on a GED math test. Kevin got 86% of them right.

2. How many problems did Kevin get **right**?
   - (1) 34
   - (2) 36
   - (3) 42
   - (4) 43
   - (5) 44

3. How many problems did Kevin get **wrong**?
   - (1) 3
   - (2) 4
   - (3) 5
   - (4) 6
   - (5) 7

4. Debra wants to buy a $600 stereo system. She put 15% down and **paid the rest** in 3 equal payments. How much will each payment be?
   - (1) $15.00
   - (2) $90.00
   - (3) $170.00
   - (4) $510.00
   - (5) Not enough information is given.

5. Gloria weighs 126 pounds on Earth. She would weigh $^1/_6$ as much on the moon. Which expression below shows how much she would weigh on the moon?
   - (1) $(126) ^1/_6$
   - (2) $6 (126)$
   - (3) $126 + ^1/_6$
   - (4) $126 - 6$
   - (5) Not enough information is given.

6. Mrs. Martinez used the Colorado Job Service Employment Agency to find a job. The employment agency charged a fee of 15% of the first month's salary for finding Mrs. Martinez a job. How much of Mrs. Martinez's first month's earnings **will she have left** after paying the employment agency its fee if she earns $1800 per month?
   - (1) $270
   - (2) $1,530
   - (3) $1,715
   - (4) $1,785
   - (5) Not enough information is given.

7. In the formula, $t = 5p(s + 3)$, find t if $p = 2$ and $s = 4$.
   - (1) 59
   - (2) 70
   - (3) 80
   - (4) 364
   - (5) 527

8. Before she received an 8% raise, Judy's monthly salary was $1250. Which expression gives Judy's monthly salary **after** she got the raise?
   - (1) $(.08) (\$1250)$
   - (2) $\$1250 + (.08) (\$1250)$
   - (3) $\$1250 - (.08) (\$1250)$
   - (4) $(.92) (\$1250)$
   - (5) $(.92) (\$1250) + (\$1250)$

9. A sweater that regularly sells for $39.00 is marked down 30% during a weekend sale. Find the **sale price** of this sweater.
   - (1) $9.00
   - (2) $11.70
   - (3) $27.30
   - (4) $69.00
   - (5) Not enough information is given.

10. Which of the following expressions has a value of 8?
    - (1) 8^1
    - (2) 2^2
    - (3) 2^4
    - (4) 4^2
    - (5) 8^4

11. Mia measured the shadows of two skyscrapers in downtown Colorado Springs. Approximately how many stories high is the taller building?

unknown height

48 stories high
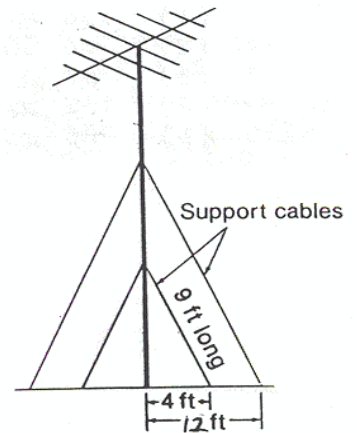
200 feet

325 feet

(1)   25 stories high
(2)   78 stories high
(3)   87 stories high
(4)   152 stories high
(5)   156 stories high

12. Patricia is worried that a nearby tree may topple onto her house during the next winter. To see if this is possible, Patricia decides to measure the tree's height. At 9:00 one morning she notices that a yardstick casts a shadow of 4 feet. What else must Patricia know to be able to determine the **height of the tree**?
(1)   the angle of the sun over the horizon
(2)   the distance between the yardstick and the tree
(3)   the length of the tree's shadow
(4)   the diameter of the tree
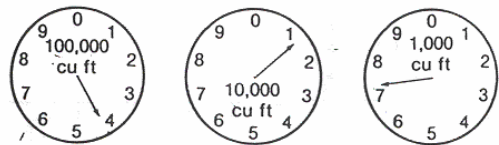(5)   the distance of the tree from the house

13. Which of the following expressions has the largest value?
(1) $3^2 - 2^1$
(2) $4^2 - 3^2$
(3) $3^3 - 5^2$
(4) $9^1 - 2^2$
(5) $9^2 - 1^4$

14. A radio antenna is attached to the roof of Jill's house by support cables. As shown in the drawing, the upper and lower cables are parallel, and they attach to the flat roof. If the lower cable is 9 feet long, what is the length of the upper cable?

Support cables

9 ft long

4 ft
12 ft

(1)   24 feet
(2)   27 feet
(3)   48 feet
(4)   108 feet
(5)   Not enough information is given.

15. What is the reading on the following 3 dials of a meter? When the needle is between two numbers, read the **smaller** of the two numbers.

100,000 cu ft

10,000 cu ft

1,000 cu ft

(1)   41.7 cubic feet
(2)   417 cubic feet
(3)   4,170 cubic feet
(4)   41,700 cubic feet
(5)   417,000 cubic feet

16. The normal body temperature is 98.6. If a thermometer indicates a temperature of 102° F, **how much higher** than normal is the temperature on the thermometer?
(1) 2.2° F
(2) 2.6° F
(3) 3.0° F
(4) 3.4° F
(5) 3.6° F

17. If it takes Saya 60 minutes to walk 3 miles, how long would it take her to walk 6 miles if she walked at the same rate?

18. In Ryan's drawer are 6 white undershirts and 4 black ones. If Ryan reaches into his drawer and takes out an undershirt, what is the **probability** it will be black? Express your answer as a percent.
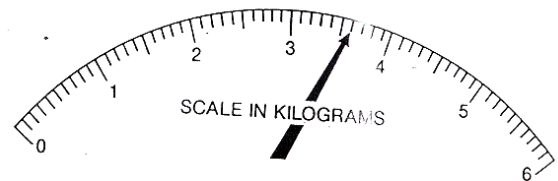(1) 20%
(2) 30%
(3) 40%
(4) 45%
(5) 55%

19. When Michelle remodeled her house, she spent $2400 for materials and $4200 for labor. Find the **ratio** of the labor costs to the costs of material.
(1) 4:7
(2) 7:4
(3) 7:3
(4) 3:7
(5) Not enough information is given.

20. Rick, a plumber, cut 3 ¾ feet off a 20 foot drainpipe. He then cut the remaining long piece into 5 pieces of equal length. Assuming no waste, what length in feet is each of the five equal pieces?
(1) 3.25 feet
(2) 3.75 feet
(3) 5.25 feet
(4) 6.25 feet
(5) 16.25 feet

21. Which of the following correctly represents the weight shown on the scale?

(1) 2.6 kilograms
(2) 3.4 kilograms
(3) 3.5 kilograms
(4) 3.6 kilograms
(5) 7.1 kilograms

22. Apples, normally selling at $.99 per pound, are on sale for $.49 per pound. During the sale, what will 3 ¼ pounds of apples cost to the nearest **dime**?
(1) $1.20
(2) $1.30
(3) $1.40
(4) $1.50
(5) $1.60

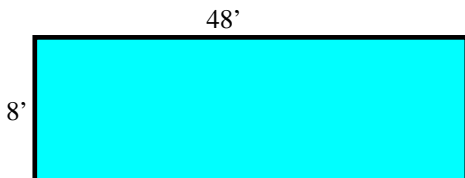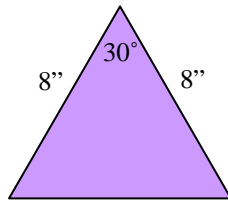**23.** At Lorenso's garden shop, Lorenzo sells topsoil by the ton. On Saturday, he sold four pickup loads of topsoil as shown below:

> Load A = .629 ton
> Load B = .714 ton
> Load C = .709 ton
> Load D = .68 ton

Which sequence lists these four loads from heaviest to lightest?
(1)   B, C, D, A
(2)   C, A, D, B
(3)   B, D, C, A
(4)   C, D, A, B
(5)   B, C, A, D

24. Find the measurement of **each** base angle.
(1)   74°
(2)   75°
(3)   90°
(4)   150°
(5)   180°

30°
8"   8"

25. Find the **perimeter**.

48'
8'

(1)   66'
(2)   56'
(3)   96'
(4)   112'
(5)   125'

26. Pam's odometer read 07,145.7 on Monday morning. What will the new reading on the odometer be if she drove 3 hours at 55 miles per hour?
(1)   731.7
(2)   7,310.7
(3)   73,100.7
(4)   73,107.7
(5)   73,170.7

27. Francesca wants new furniture that costs $1800. She paid 10% down and $55 a month for 36 months. Find the **total** amount she paid for the furniture.

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

28. Lorena's Shoe Store pays $20.00 for a pair of children's shoes. She puts a 45% markup on each pair. Find the selling price of a pair of children's shoes at Lorena's Shoe Store.
(1) $5.40
(2) $7.40
(3) $9.00
(4) $12.40
(5) $29.00

29. If Marie and her 2 roommates share their apartment rent evenly, what is each girl's portion of their $300 rent?
    (1) $75.00
    (2) $100.00
    (3) $125.00
    (4) $150.00
    (5) $175.00

30. The OJC bookstore received a supply of 8 dozen calculators, which it sold for $10.00 each. If the bookstore sold all but 2 dozen of the calculators, how much money did it make?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

31. Marie paid $150 down and $48 a month for 30 months for new furniture. What total amount did she pay for the furniture?
    (1) $5,940
    (2) $1,440
    (3) $1,290
    (4) $1,390
    (5) $1,590

32. Brianna needs 3 ½ yards of nylon at $2.40 per yard. How much change should she get back from a $20 bill?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

33. During a four day work week, a salesman at Plawski Jewelry Store sells jewelry items. His average pay per day is $334.

    Monday $42
    Tuesday $126
    Wednesday $782
    Thursday   _____

    What is his pay for Thursday?
    (1) $334
    (2) $330
    (3) $336
    (4) $386
    (5)   Not enough information is given.