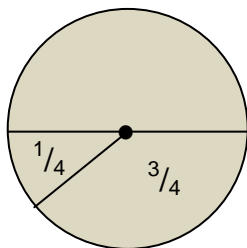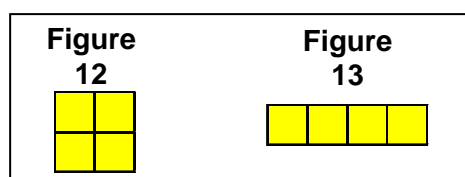1. The total circle is 40.
    How much is the portion labeled $^3/_4$?
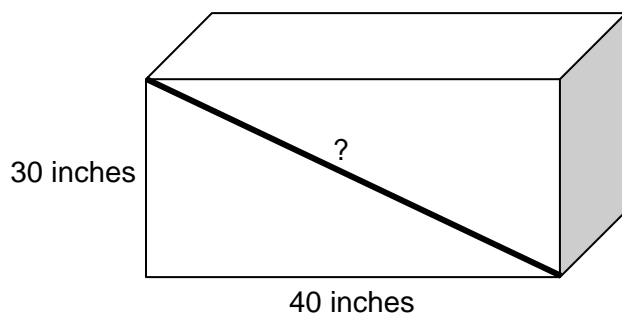
    (1) 5

    (2) 10

    (3) 15

    (4) 20

    (5) Not enough information given.

2. Each box in Figure 12 and Figure 13 is a
    6 inch square. Which of the following
    statements is accurate about
    Figure 12 and Figure 13?

    Figure 12 **Figure 13**

    (1) The perimeter of Figure 12 is equal to
         the perimeter of Figure 13.

    (2) The perimeter of Figure 12 is greater
         than the perimeter of Figure 13.

    (3) The area of Figure 12 is equal to the
         Area of Figure 13.

    (4) The area of Figure 12 is greater than
         the area of Figure 13.

    (5) The area of Figure 12 is smaller than
         the area of Figure 13.

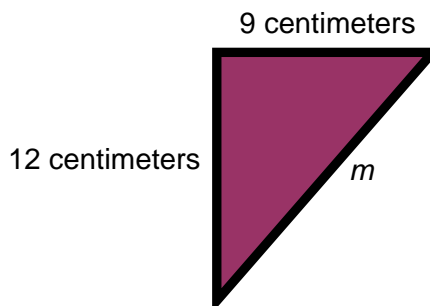3. What is the shortest distance across the
    shoebox?

    30 inches

    ?

    40 inches

    (1) 40 inches

    (2) 45 inches

    (3) 50 inches

    (4) 55 inches

    (5) 60 inches

4. Round 1,479,773 to the nearest **thousand**
    place?

    (1) 1,478,000

    (2) 1,479,000

    (3) 1,480,000

    (4) 1,490,000

    (5) 1,500,000

5. The quilt piece is triangular shaped.
    Find the length of side m.

    9 centimeters

    12 centimeters

    m

6. Vinny's average salary for June, July, and
    August was $3000. How much did she
    make in August?

June	$1900
July	$2700
August	?

    (1) $3000

    (2) $3500

    (3) $4000

    (4) $4400

    (5) $5400

7. August 1st is a Thursday. Newspaper is picked up on the third Tuesday of the month. Glass is picked up on the second Thursday. When will newspaper be picked up next?

    (1) August 6th

    (2) August 8th

    (3) August 13th

    (4) August 20th

    (5) August 27th

8. James has 4 shirts and 8 ties. How many different combinations can he wear without making any 2 alike?
    (1) 10
    (2) 12
    (3) 16
    (4) 32
    (5) Not enough information is given.

9. In 1990 there were 40 members in the Lake Meredith Boating Club. By 2000, the club had 70 members. By what percent did the membership increase?

    (1) 75%

    (2) 80%

    (3) 85%

    (4) 90%

    (5) 100%

10. Find the simple interest on $2500 at 8 ½ % annual interest for 6 months.

    (1) $10.60

    (2) $100.60

    (3) $106.25

    (4) $212.50

    (5) Not enough information given.

Questions 11 and 12 refer to the following diagram.

a	b	c
d	e	f
g	h	i

11. What is the **probability** of tossing a stone and landing it on **square e**?

    (1) $1/3$

    (2)   ¼

    (3) $1/5$

    (4) $1/6$

    (5) $1/9$

12. What is the **probability** of tossing a stone and landing it on **square a, e, or i**?

    (1) $1/3$

    (2)   ¼

    (3) $1/5$

    (4) $1/6$

    (5) $1/9$

13. Charles planned to arrive at his parents' house in Denver by 4:30. It takes him one hour and forty minutes to get from his house to theirs. What time should he leave?

    (1)   2:45

    (2)   2:50

    (3)   2:55

    (4)   3:00

    (5)   3:05

14. Carlos has to be at a meeting at 3:10. It takes an hour and twenty minutes to get there. What time should he leave?

(1) 1:00

(2) 1:50

(3) 1:30

(4) 2:05

(5) 2:10

15. Veronica bought the following supplies for her kindergarten class.

| 10 books | @ $19.50 each |
| 20 boxes of crayons | @ $ 2.25 per box |

How much did Veronica spend altogether for these items?
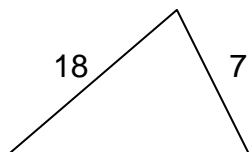
(1) $24.00

(2) $45.00

(3) $145.00

(4) $195.00

(5) $240.00

16. Find the **MEAN**.

65, 72, 83, 96, 53, 76, 54, 70, 75, 48, 56

(1) 66

(2) 68

(3) 70

(4) 74

(5) 748

17. Find the perimeter of the following triangle.

(1) 11

(2) 50

(3) 21

(4) 25

(5) Not enough information given.

18. There are 300 Piñon trees in Pike National Forest. $^3/_5$ of the Piñon trees will be cut down by 2012. How many Piñon trees will be cut down?

(1) 60

(2) 100

(3) 150

(4) 180

(5) 500

19. Trujillo's Express Copy Service charges the following rates for copies.

$3.00 flat rate
$ .10 per word

Henry made one copy of his project. The total price was $8.00. How many words were in his project?

(1) 10

(2) 50

(3) 60

(4) 70

(5) 150

20. 1 centimeter = 15 milliliters. How many centimeters are in 210 milliliters?

	Ø	Ø	Ø	
⊙	⊙	⊙	⊙	⊙
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

21. What is the value of y in $3y + 30 = 9y$?

    (1) 4

    (2) 5

    (3) 6

    (4) 10

    (5) 12

22. American Furniture has a sofa priced at $399.00. Dan plans to put 10% down and pay $36 a month for 12 months. How much would Dan save by paying cash for the sofa?

    (1) $29.90

    (2) $72.90

    (3) $300.00

    (4) $432.00

    (5) $471.90

23. The Lions Pep Club sold 40 raffle tickets at a wrestling match on Friday night and 50 tickets at a basketball game on Saturday night. The pep club made a total of $540. How much money did the pep club make just on **Friday**?

    (1) $6.00

    (2) $150.00

    (3) $240.00

    (4) $256.00

    (5) Not enough information given

24. Round 5,489,517 to the nearest **thousand**.

    (1) 5,480,000

    (2) 5,400,000

    (3) 5,000,000

    (4) 5,490,000

    (5) 5,480,000

25. $a = 4$ and $b = 3$

    Solve the following equation.

    $2ab^2 + 2a^2$?

    (1) 64

    (2) 72

    (3) 104

    (4) 128

    (5) 134

26. Boxes are arranged in the garage so that the **smallest decimal number** is on the left.

    Which of the following boxes should be farthest to the left?

    BOXES

720.495	720.013	720.2	720.43	720.02

    (1) 720.495

    (2) 720.013

    (3) 720.2

    (4) 710.43

    (5) 720.02