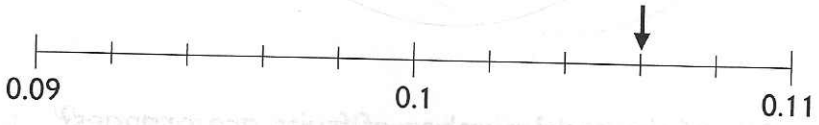
REVIEW 1

Write the answers in the boxes.

1. In 670,842, the value of the digit **7** is $7 \times \blacksquare$.
   What is the missing number in the $\blacksquare$?

2. A library has 247,495 books. Round off the number of books to the nearest thousand.

3. What is the number indicated by the arrow?



4. Find the value of $6.3 - 3.45$

5. What is the missing number in each $\blacksquare$?
   (a) $\frac{13}{5} = 2 + \frac{\blacksquare}{5}$
   (b) $4\frac{1}{2} = \blacksquare \times \frac{1}{2}$

6. Express 25 cents as a fraction of \$2 in its simplest form.

7. Express 750 g as a percentage of 2 kg.

8. Find the value of each of the following:
   (a) $\frac{2}{3} \div \frac{5}{6}$
   (b) $\frac{5}{8} \times (\frac{3}{4} + \frac{2}{5})$

9. The average height of 4 boys is 1.65 m. One boy is 1.68 m tall. Find the average height of the other 3 boys.

10. Ian, John and Juan shared a sum of money in the ratio 4 : 7 : 9. What percentage of the sum of money did John receive?

11. The usual price of a refrigerator is $800. It is sold at a discount of 15%. Find the selling price.

12. A boy is cycling at a speed of 200 m/min. How long will he take to cycle a distance of 4 km?

13. The number of boys is $\frac{7}{10}$ of the total number of students in a class. If there are 16 more boys than girls in the class, how many students are there altogether?

14. At a train station, the ratio of the number of children to the number of adults is 4 : 7. There are 132 people altogether. How many more adults than children are there?

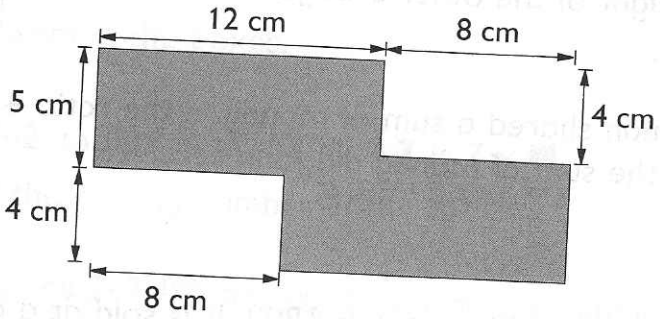
15. 450 children take part in an art competition. If there are 25% more boys than girls, how many more boys than girls are there?

16. The table shows the rates of charges for parking at a parking lot.

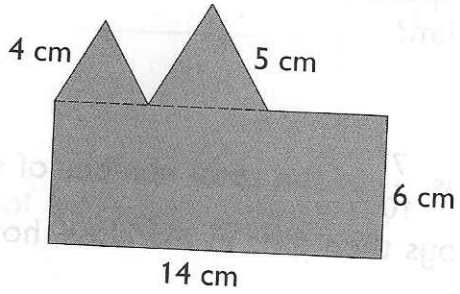
8:00 a.m. to 5:00 p.m.	$1.50 per hour
After 5:00 p.m.	$1.00 per hour

Mr. Ray parked his car from 3:00 p.m. to 6:10 p.m. How much parking fee did he pay?

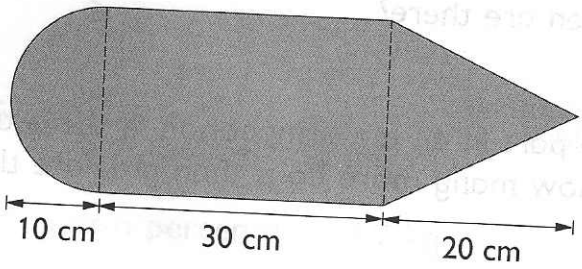
17. Find the area of the figure. (All the angles are right angles.)



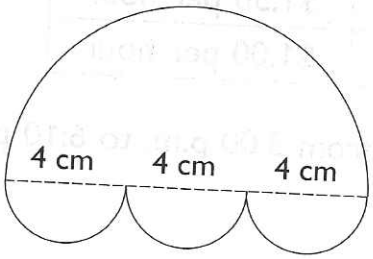
18. The figure is made up of a rectangle and two equilateral triangles. Find its perimeter.



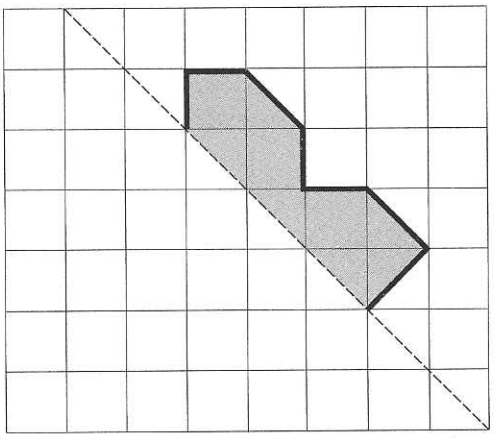
19. The figure is made up of a semicircle, a rectangle and a triangle. Find its area. (Take $\pi = 3.14$)



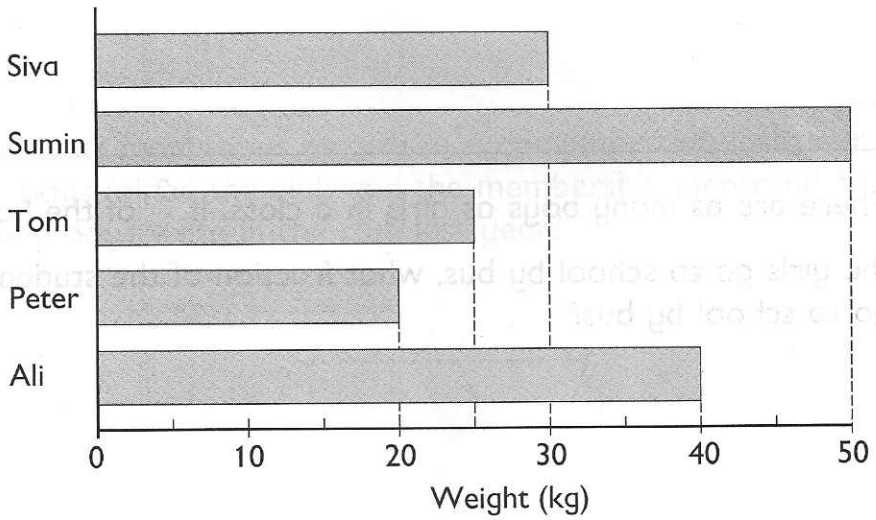
20. The figure is made up of 4 semicircles. Find its perimeter in terms of π.



21. The figure shows half of a symmetric figure which has the dotted line as a line of symmetry. Complete the symmetric figure.



22. The bar graph shows the weights of 5 boys.



(a) Find the difference in weight between Sumin and Peter.

(b) What is the ratio of Ali's weight to Tom's weight?

(c) Express Siva's weight as a fraction of Sumin's weight.

23. Wendy sold 200 tarts at \$0.40 each. With the money she received from the sale of tarts, she bought 8 plates and had \$28.80 left. Find the cost of 1 plate.

24. There are as many boys as girls in a class. If $\frac{2}{5}$ of the boys and $\frac{1}{2}$ of the girls go to school by bus, what fraction of the students in the class go to school by bus?

25. Three boys, Ali, Ben and Rajah share a sum of money. Ali's share is \$60. The ratio of Ben's share to Rajah's share is 1 : 3. If Ali's share is \$15 more than Ben's share, how much money is Rajah's share?

26. There were as many boys as girls in a computer club last year. This year, 11 boys joined the club and the membership increased by 10%. How many boys were in the club last year?

REVIEW 2

Write the answers in the boxes.

1. In 20.45, which digit is in the hundredths place?

2. What is the missing number in each ■?

   (a) $6.805 = 6 + \frac{8}{■} + \frac{5}{1000}$

   (b) $6 \times \frac{4}{5} = \frac{4}{5} + \frac{4}{5} + ■ \times \frac{4}{5}$

3. Find the value of

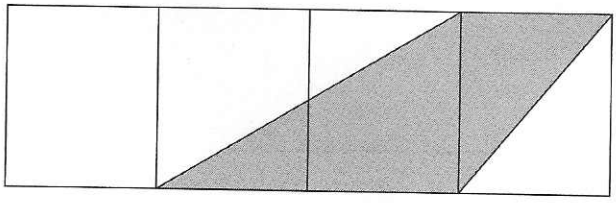
   (a) $27 + 96 \div 12 \div 4$

   (b) $(45 + 27) \div (17 - 8)$

4. Which one of the following is the best estimate of the value of 456×0.29?

   50, 150, 500, 1500

*5. What fraction of the figure is shaded?



6. Write $\frac{24}{42}$ in its simplest form.

7. Write $3\frac{5}{7}$ as a decimal correct to 2 decimal places.

8. Find the missing number in the ■.

   32 : 16 : 48 = 2 : 1 : ■

9. The total cost of 3 T-shirts and a pair of shorts is \$54. Each T-shirt costs \$5 more than the pair of shorts. Find the cost of the pair of shorts.

10. Brian bought 54 mangoes. He gave away $\frac{2}{3}$ of the mangoes and ate $\frac{1}{6}$ of the remainder. How many mangoes did he have left?

11. A container was $\frac{1}{2}$ filled with water. When 200 ml of water was poured out, it became $\frac{1}{3}$ full. Find the capacity of the container.

12. The ratio of the number of Austin's stamps to the number of Henry's stamps is 5 : 3. They have 1000 stamps altogether. How many stamps must Austin give Henry so that they will each have an equal number of stamps?

13. The price of a computer was increased by 10% to \$2420. What was the price before the increase?

14. Mary's savings is 25% more than Susan's savings. If Mary has \$200 more than Susan, find their total savings.

15. Jacob walked from his house to a supermarket which was 0.8 km away. His average speed was 50 m/min. Find the time taken in minutes.

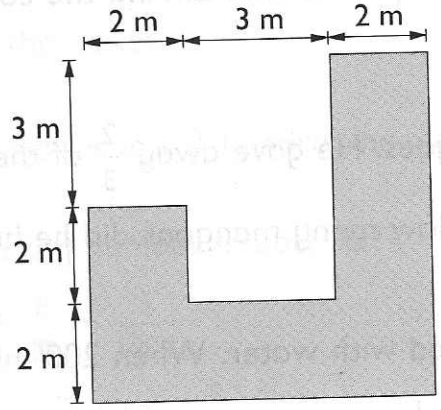
16. Find the value of the following expressions when $a = 3$.

(a) $\frac{2a - 3}{4}$

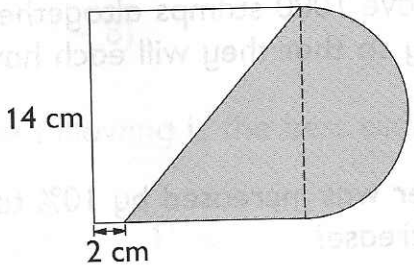
(b) $40 - a^3$

17. The average weight of 3 girls is x kg. When another girl joins the group, the average weight of the 4 girls is 30 kg. Find the weight of the 4th girl in terms of x.

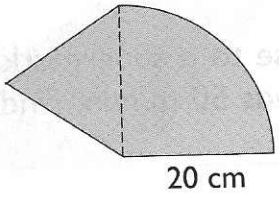
18. Find the area of the figure. (All the angles are right angles.)



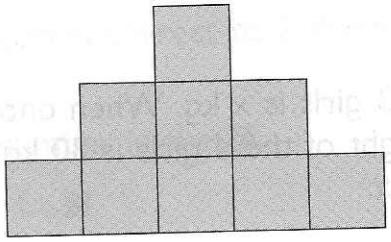
19. The figure is made up of a square and a semicircle. Find the shaded area in the figure. $\left(\text{Take } \pi = \frac{22}{7}\right)$



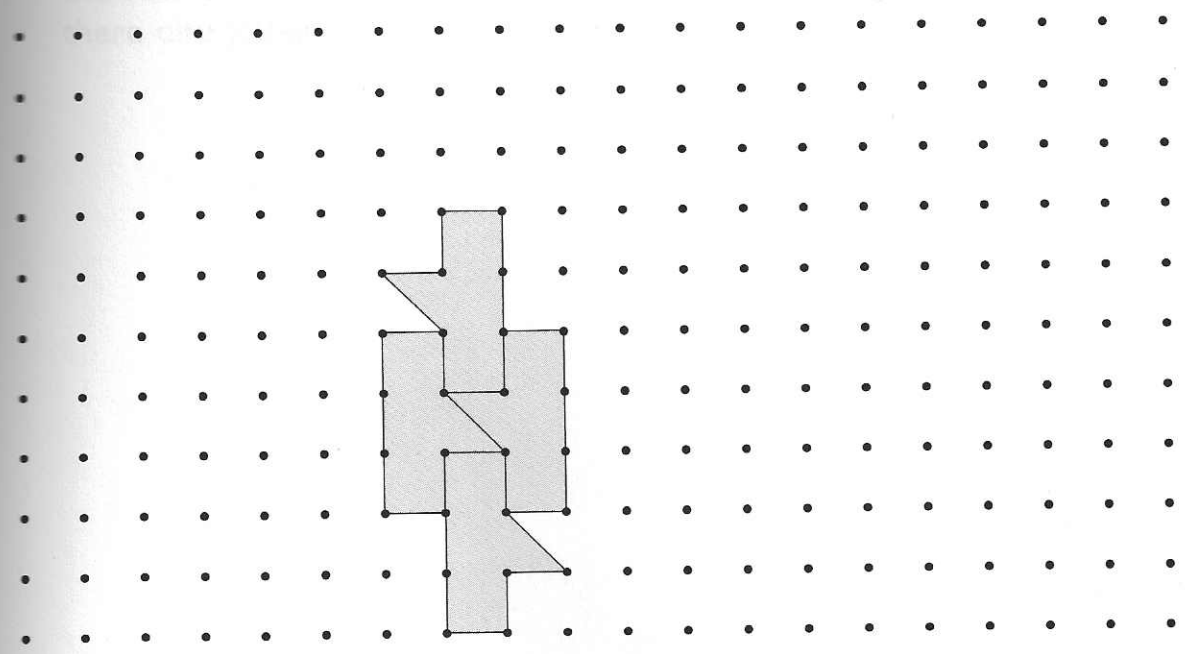
20. The shaded area is made up of an equilateral triangle and a quarter circle. Find its perimeter. (Take $\pi = 3.14$)



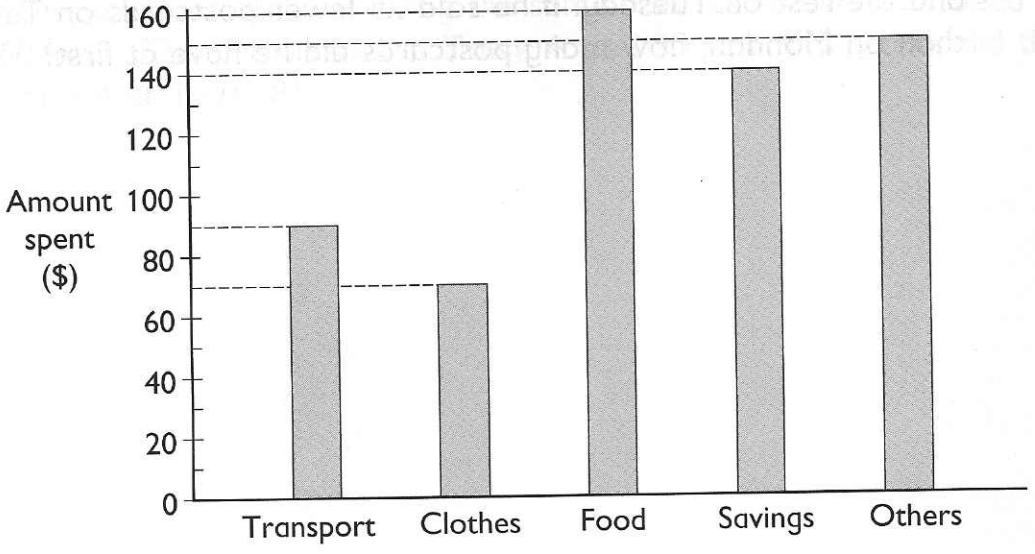
21. The figure is made up of 9 squares of the same size. If the perimeter of the figure is 128 cm, find the area of each square.



22. Extend the following tessellation in the space provided by drawing 5 more of the unit shape.



23. The bar graph shows what John does with his monthly salary.



(a) How much more does John spend on food than on transport?

(b) What is John's monthly salary?

24. The total length of three ribbons, A, B and C is 2.6 m. Ribbon A is 60 cm longer than Ribbon B. Ribbon C is 50 cm longer than Ribbon B. Find the length of Ribbon A.

25. Gopal had some postcards for sale. He sold $\frac{3}{5}$ of them on Monday and the rest on Tuesday. If he sold 25 fewer postcards on Tuesday than on Monday, how many postcards did he have at first?

26. $\frac{1}{4}$ of the beads in a box are red. 60% of the remainder are yellow and the rest are blue. If there are 48 blue beads, how many beads are there altogether?

27. At 2:20 p.m., a van left Town A and traveled towards Town B at an average speed of 40 km/h. At 2:30 p.m., a car left Town B and traveled towards Town A along the same road at an average speed of 60 km/h. The car arrived at Town A at 3:30 p.m. What time did the van arrive at Town B?

28. Find the value of each of the following:

(a) $\frac{1}{4} + \frac{3}{4} \times 8 - \frac{1}{8}$

(b) $\frac{3}{5} \times (\frac{2}{3} \div \frac{1}{8}) + \frac{1}{2}$