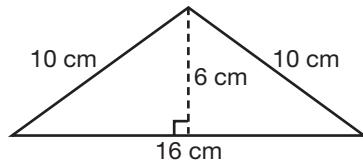


1. Write 80% as a reduced fraction and as a decimal numeral.

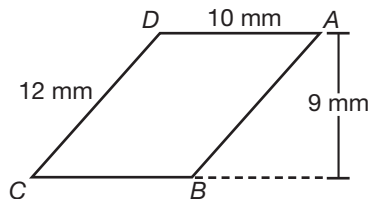
2. What is the area of this triangle?



3. Write $\frac{3}{5}$ as a percent.

4. The diameter of a circle is 100 cm. What is the circumference of the circle? (Use 3.14 for π .)

Refer to parallelogram $ABCD$ to answer problems 5–7.



5. What is the perimeter of the parallelogram?

6. What is the area of the parallelogram?

7. If angle A measures 50° , what is the measure of angle C ?

8. What is the ratio of chickens to goats in a barnyard with 12 chickens and 8 goats?

9. The coordinates of three vertices of a rectangle are $(3, 2)$, $(3, -1)$, and $(-1, -1)$. What are the coordinates of the fourth vertex?

10. If $\frac{3}{4}$ of the 2000 raffle tickets were sold, how many tickets were sold?

11. $3 \text{ ft} - 10 \text{ in.}$ (Write the difference in inches.)

12. Simplify: $3 \times 4 + 2 \times 5$
(84)

- 13.** What is the volume of a shoe box that is 12 inches long, 6 inches wide, and 5 inches high?
(82)



14. Complete this proportion: $\frac{6}{9} = \frac{10}{w}$
(85)

15. Simplify: $10 - (0.1 + 1)$
(40)

16. Solve: $3n = 0.45$
(87)

Simplify 17–20.

17. $3\frac{3}{4} + 1\frac{5}{8}$
(59)

18. $2\frac{1}{2} - \frac{3}{4}$
(63)

19. $2\frac{1}{4} \times 2$
(70)

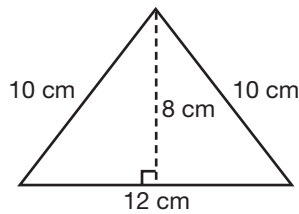
20. $5 \div 3\frac{3}{4}$
(68)

1. Write 60% as a reduced fraction and as a decimal numeral.

(41)

2. What is the area of this triangle?

(79)



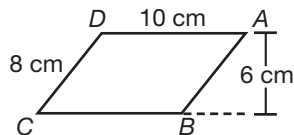
3. Write $\frac{4}{5}$ as a percent.

(75)

4. The diameter of a circle is 200 cm. What is the circumference of the circle? (Use 3.14 for π .)

(47)

Refer to parallelogram $ABCD$ to answer problems 5–7.



5. What is the perimeter of the parallelogram?

(71)

6. What is the area of the parallelogram?

(71)

7. If angle B measures 130° , what is the measure of angle C ?

(71)

8. What is the ratio of children to adults in a theater with 80 children and 60 adults?

(23, 29)

9. The coordinates of three vertices of a rectangle are $(4, 3)$, $(4, 0)$, and $(-2, 0)$. What are the coordinates of the fourth vertex?

(Inv. 7)

10. If Sarah answered $\frac{4}{5}$ of the 20 questions correctly, how many questions did she answer correctly?

(22)

11. 3 ft – 6 in. (Write the difference in inches.)
(81)

12. Simplify: $3 \times 4 - 2 \times 5$
(84)

13. What is the volume of a tissue box that is 10 inches long, 4 inches wide, and 5 inches high?
(82)



14. Complete this proportion: $\frac{9}{m} = \frac{6}{10}$
(85)

15. Simplify: $2 - (0.2 + 0.02)$
(40)

16. Solve: $4n = 0.56$
(87)

Simplify 17–20.

17. $1\frac{3}{4} + 1\frac{1}{2}$
(59)

18. $4\frac{1}{2} - 1\frac{3}{4}$
(63)

19. $5 \times 1\frac{3}{5}$
(70)

20. $5 \div 6\frac{2}{3}$
(68)