72. Find the value of :

(e) $2 \times 3 \times 4 \div 2^0 \times 3^0 \times 4^0$ (f) $(8^0 - 2^0) \times (8^0 + 2^0)$

90. If $2^{n+2} - 2^{n+1} + 2^n = c \times 2^n$, find the value of c.

1. 5.724×10^3 is the standard form of _____.

80. Rani bought a new field that is next to one she already owns (Fig. 9.34). This field is in the shape of a square of side 70 m. She makes a semi circular lawn of maximum area in this field.

(i) Find the perimeter of the lawn.

(ii) Find the area of the square field excluding the lawn.

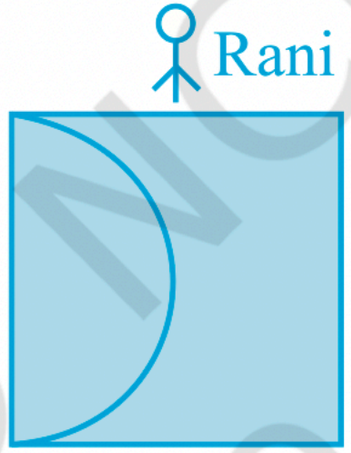

Fig. 9.34

82. Pizza factory has come out with two kinds of pizzas. A square pizza of side 45 cm costs ₹ 150 and a circular pizza of diameter 50 cm costs ₹160 (Fig. 9.36). Which pizza is a better deal?

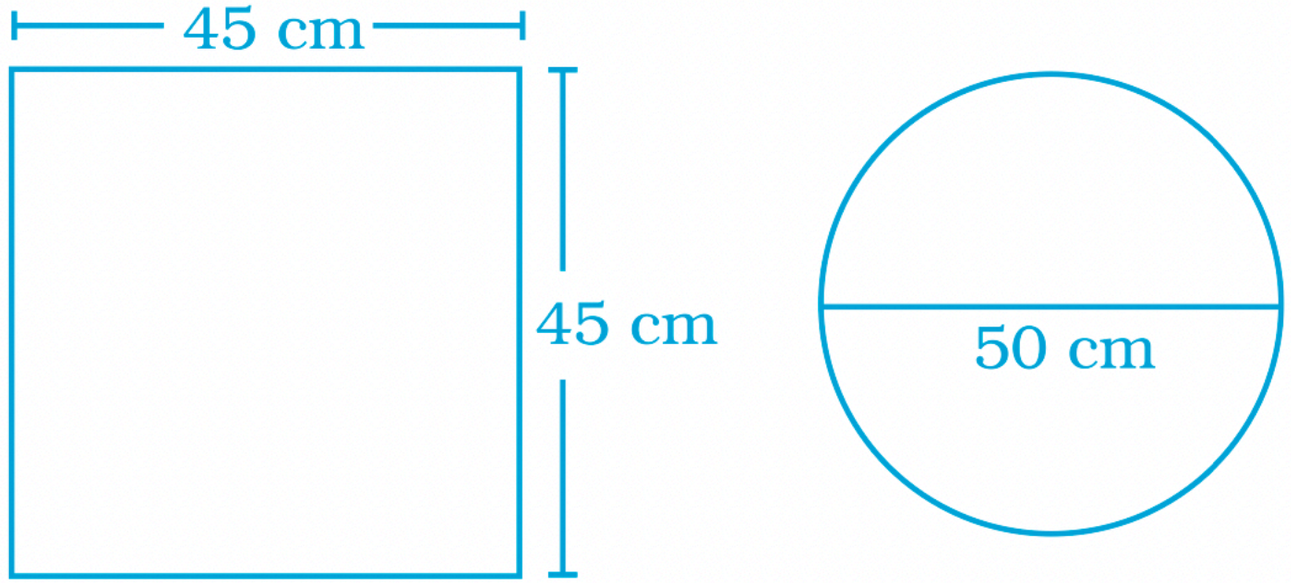

Fig. 9.36

75. In Fig. 5.36, PQ ∥ RS, TR ∥ QU and ∠PTR = 42°. Find ∠QUR.

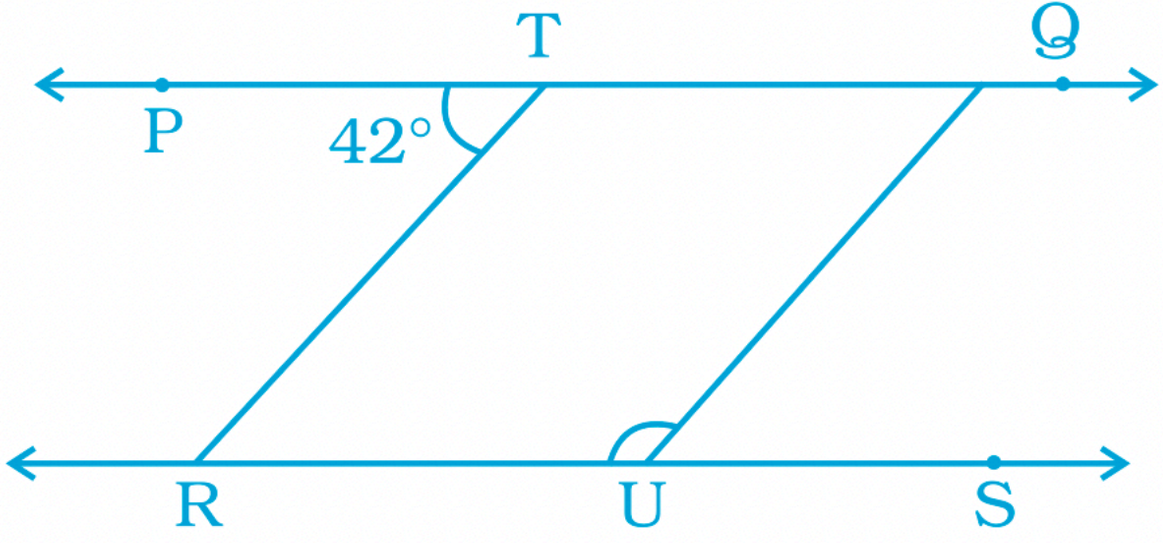

Fig. 5.36

83. In Fig. 5.43, write all the pairs of supplementary angles.

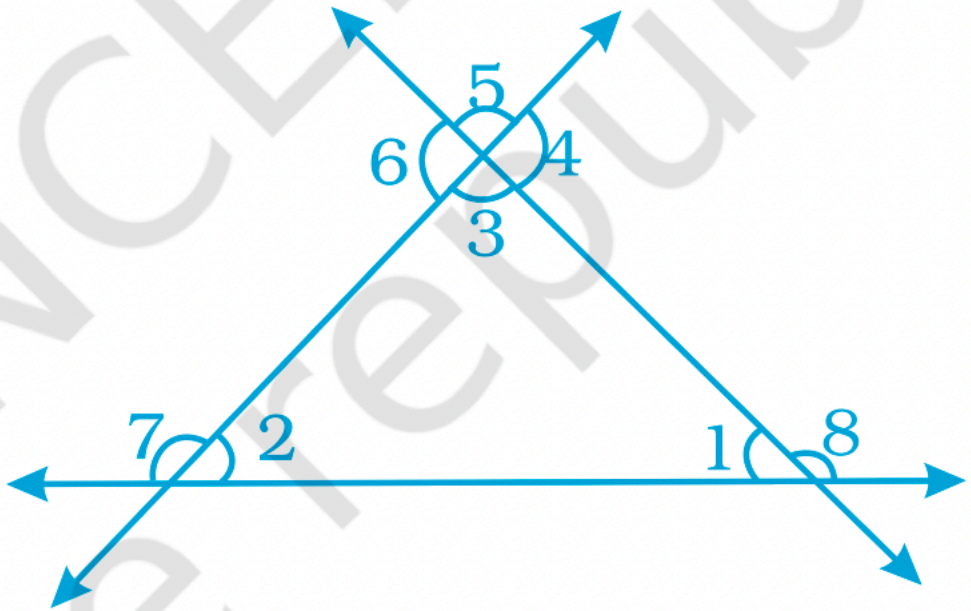

Fig. 5.43

101. In Fig. 5.54, if $l \| m$, find the values of a and b.

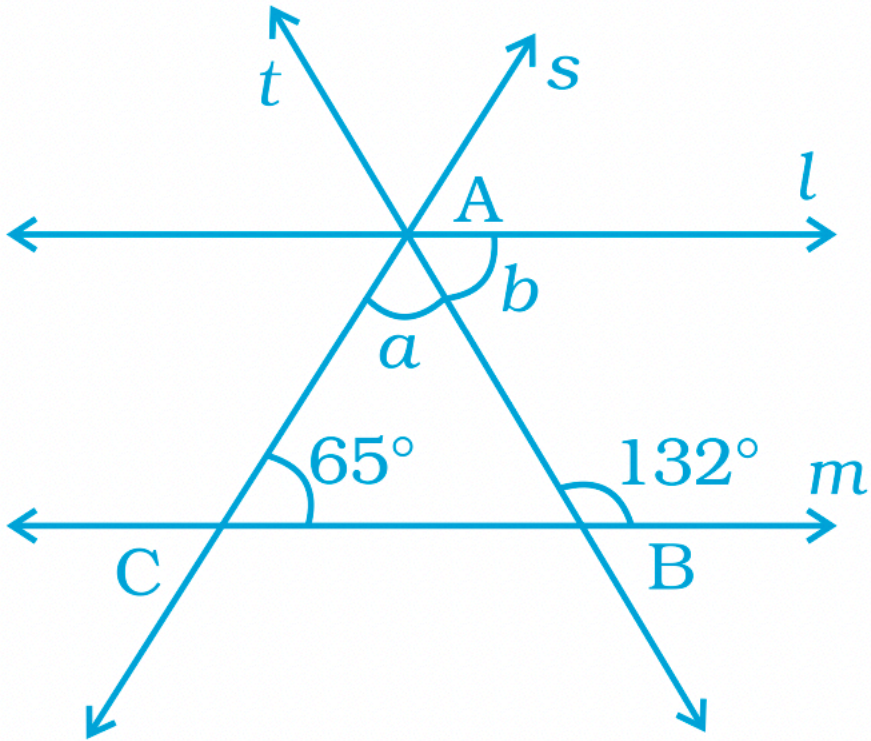

Fig. 5.54

112. Rita has bought a carpet of size 4 m × $6\frac{2}{3}$ m. But her room size is $3\frac{1}{3}$ m× $5\frac{1}{3}$ m. What fraction of area should be cut off to fit wall to wall carpet into the room?