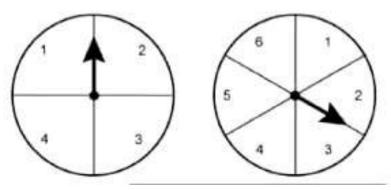
- A boy makes rectangular boxes using cards. He made one small box measuring 6cm long,
 5cm wide and 8cm tall. He made a bigger one 12cm long, 10cm wide and 16cm tall.
 - a) How many times as much card did he use to make the big box as used for the small box? Explain.
 - Determine the number of times the volume of the big box is as large as the small box.
 - c) If the card cost GH¢ 1.50 for a 10cm by 10cm square card, how much was spent on making the big box.

2. A group consisting of 3 adults, 5 teenagers, and 4 young children stops at a restaurant on the way home from a football tournament. Rather than figuring out each person's 35 of an adult's share, and each child's share would be 13 of an adult's share. If the total cost of the meal was GH¢66.00, what was the share of the family that consisted of an adult and two young children?

3.	A rectangular playing is 20 metres long. A straight path is cut across the field
	along one of its diagonals. If the length of the path is 25 metres, how wide is the
	playing field?

4. If the two spinners below are spun simultaneously, what is the probability that the sum of the results will be greater than or equal to 7?

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5.	Developing students fundamental knowledge and understanding of mathematical concepts is an important goal of teaching mathematics. Explain
	FOUR classroom practices a mathematics teacher has to use in order to increase students' chances of achieving this aim in Ghanaian schools.
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10 For small box L=6cm w=5cm H=8cm

Total surface area = 2(6x5)+2(6x8)+2(5x8)

= 60+96+80

= 236cm²

For big box, L=12cm W=10cm H=16cm

Total surface area = 2(12×10) + 2(12×16) + 2(10×16)

= 240 + 384 + 320

= 944 cm²

Compasing the two surface areas, the ine. $\frac{94+cm^2}{236cm^2} = 4$.

This implies that he used 4 times as much card for the small box to make the big box.

(5) Volume of small box = 6x5x8 = 240cm3

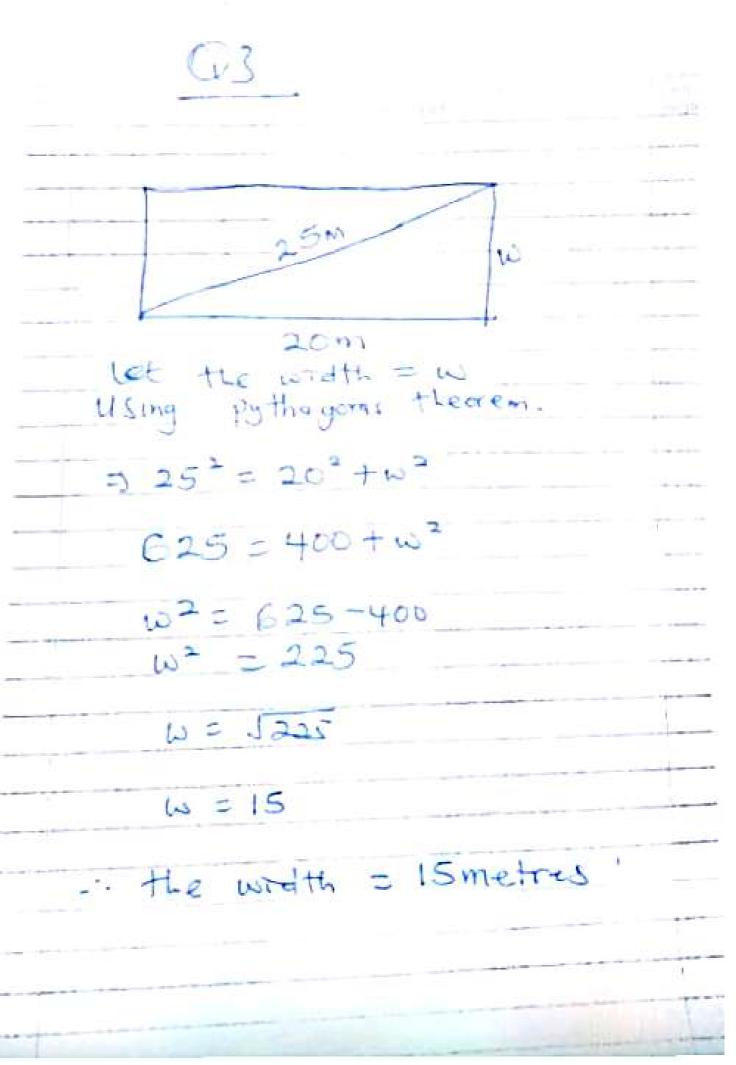
Volume of big box = 12×10×16 = 1920 cm3

Volume of bigbox = 1920cm3 = 8. Volume of small box 240 cm

The volume of the big box is 8 times larger than the volume of the small box.

© Inglies for every tex 10 cm × 10 cm that is 100 cm² = GH & 1.50 944 cm² = 944 × GH & 1.50 100 = GH & 14.16

bet adult bex dults share = EH \$ 22.50 Koung Children = 4x = 5x 125 = GH = 30 => au adult and 2 yours children = 444 22-50+2(#30) = 22.5+60 = 82.5 GHd = 82.50



$$P_{r}(A) = \begin{cases} 0 \\ n(A) = \begin{cases} 0 \\ -\frac{1}{24} \end{cases} = \frac{12}{12}$$