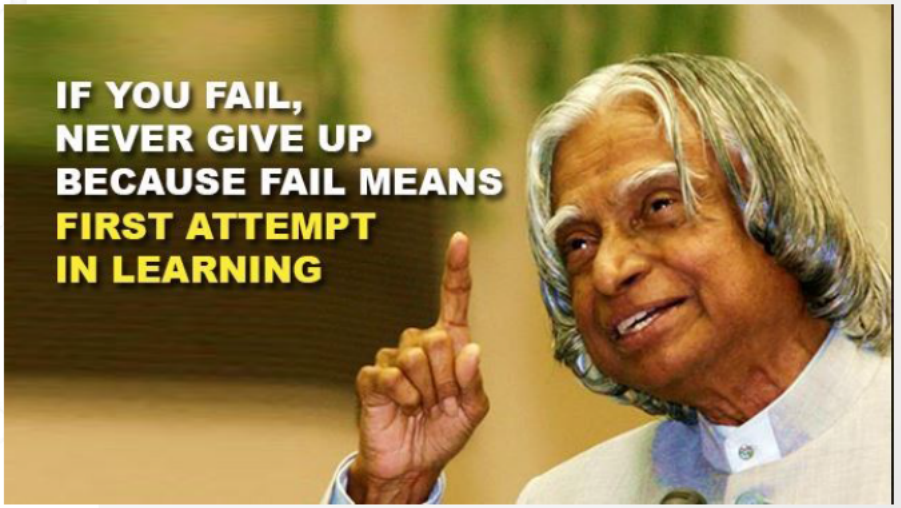
Say no to ε grade



SHAJIR KALATHIL

PKMMHSS
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TYPE 1

1. Draw a triangle of circumradius 3cm and two of the angles 50^0,60^0

2. Draw a circle of radius 3cm,Draw a triangle with all vertices on this circle and two of the angles 65^0,75^0

3. Draw a triangle of circumradius 3.5cm and two of the angles 30^0,110^0

4. Draw an equilateral triangle with circumradius 3cm

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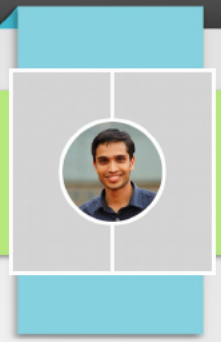
TYPE 2



1. Draw a square of area 15 square centimetres

2. Draw a square of area 20 square centimetres

3. Draw a square of side $\sqrt{6}$ centimetre

4. Draw a square of area 12 square centimetres

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TYPE 3

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1. Draw a rectangle of length 5 cm and breadth 3cm and draw a square of the same area

2. Draw a rectangle of length 4cm and breadth 3cm and draw a square of the same area

3. Draw a rectangle of area 18 sqcm and draw a square of the same area

4. Draw a rectangle of area 20 sqcm and draw a square of the same area

TYPE 5

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1. Draw a rectangle of width 5 centimetres and height 3cm.Draw a rectangle of the same area with width 6 centimetres.

2. Draw a rectangle of length 4 cm and breadth 3cm . Draw a rectangle of the same area with one side 5 cm.

3. Draw a rectangle of area 18 sqcm and Draw a rectangle of the same area with width 7cm

4. Draw a rectangle of area 20 sqcm and Draw a rectangle of the same area with one side 7cm

TYPE 7

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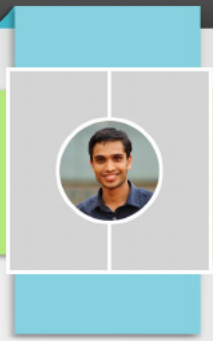

1. Draw a circle of radius 2.5cm. Draw a triangle of two angles 50^0,60^0 with all its sides touching the circle
2. Draw a circle of radius 2cm. Draw a triangle of two angles 50^0,70^0 with all its sides touching the circle
3. Draw a circle of radius 3cm. Draw a triangle of two angles 50^0,60^0 with all its sides touching the circle
4. Draw a circle of radius 2.5cm. Draw a triangle of two angles 55^0,65^0 with all its sides touching the circle

TYPE 6

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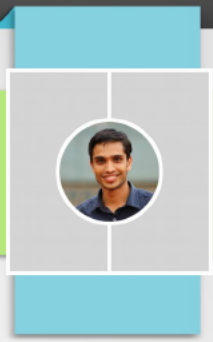
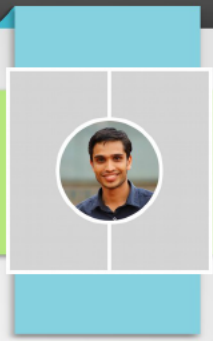
EDARIKODE



1. Draw a circle of radius 3cm. Mark a point 7cm away from it's centre. Draw the tangent to the circle from this point
2. Draw a circle of radius 3cm. Mark a point 6cm away from it's centre. Draw the tangent to the circle from this point
3. Draw a circle of radius 2.5cm. Mark a point 6.5cm away from it's centre. Draw the tangent to the circle from this point
4. Draw a circle of radius 3cm. Mark a point 6.5cm away from it's centre. Draw the tangent to the circle from this point

TYPE 8

PKMMHSS
EDARIKODE



1. Draw a triangle of sides 4 cm, 5 cm, 6 cm and draw its incircle. Measure its radius.

2. Draw a triangle of sides 6 cm, 7 cm, 8 cm. Draw a circle which touches all sides of the triangle and measure its radius

3. Draw a triangle of sides 6 cm, 7 cm and angle between them 50^0 draw its incircle .Measure its radius.

4. Draw a triangle of side 6 cm and angles on it 50^0 and 60^0. Draw its incircle . Measure its radius.

STATISTICS

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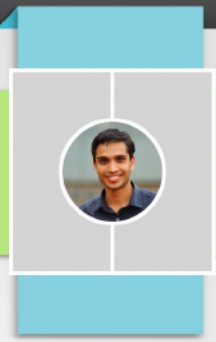
EDARIKODE

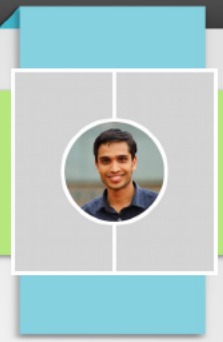


1.The ages of 10 members of a club are 20,25,22,32,42,27,35,27,35,30.Find the median age

2.The weights of 11 children in a school cricket club are 35,39,32,36,40,30,34,37,38,33,31.Find the median weight

STATISTICS

PKMMHSS EDARIKODE



AGE GROUP	NUMBER OF MEMBERS
20-30	4
30-40	8
40-50	10
50-60	7
60-70	4
70-80	2
TOTAL	35

a. If the members are arranged in increasing order of ages, the age of the member at what position is taken as the median

b. What is assumed to be age of the member at the 13^{th} position

c. Find the median of the ages