

1. કેટલાક વિધાનો દ્વારા નીચેના પ્રશ્નોનો જવાબ આપો :

1. Name the types of following triangles:

(a) ત્રિકોણ ત્રણ બાજુનાં લંબાઈ 7 સેમ, 8 સેમ અને 9 સેમ હોય.

(a) Triangle with lengths of sides 7 cm, 8 cm and 9 cm.

(ક) અધિકમૂલી ત્રિકોણ Ans (a) Scalene Triangle

(b) $\triangle ABC$ ત્રિકોણ દિધે $AB = 8.7 \text{ cm}$, $AC = 7 \text{ cm}$ અને $BC = 6 \text{ cm}$ હોય.

(b) $\triangle ABC$ with $AB = 8.7 \text{ cm}$, $AC = 7 \text{ cm}$ and $BC = 6 \text{ cm}$

(ક) અધિકમૂલી ત્રિકોણ Ans (b) Scalene Triangle.

(c) $\triangle PQR$ ત્રિકોણ દિધે $PQ = QR = RP = 5 \text{ cm}$ હોય.

(c) $\triangle PQR$ such that $PQ = QR = RP = 5 \text{ cm}$

(ક) સમકોણી ત્રિકોણ Ans (c) Equilateral Triangle.

(d) $\triangle DEF$ ત્રિકોણ દિધે $\angle D = 90^\circ$ હોય.

(d) $\triangle DEF$ with $\angle D = 90^\circ$

(ક) સમકોણી ત્રિકોણ Ans (d) Right Triangle

(e) $\triangle XYZ$ ત્રિકોણ દિધે $\angle Y = 90^\circ$ અને $XY = YZ$ હોય.

(e) $\triangle XYZ$ with $\angle Y = 90^\circ$ and $XY = YZ$

(ક) સમકોણી ત્રિકોણ સમકોણી ત્રિકોણ Ans (e) Isosceles Right Triangle

(f) $\triangle LMN$ ત્રિકોણ દિધે $\angle L = 30^\circ$, $\angle M = 70^\circ$ અને $\angle N = 80^\circ$ હોય.

(f) $\triangle LMN$ with $\angle L = 30^\circ$, $\angle M = 70^\circ$ and $\angle N = 80^\circ$

(ક) ત્રિકોણ ત્રિકોણ ત્રિકોણ Ans (f) Acute angled Triangle

2. ਤੇਰੇ ਵਿਚਿਕਾ ਨੂੰ ਮਿਲਾਓ
ਮਾਪਦਾਂ ਦੇ ਰਾਹੀਂ
Measure of triangle

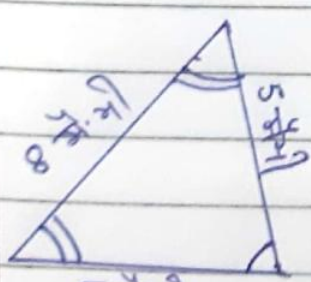
Match the following!

ਤਿਭੁਜ ਦੀਆਂ ਕਿਸਮਾਂ
Types of triangles

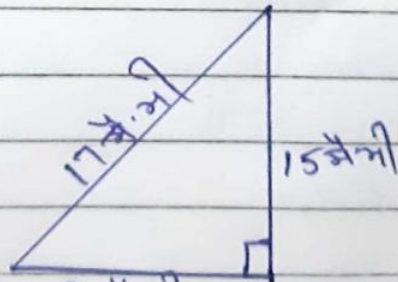
- (1) 3 sides of equal length
- (2) 2 sides of equal length
- (3) ਅੱਧੇ ਅੱਧੇ ਢੰਗ ਦੀਆਂ ਦੋ ਢਾਲਾਂ
ਸਮਾਨ ਢਾਲਾਂ
- (3) All sides are of different length
- (4) 3 ਕਿੱਤਰੇ
- (4) 3 Acute angle
- (5) 1 ਸਮਕੋਣ
- (5) 1 Right angle
- (6) 1 ਅਧਿਕਕੋਣ
- (6) 1 obtuse angle
- (7) ਦੋ ਢਾਲਾਂ ਦੀਆਂ ਦੋ ਢਾਲਾਂ ਦੇ
ਕਾਫ਼ 1 ਸਮਕੋਣ
- (7) 1 right angle with two sides
of equal length

- (a) ਵਿਸਮਕੋਣੀ ਸਮਕੋਣੀ ਤਿਭੁਜ (3)
- (a) Scalene (3)
- (b) ਸਮਕੋਣੀ ਸਮਕੋਣੀ ਤਿਭੁਜ (7)
- (b) Isosceles right angled (7)
- (c) ਅਧਿਕਕੋਣੀ ਤਿਭੁਜ (6)
- (c) Obtuse angled (6)
- (d) ਸਮਕੋਣੀ ਤਿਭੁਜ (5)
- (d) Right angled (5)
- (e) ਸਮਕੋਣੀ ਤਿਭੁਜ (1)
- (e) Equilateral (1)
- (f) ਕਿੱਤਰੇ ਤਿਭੁਜ (4)
- (f) Acute angled (4)
- (g) ਸਮਕੋਣੀ ਤਿਭੁਜ (2)
- (g) Isosceles (2)

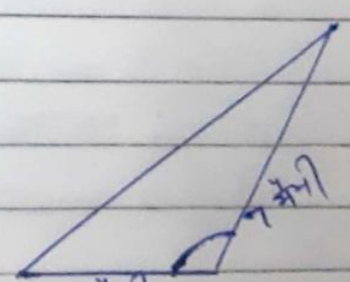
3. ਤੇਰੇ ਦਿੱਤੀਆਂ ਤਿਭੁਜਾਂ ਦਾ ਵੇਰਵਾ ਕਾਫ਼ ਨਾਮਕਰਣ ਕਰੋ (ਤੁਸੀਂ ਦੇਣ
ਦੀ ਕਿਸਮ ਦੇਣ ਦੇ ਢੰਗ ਨਾਲ ਫਰਕ ਕਰਦੇ ਹੋ)



(a)

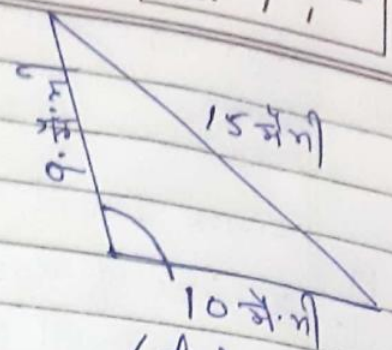


(b)



(c)

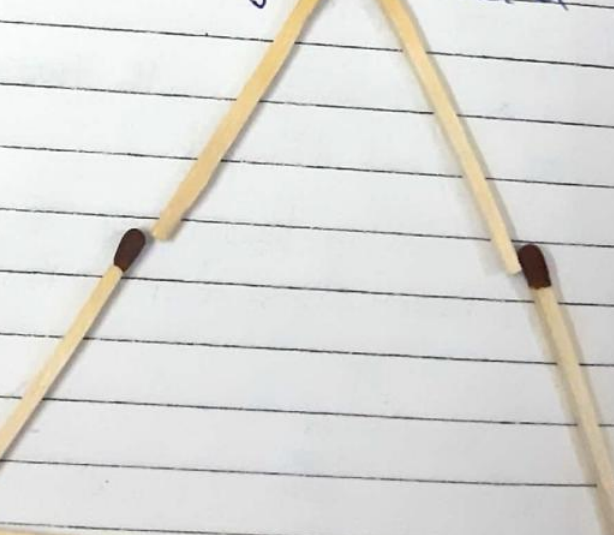
- (a) ਕਿੱਤਰੇ ਤਿਭੁਜ
ਤੋਂ ਸਮਕੋਣੀ ਤਿਭੁਜ
- (a) Acute angled Triangle
and Isosceles Triangle
- (b) ਸਮਕੋਣੀ ਤਿਭੁਜ
ਤੋਂ ਵਿਸਮਕੋਣੀ ਤਿਭੁਜ
- (b) Right angled Triangle
and Scalene Triangle
- (c) ਅਧਿਕਕੋਣੀ ਤਿਭੁਜ
ਤੋਂ ਸਮਕੋਣੀ ਤਿਭੁਜ
- (c) obtuse angled
Triangle and Isosceles Triangle



(f) $\triangle ABC$ is an obtuse angled and scalene triangle.

(4) Try To Construct triangles using match sticks
Some are Shown here. Can you make a
triangle with

here. Canyon



A large triangle is formed by three matchsticks on lined paper. The matchsticks are arranged such that their dark tips are at the vertices of the triangle. The top vertex is at the top center, the bottom-left vertex is at the bottom left, and the bottom-right vertex is at the bottom right. The matchsticks are light-colored with dark tips.

Name the type of triangle in each case. If you cannot make a triangle, think of reason for it.