Edison Global Academy – RH

Year 7

TERM 2 – 2025/26

End of Term 2

Math Exam Resource Pack

EDISON Global Academy
Rawdat Al Hamama

أكاديمية إديسون جلوبال
روضة الحمامة

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PRACTICE SHEET 2: Geometry & Measurement
(Angles, triangles, quadrilaterals, perimeter, area of irregular shapes)
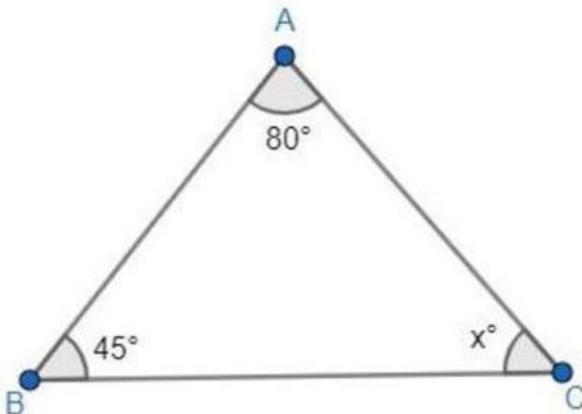
Rules:

✓ **Angles**
Triangle = 180°

✓ **Perimeter**
Add all sides

✓ **Area of rectangle**
Length × width

Quadrilateral = 360°

Find the missing angle in the triangle.

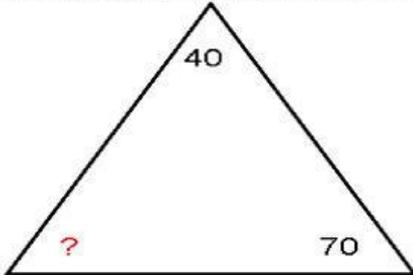| Example: |
|---|
| **Key rule:** |
| **The interior angles of a triangle always add up to:** |
| **180°** |
| **You are given:** |
| **Angle at A = 80°** |
| **Angle at B = 45°** |
| **Angle at C = x°** |
| **So: $80° + 45° + x° = 180°$** |
| **Add the known angles: $125° + x = 180°$** |
| **Now subtract: $= 180° - 125°$** |
| **$x = \boxed{55°}$** |
| **Final Answer:** |
| **x = 55°** |

1. a) Find x _____ °
   b) **Name the type of triangle and draw it in the box below.**

Another triangle has angles 45°, 45° and x°.	Name of Triangle: _____
a. Calculate the value of x	b. Draw

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LIVEWORKSHEETS

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2. Multiple Choice: Select the correct answers by circling the letter only.

40

?   70

A. 70

B. 20

C. 90

D. 120

3. The sum of the interior angles of any quadrilateral is equal to_____

A. 180°

B. 90°

C. 360°

D. 120°

4. Find the angle b°

A   B
130°
b
D   C
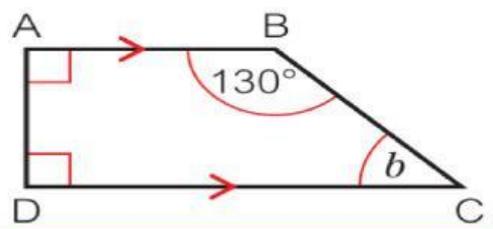
Do your calculation here to find angle b

Word problem.

1. A student walks 2.75 km in the morning and 1.85 km in the evening. Find the total distance walked. _____ km.

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2. A garden has sides 6 m, 10 m, 8 m and 12 m. Find the perimeter. _____ m

3. A triangular road sign has two angles measuring **45°** and **70°**.
   a) **Find the third angle.**
   b) **Explain which rule you used.**

Find the third angle. Show your calculation.	Rule used:

4. A rectangular classroom is:
   Length = 12 m
   Width = 8 m
   a) **Find the perimeter of the room**
   b) **Find the area of the floor**
   c) **If carpet costs 25 QAR per m², find the total cost**

Perimeter:	Area	Total cost:

5. A metal frame is shaped like a quadrilateral. Three of its angles are:
   90°, 110° and 85°
   a) **Find the missing angle**
   b) **State the angle sum rule used**

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Calculate missing angle:	State the angle sum rule