



Math worksheet on 'Geometry of Circles - Inscribed Angles Subtended by Same Arc - Rule (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

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What is known about angle PMC and PXC given that they are both subtended by arc PC?

- a** PMC and PXC add to 180°
- b** PMC is half PXC
- c** PMC is the same as PXC
- d** PMC and PXC add to 360°
- e** Nothing, PMC and PXC are not subtended by the same arc
- f** PMC is twice PXC

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What is known about angle MCN and MPN given that they are both subtended by arc MN?

- a** MCN and MPN add to 180°
- b** MCN is the same as MPN
- c** Nothing, MCN and MPN are not subtended by the same arc
- d** MCN is twice MPN
- e** MCN and MPN add to 360°
- f** MCN and MPN add to 90°

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What is known about angle CXR and CMR given that they are both subtended by arc CR?

- a** CXR is the same as CMR
- b** Nothing, CXR and CMR are not subtended by the same arc
- c** CXR and CMR add to 180°
- d** CXR and CMR add to 360°
- e** CXR and CMR add to 90°
- f** CXR is twice CMR

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What is known about angle PRB and PZB given that they are both subtended by arc PB?

- a** PRB and PZB add to 180°
- b** PRB is twice PZB
- c** PRB is half PZB
- d** PRB and PZB add to 360°
- e** PRB and PZB add to 90°
- f** PRB is the same as PZB

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What is known about angle CBN and CMN given that they are both subtended by arc CN?

- a** CBN is twice CMN
- b** CBN is half CMN
- c** Nothing, CBN and CMN are not subtended by the same arc
- d** CBN is the same as CMN
- e** CBN and CMN add to 180°
- f** CBN and CMN add to 90°

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What is known about angle XMP and XNP given that they are both subtended by arc XP?

- a** XMP is the same as XNP
- b** XMP and XNP add to 180°
- c** XMP and XNP add to 360°
- d** XMP is twice XNP
- e** XMP and XNP add to 90°
- f** Nothing, XMP and XNP are not subtended by the same arc

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What is known about angle YNZ and YMZ given that they are both subtended by arc YZ?

- a** YNZ and YMZ add to 180°
- b** YNZ and YMZ add to 360°
- c** YNZ is half YMZ
- d** YNZ is twice YMZ
- e** YNZ is the same as YMZ
- f** YNZ and YMZ add to 90°