



Math worksheet on 'Geometry of Circles - Rule for Inscribed Angle from Intersected Arc (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Intro'

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**2**

What is known about angle ZYR compared to the length (in degrees) of intersected arc ZR?

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

**1**

What is known about angle RPZ compared to the length (in degrees) of intersected arc RZ?

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

**3**

What is known about angle MYZ compared to the length (in degrees) of intersected arc MZ?

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

**4**

What is known about angle BDY compared to the length (in degrees) of intersected arc BY?

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

**5**

What is known about angle PZB compared to the length (in degrees) of intersected arc PB?

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

**6**

What is known about angle RPB compared to the length (in degrees) of intersected arc RB?

- a** RB is the same as RPB
- b** RB and RPB add to 90°
- c** RB and RPB add to 180°
- d** RB is half RPB
- e** RB and RPB add to 90°
- f** RPB is half RB

**7**

What is known about angle YNB compared to the length (in degrees) of intersected arc YB?

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