

JAM002                      Week 1 – Key  
Ratio and Proportion – vocabulary

ratio	poměr
proportion	úměra
directly proportional	přímo úměrný
inversely proportional	nepřímo úměrný
quantity	veličina
magnitude	velikost
property	vlastnost
product	násobek
reciprocal	převrácená hodnota
numerator	čítatel
denominator	jmenovatel
therefore	tudíž

Section 1 presentation

- a) The angle ABC is approximately twice as big as the angle ACB.
- b) PR is exactly twice as long as XZ.
- c) The area of triangle PQR is exactly four times as big as that of triangle XYZ.
- d) The area of rectangle ABCD is approximately twice as big as that of the inscribed semicircle.
- e) The diameter of any circle is exactly as long as the diagonal of the inscribed square.
- f) The circumference of a circle is approximately three times as long as its diameter.
- g) The area of rhombus ABCD is exactly twice as big as that of triangle ABE.
- h) The volume of a cylinder is exactly three times as big as the volume of a cone with the same base and height.
- i) The volume of cube A is exactly 27 times as big as that of cube B.

Exercise 8

- a) Given
- b) Adding 1 to each side, we obtain
- c) But
- d) Substituting, we obtain
- e) Similarly
- f) From properties 2 and 3, we have
- g) From properties 2 and 4, we have
- h) Therefore
- i) From properties 2 and 5, we have

Using percentages in statistics

1e, 2b, 3d, 4c, 5a

PROVERBS

1c, 2f, 3a, 4h, 5j, 6i, 7g, 8b, 9d, 10e

1d, 2e, 3a, 4c, 5b