

and Distributives :

year 3752 B.C.

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Subjunctive,

6. Turn into English :

Ἐνταῦθ' : διέσχον ἀλλήλων βασιλεῖς τε καὶ οἱ Ἕλληνες ὡς τοιάκοντα στάδια, οἱ μὲν διώκοντες τοὺς καθ' αὐτοὺς ὡς πάντας νικῶντες· οἱ δὲ ἀρπάζοντες ὡς ἥδη πάντες νικῶντες. Ἐπεὶ δ' ἦσθοντο οἱ μὲν Ἕλληνες ὅτι βασιλεῖς σὺν τῷ στρατεύματι ἐν τοῖς σκευοφόροις εἰη, βασιλεῖς δ' αὐτὸν ἤκουσε Τισσαφέρνους ὅτι οἱ Ἕλληνες νικῶνεν τὸ καθ' αὐτούς, καὶ εἰς τὸ πρόσθεν οἰχονταὶ διώκοντες, ἐνταῦθα δὴ βασιλεῖς μὲν ἀθροίζει τε τοὺς ἑαυτοῦ, καὶ συντάττεται· ὁ δὲ Κλέαρχος ἐβουλεύετο, Πρόξενον καλέσας, πλησιαίτατος γὰρ ἦν, εἰ πεμποῖεν τινὰς ἢ πάντες ἰοῖεν ἐπὶ τὸ στρατόπεδον ἀρήζοντες.

7. Parse and construe all the words italicised above.

Euclid.

1. Define: *right angle, circle, angle in a segment of a circle, rhomboid, parallelogram, acute angled triangle.*
2. If a triangle have two angles equal the sides which are opposite to the equal angles are equal.
3. Describe a parallelogram equal to a given triangle, and having an angle equal to a given rectilineal angle.
4. Describe a square equal to a given rectilineal figure.
5. The opposite angles of a quadrilateral figure inscribed in a circle are together equal to two right angles.
6. Inscribe a hexagon in a given circle.
7. Similar triangles are to one another in the duplicate ratio of their homologous sides.
8. Draw a line perpendicular to a given plane from a given point without it.
9. Construct an isosceles triangle, having the angle at the vertex equal to four times each of the angles at the base.
10. Define a *conic section*, and distinguish between *ellipse, parabola*, and *hyperbola*.

Shew that in a *parabola*

$$PN^2 = 4 AS \cdot AN.$$

Arithmetic.

1. Find the price per ounce of an article which costs \$478 per quarter.