ADRIATIC
C O L L E G E

Pearson:
PreSecondary Mathematics Demo Entrance Test

PreSecondary

Candidate's name_____

• *Answer all questions.*
• *Time allocated is 1 hour.*
• *The total mark for this paper is 23.*
• *The marks for each question are shown in brackets*
• *Candidates may NOT use a calculator and may use pen, pencil, ruler and eraser.*

1.   [2] Write in any two numbers that could fill these gaps.
10 278 < _____ < 10 287 < _____ < 10 782

2.   [4] Which of these are correct?
Put a tick (✔) or cross (✖) next to each calculation.

a) 1672 + 120 = 1792 ☐

b) 2437 + 520 = 2939 ☐

c) 3957 – 2030 = 1627 ☐

d) 6781 – 340 = 6441 ☐

3. [3] Match each improper fraction to the correct mixed number (use →)

$$\frac{11}{4}$$

$$1\frac{5}{6}$$

$$\frac{11}{6}$$

$$6\frac{1}{2}$$

$$\frac{13}{2}$$

$$2\frac{3}{4}$$

4. [2] Solve these questions:

a)   234 × 451 = _____

b)   5200 ÷ 16 = _____
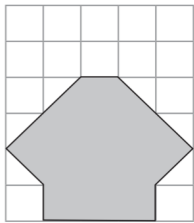
5. [2] Convert.

a) $\frac{1}{2}km$ = ____ m

b) $1\frac{1}{10}m$ = _____ cm

c) $1\ hour\ 47\ min$ = _____ min

d) $134.5\ kg$ = _____ gr

6.   [2] One day a shop sells 13 televisions for £256 each.
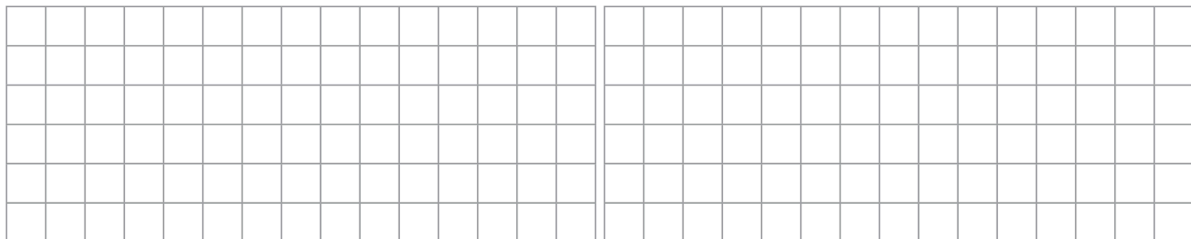   How much money did the shop take in total that day?

7.   [3] The shaded polygon is drawn on a cm^2 grid.

           What is the area of each polygon?

           Area = _____ cm^2

8.   [2] On the cm square grid below, draw two different rectangles,
           each with a perimeter of 16 cm.

9.   [3] Solve the equation.

$(x \div 203 + 6902) \times 84 = 592200$

$x = \underline{\hspace{2cm}}$

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