EXERCISE 2

Algebra (2)

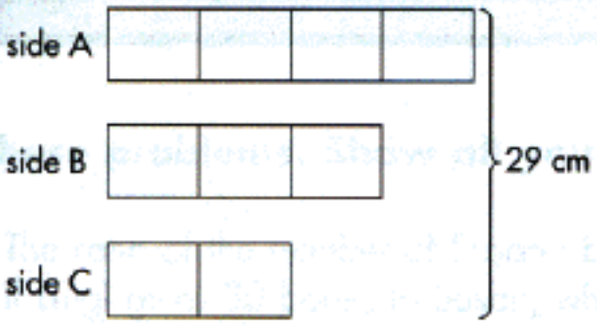
A. Find the value of each of the following expressions when $m = 20$.

(1) $m - 13$ $=$	(2) $8 + m$ $=$
(3) $5m$ $=$	(4) $\frac{m}{4}$ $=$
(5) $\frac{80}{m}$ $=$	(6) $29 - m$ $=$
(7) $3m + 20$ $=$	(8) $50 - 2m + 15$ $=$

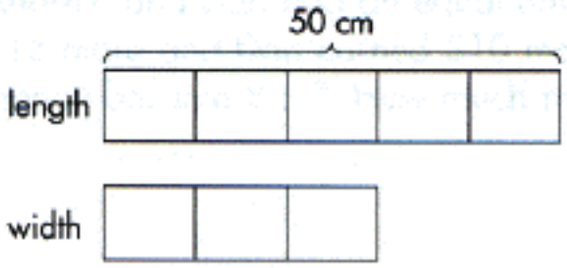
B. Find the value of each of the following expressions when $h = 10$.

(1) $6h - 15$ $=$	(2) $\frac{h}{2} + 30$ $=$
(3) $\frac{1 + h}{11}$ $=$	(4) $\frac{3h}{h}$ $=$
(5) $5 + h^2$ $=$	(6) $2h^2 - 8$ $=$
(7) $h + \frac{h}{10}$ $=$	(8) $\frac{200}{h} - h$ $=$

(3) The sides of a triangle are in the ratio 4 : 3 : 2. If the perimeter is 29 cm, find the lengths of its sides.



(4) The ratio of the length of a rectangular piece of paper to its width is 5 : 3. Find the perimeter of the piece of paper if its length is 50 cm.



B. Divide. Write all answers in their simplest form. Change answers to whole or mixed numbers where possible.

(1) $\frac{7}{8} \div \frac{3}{2} =$	(2) $\frac{7}{8} \div \frac{15}{16} =$
(3) $\frac{4}{3} \div \frac{3}{10} =$	(4) $\frac{1}{4} \div \frac{3}{4} =$
(5) $\frac{3}{8} \div \frac{5}{8} =$	(6) $\frac{5}{6} \div \frac{25}{24} =$
(7) $\frac{9}{10} \div \frac{3}{5} =$	(8) $\frac{1}{6} \div \frac{1}{3} =$
(9) $\frac{3}{4} \div \frac{5}{8} =$	(10) $\frac{3}{4} \div \frac{5}{3} =$
(11) $\frac{4}{5} \div \frac{9}{4} =$	(12) $\frac{7}{9} \div \frac{7}{36} =$
(13) $\frac{15}{32} \div \frac{5}{64} =$	(14) $\frac{36}{35} \div \frac{15}{14} =$
(15) $\frac{7}{8} \div \frac{1}{3} =$	(16) $\frac{7}{9} \div \frac{1}{7} =$