

**1** In a class of 30 students, there are 18 boys. What is the ratio of  
**a** boys to girls?

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**b** girls to boys?

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**2** Michael delivered 480 bottles of milk every morning between 6:00 am and 9:00 am. Find his hourly rate of delivery.

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**3** Tony buys a pen for \$30 and sells it for \$40. What is the ratio of  
**a** the cost price to the selling price?

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**b** the selling price to the cost price?

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**4** John drives 240 km in 4 hours. Find his average speed.

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**5** Divide \$300 in the ratio 2 : 3.

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**6** Two angles of a triangle are  $40^\circ$  and  $60^\circ$ . What is the ratio of  
**a** the third angle to the angle sum of the triangle?

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**b** the smallest angle to the largest angle?

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**7** A car travels at 450 km in 5 hours. What is the speed of the car per hour?

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**8** If a 20 kg box of oranges cost \$15, calculate the price for 1 kg of oranges.

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**9** A person wishes to divide \$120 000 in the ratio of 3 : 7 to give to his son and his wife respectively. How much does each one get?

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**10** A concrete mixture is made up of five parts of metal, three parts of sand and two parts of cement. Find the quantity of each needed to make 50 cubic metres of concrete.

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