

Ratio - Two Quantities

Sheet 2

- 1) Harry reads 32 pages of a 52-page comic book before he falls asleep. What is the ratio of the pages that Harry read to the pages that remain to be read?

- 2) An electric pole is 16 m tall and it casts a shadow that is 24 m long. What is the ratio of the height of the electric pole to the length of the shadow cast by it?

- 3) Ben and Jude share some sweets in the ratio 3:5. Ben gets 12 sweets. How many sweets does Jude get? Find the ratio of the sweets that Ben gets to the sweets that Jude gets.

- 4) Light travels at a speed of 180,000 mi/s in air and a speed of 120,000 mi/s in glass. Compare the speed of light in air to the speed in glass.

- 5) Duralumin, an alloy consists of 94% aluminium, 4% copper and 1% magnesium. What is the ratio of copper to aluminium in Duralumin?

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Answer key**Ratio - Two Quantities**

Sheet 2

- 1) Harry reads 32 pages of a 52-page comic book before he falls asleep. What is the ratio of the pages that Harry read to the pages that remain to be read?

32 : 20 or 8 : 5

- 2) An electric pole is 16 m tall and it casts a shadow that is 24 m long. What is the ratio of the height of the electric pole to the length of the shadow cast by it?

16 : 24

- 3) Ben and Jude share 44 sweets in the ratio of 4 : 3. How many sweets does each get? Find the ratio of the sweets that Ben gets to the sweets that Jude gets.

44 : 36

- 4) Light travels at a speed of 186,200 miles per second in a vacuum. The speed of light in glass is 120,000 miles per second. Compare the speed of light in a vacuum to the speed of light in glass.

186200 : 120000

- 5) Duralumin, an alloy consists of 94% aluminium, 4% copper and 1% magnesium. What is the ratio of copper to aluminium in Duralumin?

4 : 94 or 2 : 47

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