

Identify a rate as a ratio of unlike units

NAME	DATE	SCORE / 10
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- 1** Is "48 litres of water in 6 minutes" a rate, and why?
- ☐ No: it is not for 1 minute ☐ Yes: it compares litres with water
- ☐ No: litres and minutes cannot be compared ☐ Yes: it compares litres with minutes

- 2** Is "7 kilometres of walking to 6 kilometres of biking" a rate, and why?
- ☐ No: both amounts are in kilometres ☐ Yes: any comparison of two amounts is a rate
- ☐ No: walking and biking cannot be compared ☐ Yes: it compares walking with biking

- 3** Is "\$12 for 4 kilograms of apples" a rate, and why?
- ☐ No: dollars and kilograms cannot be compared ☐ No: it is not for 1 kilogram
- ☐ Yes: it compares dollars with kilograms ☐ Yes: it compares dollars with apples

- 4** Is "4 cups of juice to 9 cups of water" a rate, and why?
- ☐ Yes: any comparison of two amounts is a rate ☐ Yes: it compares juice with water
- ☐ No: both amounts are in cups ☐ No: juice and water cannot be compared

- 5** Is "35 kilograms of dog food to 30 kilograms of cat food" a rate, and why?
- ☐ Yes: it compares dog food with cat food ☐ Yes: any comparison of two amounts is a rate
- ☐ No: both amounts are in kilograms ☐ No: dog food and cat food cannot be compared

- 6** Is "\$34 for 2 hours of work" a rate, and why?
- ☐ Yes: it compares dollars with work ☐ No: dollars and hours cannot be compared
- ☐ No: it is not for 1 hour ☐ Yes: it compares dollars with hours

- 7** Is "87 kilometres on 3 litres of gas" a rate, and why?
- ☐ Yes: it compares kilometres with gas ☐ Yes: it compares kilometres with litres
- ☐ No: kilometres and litres cannot be compared ☐ No: it is not for 1 litre

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Is "40 cm of red ribbon to 35 cm of blue ribbon" a rate, and why?

- ☐ No: red ribbon and blue ribbon cannot be compared
- ☐ Yes: any comparison of two amounts is a rate
- ☐ Yes: it compares red ribbon with blue ribbon ☐ No: both amounts are in centimetres
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Is "3 kilometres of walking to 4 kilometres of biking" a rate, and why?

- ☐ No: walking and biking cannot be compared
- ☐ Yes: any comparison of two amounts is a rate ☐ No: both amounts are in kilometres
- ☐ Yes: it compares walking with biking
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Is "6 kilometres of walking to 7 kilometres of biking" a rate, and why?

- ☐ No: walking and biking cannot be compared ☐ No: both amounts are in kilometres
- ☐ Yes: it compares walking with biking ☐ Yes: any comparison of two amounts is a rate

Identify a rate as a ratio of unlike units

1 Yes: it compares litres with minutes

3 Yes: it compares dollars with kilograms

5 No: both amounts are in kilograms

7 Yes: it compares kilometres with litres

9 No: both amounts are in kilometres

2 No: both amounts are in kilometres

4 No: both amounts are in cups

6 Yes: it compares dollars with hours

8 No: both amounts are in centimetres

10 No: both amounts are in kilometres