Class /Homework

Check

4. Express each unit rate using symbols.
  a) Morag typed 60 words in 1 min.
  b) Peter swam 25 m in 1 min.
  c) Abdul read 20 pages in 1 h.

5. Express as a rate first, then unit rate
  a) June cycled 30 km in 2 h.
  b) A caribou travelled 12 km in 30 min.
  c) A plane flew 150 km in 15 min.

6. Express as a rate first, then unit rate
  a) Elsie delivered 220 flyers in 4 h.
  b) Winston iced 90 cupcakes in 1.5 h.
  c) The temperature rose 18°C in 4 h.

7. Which sentences use ratios? Which sentences use rates? How do you know?
  a) The car was travelling at 60 km/h.
  b) Katie earns $8/h at her part-time job.
  c) The punch has 3 cups of cranberry juice and 4 cups of ginger ale.
  d) The soccer team won 25 games and lost 15 games.

Apply

8. Express as a rate first, then unit rate
  a) Milk costs $4.50 for 4 L.
  b) Corn costs $3.00 for 12 cobs.
  c) 24 cans of iced tea cost $9.99.

9. Lindsay has scored 15 goals in 10 lacrosse games this season.
  a) What is her unit rate of scoring?
  b) How many goals might Lindsay score in 35 games? What assumptions do you make?

10. Before running in a 100-m race, Gaalen's heart rate was 70 beats/min. Which do you think is more likely after the race: 60 beats/min or 120 beats/min? Explain.

11. Ribbon costs $1.44 for 3 m.
  a) What is the cost per metre? Express as a rate first, then unit rate
  b) How much would 5 m of ribbon cost?
  c) How much ribbon could you buy for $12?

12. Monique worked as a cleaner at the Calgary Stampede and Exhibition. She was paid $84 for an 8-h day.
  a) What was Monique's hourly rate of pay?
  b) How much would Monique earn for 35 h of work?

13. A 400-g package of Swiss cheese costs $4.80.
  a) What is the cost per 100 g?
  b) How much would 250 g cost?
  c) How much would 1 kg cost?
  d) How much Swiss cheese could you buy with $18?

Attachments

Hundreds chart.jpg