Speed Distance Time Homework

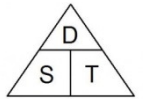| Literacy	Research	Memory
speed, miles, kilometres, unit, average, formula	Who is the fastest 100m runner in the world? Compare his speed to the speed of land animals – give examples of animals that can run faster.	Memorise the formula $$speed = \frac{distance}{time}$$

Skills

a) Ben cycled 20 miles in 2 hours. What was his average speed in mph?

b) Mark drove 50km in 4 hours. What was his average speed in km/h?

c) A horse travelled 20 miles at a speed of 10 mph. How long did this take?

d) Helen walked at 4 mph for 2 hours. What distance did she travel?

e) Joe ran at 6km/h for 30 minutes. How far did he run?

f) A coach went 25 miles in 30 minutes. What was its average speed in mph?

Stretch

a) Polly drove 60 km in 40 minutes. What was her average speed in km/h?

b) Tej ran 2,000 metres in 15 minutes. What was his average speed in km/h?

c) A middle distance runner runs at an average speed of 6 m/s. How long will it take him to run 1.5km? Give your answer in minutes.

Answers

<u>Skills</u>

    a) 10mph

    b) 12.5km/h

    c) 2 hours

    d) 8 miles

    e) 3km

    f) 50mph

<u>Stretch</u>

    a) 90km/h

    b) 8km/h

    c) 4 minutes 10 seconds ($4\frac{1}{6}$ minutes)