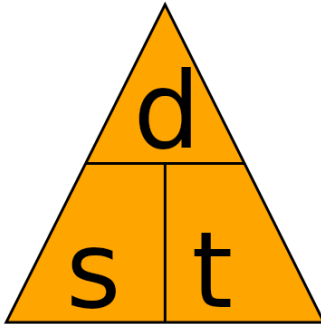




Interpret speed as a rate

- 1** Which speed/distance/time fact comes from this fact family



- A $t = \frac{d}{s}$
- B $t = \frac{s}{d}$
- C $d = \frac{t}{s}$

- 4** A rocket flies 3,500dm in 70ms. How fast is this in dm/ms?

- A 50 dm/ms
- B 245,000 dm/ms
- C 500 dm/ms
- D 5 dm/ms

- 5** A bug crawls 4,000cm in 80hr. How fast is this in hm/hr?

- | | |
|------------------|----------------|
| A
0.005 hm/hr | B
0.8 hm/hr |
| C
0.5 hm/hr | D
32 hm/hr |

- 2** What measurement would this calculation result in?

$$\frac{s}{t}$$

- A Distance
- B Speed
- C None of These
- D Time

- 3** A car drives R mm in Y min. How fast is this in mm/min?

- A $RY \text{ mm/min}$
- B $\frac{Y}{R} \text{ mm/min}$
- C $\frac{R}{Y} \text{ mm/min}$
- D $\frac{1}{RY} \text{ mm/min}$

- 6** A spaceship flies 1,400km in 70s. How fast is this in dam/ms?

- A 2 dam/ms
- B 9,800,000,000 dam/ms
- C 7 dam/ms
- D 11 dam/ms



Interpret speed as a rate

7

A car starts at 2:45 and drives until 4:30. It goes 280km. How fast is this in km/hr?

A

16 km/hr

B

160 km/hr

C

490 km/hr

D

230 km/hr

8

A car starts at 3:30 and drives until 7:00. It goes 280km. How fast is this in km/hr?

A

800 km/hr

B

980 km/hr

C

120 km/hr

D

80 km/hr

9

A car starts at 4:00 and drives until 8:00. It goes 320km. How fast is this in km/hr?

A

1,280 km/hr

B

40 km/hr

C

80 km/hr

D

800 km/hr

10

Spaceship A flies 50m in 6ms. Spaceship B flies 50m in 4ms. Which is faster?

A

Spaceship A

B

Spaceship B

11

Car A drives 50km in 40min. Car B drives 4,000dam in 1.33hr. Which is faster?

A

Car A

B

Car B

12

Bug A crawls 20dam in 4hr. Bug B crawls 40dam in 0.17d. Which is faster?

A

Bug B

B

Bug A

13

A horse trots 2,400cm in 60s. How fast is this in cm/hr?

A

1,440,000 cm/hr

B

40 cm/hr

C

14,400,000 cm/hr

D

144,000 cm/hr