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Rate

Name: _____

Practice 1 Rates

Example

1. A car can travel 72 km on 6 ℓ of petrol.
How many kilometres can the car travel on 1 ℓ of petrol?

$$6 \ell \rightarrow 72 \text{ km}$$

$$1 \ell \rightarrow \frac{72}{6}$$

$$= 12 \text{ km}$$

The car can travel 12 km on 1 ℓ of petrol.

2. Sarah paid \$14 for renting a bicycle for 2 hours.
How much did Sarah pay per hour?

$$2 \text{ h} \rightarrow \$$$

$$1 \text{ h} \rightarrow \$ \frac{\quad}{2}$$

$$= \$ \quad$$

Sarah paid \$ per hour

3. Azwan sells mussels at \$8 per kg. At this rate, how much money will Azwan receive from selling 30 kg of mussels?

1 kg $\rightarrow$ \$ _____

30 kg $\rightarrow$ \$ _____ $\times$ _____

= \$ _____

Azwan will receive \$ _____ from selling 30 kg of mussels.

4. Zainal wants to post 40 invitation cards to his friends.
The postage cost per card is 25¢. At this rate, how much will it cost Zainal to send out all the invitation cards?

1 card $\longrightarrow$ cents _____

40 card $\longrightarrow$ cents $\times$ _____
= _____ cents
= \$ _____

It will cost Zainal \$ _____ to send put all the invitation cards

5. A phone company charges 35¢ per minute for an overseas call. At this rate, how much does a 5-minute call cost? Give your answer in dollars and cents.

1 minute → cents

5 minutes → cents X _____
= _____ cents
= \$ _____

A 5- minute call costs \$ _____

6. Fatin takes 1 day to sew 2 dresses. At this rate, how many days does Fatin take to sew 16 dresses?

2 dresses → day

16 dresses → _____ days

= _____ days

Fatin takes _____ days to sew 16 dresses

Practice 2 Solving Word Problems

1. An electronic roller makes 960 turns in 20 seconds.

(a) How many turns does it make in 1 second?

(b) How many turns does it make in 1 minute?

a) 20 s $\longrightarrow$ seconds

1 s $\longrightarrow$ -
= _____

It makes _____ turns in 1 second.

b) 1 minute = _____ seconds

60 seconds = _____ X _____
= _____

It makes _____ turns in 1 minute.

2. Irfan saved \$18 in 2 days. He saved an equal amount every day. At this rate, how much would Irfan save in 2 weeks?

For this question,

You may write down your working on a piece of paper.
Then, write your answer here.

Irfan would save \$ _____ in 2 weeks.

Working