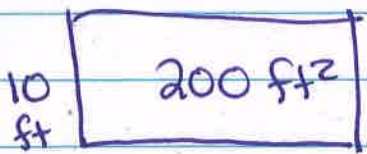


MZL16.

Application Problem

The length of the garden is 20 feet



$$\text{Area} = \text{length} \times \text{width}$$

$$\frac{200 \text{ ft}^2}{10 \text{ ft}} = l \times \frac{10 \text{ ft}}{10 \text{ ft}}$$

$$200 \text{ ft}^2 \div 10 \text{ ft} = l$$

$$20 \text{ ft} = l$$

Exit Ticket: m2L15

John swam 18,060 meters in 3 weeks

3 weeks = _____ days

$$E = 3 \times 1 \text{ week}$$

$$C = 3 \times 7 \text{ days}$$

$$A = 3 \times 21 \text{ days}$$

$$0.86 \times 21$$

$$0.86 \xrightarrow{\times 100} 86$$

KM

$$\times 21$$

$$186$$

$$+ 1720$$

$$1806 \xrightarrow{\div 100} 18.06$$

KM

$$18.06 \text{ KM} = \underline{\hspace{2cm}} \text{ m}$$

$$E = 18.06 \times (1 \text{ KM})$$

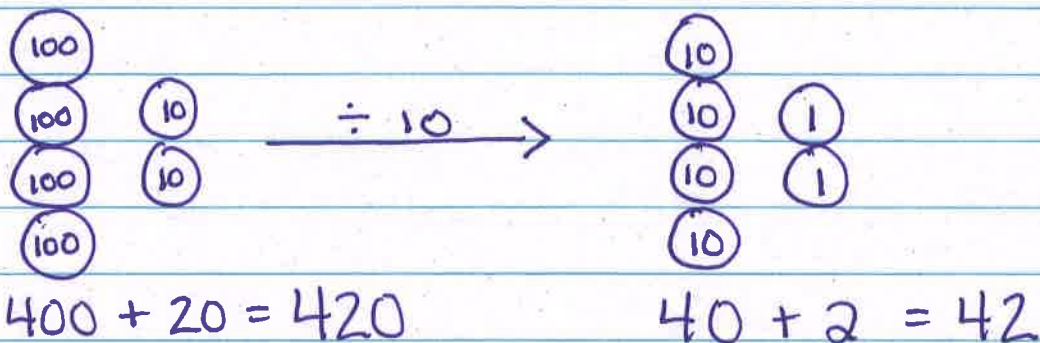
$$C = 18.06 \times (1000 \text{ m})$$

$$A = 18,060 \text{ m}$$

MZL16: Dividing w/ 10 Patterns

$$420 \div 10 =$$

Place value Disks



Place Value Chart

Hundreds	Tens	Ones	Tenths
4	2	0	
	4	2	0

$$420 \div 10 = 42$$

$$1600 \div 100 = 16$$

$$16 \text{ hundreds} \div 1 \text{ hundred} = 16$$

$$\begin{aligned} 24000 \div 600 &= \\ &\quad \underline{600} \\ &= 24000 \div 100 \div 6 \\ &= 240 \div 6 \\ &= 40 \end{aligned}$$

$$\begin{aligned} 180,000 \div 9000 &= \\ &= 180,000 \div 1000 \div 9 \\ &= 180 \div 9 \\ &= 20 \end{aligned}$$

2. Divide. The first one is done for you.

<p>a. $12,000 \div 30$</p> <p>$= 12,000 \div 10 \div 3$</p> <p>$= 1,200 \div 3$</p> <p>$= 400$</p>	<p>b. $12,000 \div 300$</p> <p>$= 12,000 \div 100 \div 3$</p> <p>$= 120 \div 3$</p> <p>$= 40$</p>	<p>c. $12,000 \div 3,000$</p> <p>$= 12,000 \div 1,000 \div 3$</p> <p>$= 12 \div 3$</p> <p>$= 4$</p>
<p>d. $560,000 \div 70$</p>	<p>e. $560,000 \div 700$</p>	<p>f. $560,000 \div 7,000$</p>
<p>g. $28,000 \div 40$ 40</p> <p>$= 28,000 \div 10 \div 4$</p> <p>$= 2,800 \div 4$</p> <p>$= 700$</p>	<p>h. $450,000 \div 500$</p> <p>$= 450,000 \div 100 \div 5$</p> <p>$= 4,500 \div 5$</p> <p>$= 900$</p>	<p>i. $810,000 \div 9,000$</p> <p>$810,000 \div 1,000 \div 9$</p> <p>$= 810, \del{000}$</p> <p>$= 810 \div 9$</p> <p>$= 90$</p>

3. The floor of a rectangular banquet hall has an area of $3,600 \text{ m}^2$. The length is 90 m.

a. What is the width of the banquet hall?



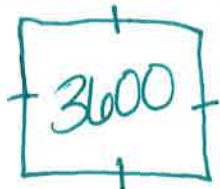
$$3600 \div 90 = w$$

$$3600 \div 10 \div 9 = w$$

$$360 \div 9 = w$$

$$40 = w$$

b. A square banquet hall has the same area. What is the length of the room?



$$36 = \frac{l}{10} \times \frac{w}{10}$$

$$\begin{array}{r} 36 \times 1 \\ 12 \times 3 \\ 9 \times 4 \\ 6 \times 6 \end{array}$$

$$3600 = \underline{60} \times \underline{60}$$

c. A third rectangular banquet hall has a perimeter of 3,600 m. What is the width if the length is 5 times the width?