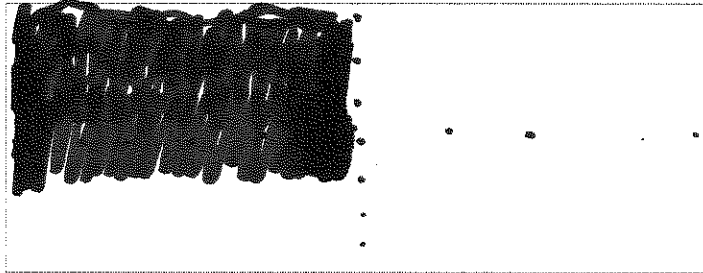


Name: Key

1. Shade in approximately 34% of the box below



2. You get 18 out of 20 questions on a test correct, what percent is this?

Part → $\frac{18}{20} = \frac{x}{100}$ ← % $18 \times 100 \div 20 = 90$
Whole ↗ 90%

3. A new printer normally costs \$209.98, it is on sale 30% off.

a) What will be the price after the discount?

① Find \$ value of discount $\frac{x}{209.98} = \frac{30}{100}$
② Subtract discount from original price $209.98 \times 30 \div 100 = 62.99$
 $209.98 - 62.99 = 146.99$ Discount is 62.99

b) What will be the final price if you buy it in BC where the sales taxes are 5% GST and 7% PST.

① Total tax $5\% + 7\% = 12\%$
② Find \$ value of tax $\frac{x}{146.99} = \frac{12}{100}$
③ Add on tax $146.99 \times 12 \div 100 = 17.64$
 $146.99 + 17.64 = 164.63$

4. A store buys a box of 24 candy bars for \$18, they sell each bar for \$1.10, what percent are they marking up the price?

$$\text{Unit price for one candy bar} = \frac{\$18}{24} = \$0.75$$

$$\text{Markup \$ amount } \$1.10 - \$0.75 = \$0.35$$

Markup as %

$$\frac{0.35}{0.75} = \frac{x}{100}$$

$$0.35 \times 100 \div 0.75 = 46.67\%$$

5. In the last election 52% of eligible voters actually voted, of these 49% voted for the winning party. There were 3.15 million eligible voters.

a) How many people voted for the winning party?

of voters

$$\frac{x}{3.15 \text{ mil}} = \frac{52}{100}$$

$$3.15 \times 52 \div 100 = 1.638 \text{ mil}$$

of those who voted for winning party

$$\frac{x}{1.638 \text{ mil}} = \frac{49}{100}$$

$$1.638 \times 49 \div 100 = 0.80 \text{ million}$$

b) What percentage of eligible voters voted for the winning party?

$$\frac{0.80}{3.15} = \frac{x}{100}$$

$$0.80 \times 100 \div 3.15 = 25.40\%$$