

# REMEMBERING PERCENTS QUESTIONS

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# 2, 3, 5, 9, 14, 15, 21, 22, 24, 26

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PER 2

2) 2%

$$\frac{2}{100}$$

$$\frac{1}{50}$$

3) 221%

$$\frac{221}{100}$$

5)  $4.\bar{3}$

4.333333...

$$433.\bar{3}\%$$

or

$$433\frac{1}{3}\%$$

9)  $\frac{14}{9}$

$$1.555\dots$$

$$9 \overline{) 14.00}$$

$$\begin{array}{r} -9 \downarrow \\ \hline 50 \\ -45 \downarrow \\ \hline 50 \end{array}$$

$$1.\bar{5}$$

#

$$155.\bar{5}\%$$

1.55555...

14)  $\frac{3}{4}$  is 75% of what number

$$\frac{a}{W} = \frac{P}{100}$$

$$\frac{0.75}{W} = \frac{75}{100}$$

$$100(0.75) = W(75)$$

$$\frac{75}{75} = \frac{75W}{75}$$

$$W = 1$$

15) ABOUT 29% OF EARTH SURFACE IS COVERED W/LAND.

TOTAL SURFACE OF EARTH ABOUT 510 MILLION KM<sup>2</sup>.

WHAT IS THE AREA OF EARTH'S SURFACE COVERED BY LAND?

$$\frac{a}{W} = \frac{P}{100}$$

$$\frac{a}{510,000,000} = \frac{29}{100}$$

$$510,000,000(29) = a(100)$$

$$\frac{14790,000,000}{100} = \frac{100a}{100}$$

$$147,900,000 = a$$

EARTH HAS ABOUT 147,900,000 KM<sup>2</sup> OF ITS SURFACE COVERED BY LAND.

21) 83% OF 20 IS WHAT NUMBER

$$a = P\% \times W$$

$$a = 83\% \times 20$$

$$a = 0.83 \times 20$$

$$a = 16.6$$

#22, 24, 26

22) 15% OF PARKING ARE HANDICAPPED  
THE SCHOOL HAS 18 H.C. SPACES  
HOW MANY TOTAL PARKING SPACES?

$$a = p\% \times W$$

$$18 = 15\% \times W$$

$$18 = 0.15 \times W$$

$$0.15 \quad 0.15$$

$$W = 120$$

THE SCHOOL HAS 120  
TOTAL PARKING SPOTS.

24) 6 yds TO 36 yds

$$P_oC = \frac{A_oC}{OA} \quad A_oC = \begin{array}{r} 36 \\ - 6 \\ \hline 30 \end{array}$$

$$P_oC = \frac{30}{6}$$

$$P_oC = 5$$

$P_oC = 500\%$ ; INCREASE

26) ESTIMATE : 68 MARBLES  
ACTUAL : 60 MARBLES

$$P_oE = \frac{A_oE}{A.A.} \quad A_oE = \begin{array}{r} 68 \\ - 60 \\ \hline 8 \end{array}$$

$$P_oE = \frac{8}{60}$$

$$P_oE = 0.1\bar{3}$$

$$P_oE = 0.133333...$$

$P_oE = 13.\bar{3}\%$   
or  
 $13\frac{1}{3}\%$