

Arithmetic week 4 answers

1) 5,934 (1 mark)

15) 34,870 (1 mark)

2) 273 (1 mark)

16) 625 (1 mark)

3) 224 (1 mark)

17) 20% of 1900 =

4) 6 (1 mark)

$\times 2 \begin{cases} 10\% = 190 \\ 20\% = \underline{\underline{380}} \end{cases}$ (1 mark)

5) 6.8 (1 mark)

6) 84 (1 mark)

18) 0.3×524
($\times 10$)

7) 347 (1 mark)

$$\begin{array}{r} 524 \\ \times 3 \\ \hline 1572 \end{array}$$

8) 8 (1 mark)

$1572 \div 10 = \underline{\underline{157.2}}$
(1 mark)

9) 6.24 (1 mark)

10) $\frac{4}{12}$ or $\frac{2}{6}$ or $\frac{1}{3}$
(1 mark)

19) $\frac{4}{6}$ or $\frac{2}{3}$ (1 mark)

11) 80 (1 mark)

20) 12,373 (1 mark)

12) 25,000 (1 mark)

21) 649 (1 mark)

13) $5^2 - 3^2$
1

22) 30.97 (1 mark)

$25 - 9 = \underline{\underline{16}}$ (1 mark)

14) 16,920 (1 mark)

$$\begin{array}{r}
 23) \overset{x1}{5} 3 \\
 \underline{x 6 \text{ (7)}} \\
 3 \ 7 \ 1 \\
 \underline{3 \ 1 \ 8 \ 0} \\
 3 \ 5 \ 5 \ 1 \quad (2 \text{ marks})
 \end{array}$$

$$24) 17.92$$

$$\begin{array}{r}
 25) 14 \overline{) 18184} \\
 \underline{1400} \text{ (100)} \\
 784 \\
 \underline{700} \text{ (50)} \\
 084 \\
 \underline{70} \text{ (5)} \\
 14 \\
 \underline{14} \text{ (1)} \\
 00
 \end{array}$$

$$\begin{array}{l}
 1 = 14 \\
 2 = 28 \\
 5 = 70 \\
 10 = 140 \\
 20 = 280 \\
 50 = 700 \\
 100 = 1400 \\
 200 = 2800
 \end{array}$$

$$= \underline{\underline{156}} \quad (2 \text{ marks})$$

$$26) \frac{1}{7} \times \frac{2}{6} = \frac{2}{42} \quad \text{or} \quad \frac{1}{21} \quad (1 \text{ mark})$$

~~$$27) 5 \times (25 - 11)$$~~

$$\begin{array}{c}
 27) 5 \times (25 - 11) = \\
 \quad \quad \quad \backslash \quad / \\
 5 \times 14 = \underline{\underline{70}} \quad (1 \text{ mark})
 \end{array}$$

28) 41% of 210 =

$\begin{matrix} 10\% = 21 \\ \times 4 \\ \hline 40\% = 84 \end{matrix}$

1% = 2.1

$84 + 2.1 = \underline{\underline{86.1}}$
 (1 mark)

29)
$$\begin{array}{r} \overset{3'}{3} \overset{8'}{6} 5 \\ \times \quad 3 \quad \textcircled{5} \\ \hline 1825 \\ 10950 \\ \hline 12775 \end{array}$$
 (2 marks)

30) $7 \times 4 \frac{1}{3} =$

$$\frac{7}{1} \times \frac{13}{3} = \frac{91}{3} = 30 \frac{1}{3}$$
 (1 mark)

31) $40 - 2 \times 14 \div 2 =$ ~~18~~ ~~6~~ ~~10~~ ~~18~~ ~~AS~~

$$40 - 2 \times 7$$

$$40 - 14 = \underline{\underline{26}}$$
 (1 mark)

32) $\frac{4}{10} \div 3 =$

$$\frac{4}{10} \times \frac{1}{3} = \frac{4}{30} = \frac{2}{15}$$
 (1 mark)

$$33) 7\frac{1}{4} - \frac{1}{3} =$$

$$\frac{29^{\times 3}}{4 \times 3} - \frac{1^{\times 4}}{3 \times 4} =$$

$$\frac{87}{12} - \frac{4}{12} = \frac{83}{12} = 6\frac{11}{12} \quad (1 \text{ mark})$$

$$34) \begin{array}{r} 25 \overline{) 156125} \\ \underline{1250} \quad (50) \\ 375 \\ \underline{250} \quad (10) \\ 125 \\ \underline{125} \quad (5) \\ 000 \end{array}$$

$$\begin{aligned} 1 &= 25 \\ 2 &= 50 \\ 5 &= 125 \\ 10 &= 250 \\ 20 &= 500 \\ 50 &= 1250 \\ 100 &= 2500 \\ 200 &= \end{aligned}$$

$$= \underline{\underline{65}} \quad (2 \text{ marks})$$

$$35) \frac{3^{\times 4}}{9 \times 4} + \frac{3^{\times 9}}{4 \times 9} =$$

$$\frac{12}{36} + \frac{27}{36} = \frac{39}{36} = 1\frac{3}{36} \quad \text{or} \quad 1\frac{1}{12} \quad (1 \text{ mark})$$

$$36) \frac{7}{12} \div 2 =$$

$$\frac{7}{12} \times \frac{1}{2} = \frac{7}{24} \quad (1 \text{ mark})$$