

Arithmetic - Week 3 answers

1) 1,183 (1 mark) 10) $\frac{4}{6}$ or $\frac{2}{3}$ (1 mark)

2) $\begin{array}{r} 492 \\ \times 6 \\ \hline 2952 \end{array}$ (1 mark) 11) $\begin{array}{r} 80 \\ 9 \overline{) 720} \end{array}$ (1 mark)

3) $\begin{array}{r} 7.3 \\ + 0.8 \\ \hline 8.1 \end{array}$ (1 mark) 12) 488 (1 mark)

13) $5^2 = 5 \times 5$
 $= 25$ (1 mark)

4) $\begin{array}{r} 45 \\ \times 4 \\ \hline 180 \end{array}$ (1 mark)

14) 39,600 (1 mark)

15) 10,000 (1 mark)

16) $\begin{array}{r} 684 \\ 12 \overline{) 8208} \end{array}$ (1 mark)

~~5) 4,07~~
5) $\begin{array}{r} 4,059 \\ + 754 \\ \hline 4,813 \end{array}$ (1 mark)

17) 90% of 2300 =
2070 (1 mark)

6) 8 (1 mark)

7) 583 (1 mark)

18) $\begin{array}{r} 7.18 \\ \times 6 \\ \hline 4.08 \end{array}$ (1 mark)

8) 2.78 (1 mark)

9) $7 \times 4 \times 5$

19) $\frac{5}{7}$ (1 mark)

$\begin{array}{r} 28 \\ \times 5 \\ \hline 140 \end{array}$ (1 mark)

20) 13,404 (1 mark)

21)
$$\begin{array}{r} 358 \\ 6 \overline{) 2148} \end{array}$$
 (1 mark)

22)
$$\begin{array}{r} 14.98 \\ - 9.02 \\ \hline \end{array}$$
 (1 mark)

23)
$$\begin{array}{r} 42 \\ \times 65 \\ \hline 210 \\ 2520 \\ \hline 2730 \end{array}$$
 (2 marks)

24)
$$\begin{array}{r} 11.80 \\ - 9.77 \\ \hline 1.43 \end{array}$$
 (1 mark)

25)
$$\begin{array}{r} 342 \\ 14 \overline{) 4788} \\ - 2800 \quad (200) \\ \hline 1988 \\ - 1400 \quad (100) \\ \hline 588 \\ - 280 \quad (20) \\ \hline 308 \\ - 280 \quad (20) \\ \hline 28 \\ - 28 \quad (1) \\ \hline 00 \end{array}$$

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

(2 marks)

$$26) \frac{1}{4} \times \frac{2}{5} = \frac{2}{20} \stackrel{(or)}{=} \frac{1}{10} \quad (1 \text{ mark})$$

$\div 2$

$$27) 35\% \text{ of } 180 =$$

$\swarrow \quad \searrow$
 30% 5%

$$\begin{array}{c}
 \begin{array}{c}
 \text{10\%} = 18 \\
 \times 3 \\
 \hline
 \text{30\%} = 54
 \end{array}
 \end{array}
 \div 2$$

$\text{5\%} = 9$
~~18 + 9 = 27~~

(1 mark)

$$54 + 9 = \underline{\underline{63}}$$

$$28) 15, 510$$

(1 mark)

$$\begin{array}{r}
 \begin{array}{r}
 \overset{3}{3} \overset{8}{8} 4 \\
 \times \quad 4 \\
 \hline
 1920 \\
 15360 \\
 \hline
 17280
 \end{array}
 \end{array}$$

(2 marks)

$$30) 6 \times 5 \frac{1}{4} =$$

$$\frac{6}{1} \times \frac{21}{4} = \frac{126}{4} = 31.5 \text{ (1 mark)}$$

$$\begin{array}{r} 31 \text{ r } 2 \\ 4 \overline{) 126} \end{array}$$

$$= 31.5$$

$$31) 5 \times 12 \div 4 =$$

$$5 \times 3 = 15$$

~~DMAS~~

(1 mark)

$$32) \frac{1}{10} \div 2 =$$

$$\frac{1}{10} \times \frac{1}{2} = \frac{1}{20}$$

(1 mark)

$$33) 5 \frac{1}{5} - \frac{2}{3} =$$

$$\frac{26 \times 3}{5 \times 3} - \frac{2 \times 5}{3 \times 5}$$

$$\frac{78}{15} - \frac{10}{15} = \frac{68}{15} = 4 \frac{8}{15} \text{ (1 mark)}$$

$$\begin{array}{r} 15 \\ 30 \\ 45 \\ 60 \end{array}$$

$$\begin{array}{r}
 315 \\
 34 \overline{) 26 \overline{) 8190}} \\
 \underline{5200} \quad (200) \\
 2990 \\
 \underline{2600} \quad (100) \\
 0390 \\
 \underline{260} \quad (10) \\
 130 \\
 \underline{130} \quad (5) \\
 000
 \end{array}$$

$$\begin{aligned}
 1 &= 26 \\
 2 &= 52 \\
 5 &= 130 \\
 10 &= 260 \\
 20 &= 520 \\
 50 &= 1300 \\
 100 &= 2600 \\
 200 &= 5200
 \end{aligned}$$

(2 marks)

$$35) \frac{2 \times 5}{6 \times 5} + \frac{3 \times 6}{5 \times 6} =$$

$$\frac{10}{30} + \frac{18}{30} = \frac{28}{30} = \frac{14}{15}$$

$$\frac{28}{30} \xrightarrow{\div 2} \frac{14}{15}$$

(1 mark)

$$36) \frac{3}{4} \div 2 =$$

$$\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$$

(1 mark)