

Review 4

1. Write the following as a decimal.

(a) $\frac{9}{1000} =$ _____

(b) $\frac{63}{1000} =$ _____

(c) $2\frac{137}{1000} =$ _____

(d) $3\frac{251}{1000} =$ _____

2. Convert each fraction or mixed number to a decimal.

(a) $\frac{3}{500} =$ _____

(b) $\frac{43}{250} =$ _____

(c) $3\frac{101}{200} =$ _____

(d) $7\frac{7}{125} =$ _____

3. Express each decimal as a fraction or mixed number in its simplest form.

(a) $0.734 =$ _____

(b) $0.496 =$ _____

(c) $1.435 =$ _____

(d) $3.625 =$ _____

4. Arrange 0.303 , $\frac{33}{125}$ and $\frac{103}{250}$ in increasing order.

5. Arrange $\frac{7}{8}$, 0.789 and $\frac{22}{25}$ in decreasing order.

6. Add. Then, use your calculator to check your answers.

(a)
$$\begin{array}{r} 3.462 \\ + 3.127 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 5.291 \\ + 4.356 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 6.938 \\ + 2.807 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 7.145 \\ + 5.956 \\ \hline \end{array}$$

7. Subtract. Then, use your calculator to check your answers.

(a)
$$\begin{array}{r} 4.869 \\ - 3.520 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 5.683 \\ - 3.067 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 8.213 \\ - 4.572 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 6.000 \\ - 1.592 \\ \hline \end{array}$$

8. Multiply by 10.

(a) $86.4 \times 10 = \underline{\hspace{2cm}}$

(b) $0.09 \times 10 = \underline{\hspace{2cm}}$

(c) $10 \times 10.863 = \underline{\hspace{2cm}}$

(d) $10 \times 4.005 = \underline{\hspace{2cm}}$

9. Multiply by tens.

(a) $0.5 \times 30 = \underline{\hspace{2cm}}$

(b) $1.75 \times 40 = \underline{\hspace{2cm}}$

(c) $50 \times 6.94 = \underline{\hspace{2cm}}$

(d) $90 \times 7.3 = \underline{\hspace{2cm}}$

10. Multiply by 100.

(a) $9.7 \times 100 =$ _____

(b) $73.96 \times 100 =$ _____

(c) $100 \times 0.003 =$ _____

(d) $100 \times 30.1 =$ _____

11. Multiply by hundreds.

(a) $0.2 \times 700 =$ _____

(b) $0.11 \times 200 =$ _____

(c) $300 \times 0.07 =$ _____

(d) $600 \times 1.92 =$ _____

12. Multiply by 1000.

(a) $0.4 \times 1000 =$ _____

(b) $9.34 \times 1000 =$ _____

(c) $1000 \times 0.054 =$ _____

(d) $1000 \times 60.2 =$ _____

13. Multiply by thousands.

(a) $3.5 \times 4000 =$ _____

(b) $25.61 \times 9000 =$ _____

(c) $8000 \times 0.06 =$ _____

(d) $5000 \times 5.17 =$ _____

14. Write a decimal which is less than 10 and has:

(a) 1 decimal place: _____

(b) 2 decimal places: _____

Multiply each decimal by 20, 500 and 7000 and complete the table below.

Decimal	$\times 20$	$\times 500$	$\times 7000$
(a)			
(b)			

15. Divide.

(a) $37 \div 10 =$ _____

(b) $36.7 \div 10 =$ _____

(c) $0.75 \div 10 =$ _____

(d) $456 \div 30 =$ _____

(e) $19.6 \div 20 =$ _____

(f) $57.88 \div 40 =$ _____

16. Divide.

(a) $50 \div 100 =$ _____

(b) $184 \div 100 =$ _____

(c) $93.1 \div 100 =$ _____

(d) $360 \div 900 =$ _____

(e) $738 \div 600 =$ _____

(f) $12.8 \div 400 =$ _____

17. Divide.

(a) $2700 \div 1000 =$ _____

(b) $7530 \div 1000 =$ _____

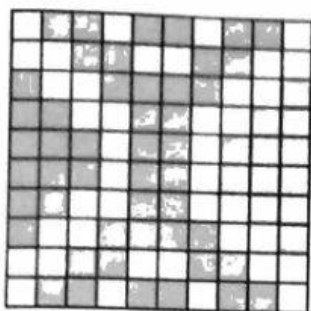
(c) $489 \div 1000 =$ _____

(d) $4200 \div 7000 =$ _____

(e) $1020 \div 3000 =$ _____

(f) $6084 \div 6000 =$ _____

18. What percentage of the big square is shaded?



_____ %

19. Express each of the following as a percentage.

(a) 88 out of 100 = _____ % (b) 45 out of 100 = _____ %

20. Express each fraction as a percentage.

(a) $\frac{53}{100} =$ _____ % (b) $\frac{81}{100} =$ _____ %

21. Express 3 wholes and a half as a percentage.

_____ %

22. Express each fraction as a percentage.

(a) $\frac{1}{10} =$ _____ % (b) $\frac{3}{5} =$ _____ %

(c) $\frac{7}{20} =$ _____ % (d) $\frac{16}{25} =$ _____ %

*(e) $1\frac{3}{4} =$ _____ % *(f) $2\frac{3}{50} =$ _____ %

23. Express each percentage as a fraction or mixed number in its simplest form.

(a) $23\% =$ _____

(b) $55\% =$ _____

(c) $25\% =$ _____

(d) $76\% =$ _____

*(e) $146\% =$ _____

*(f) $288\% =$ _____

24. Express each decimal as a percentage.

(a) $0.09 =$ _____%

(b) $0.3 =$ _____%

(c) $0.59 =$ _____%

(d) $0.87 =$ _____%

*(e) $1.11 =$ _____%

*(f) $2.5 =$ _____%

25. Express each percentage as a decimal.

(a) $5\% =$ _____

(b) $70\% =$ _____

(c) $34\% =$ _____

(d) $68\% =$ _____

*(e) $247\% =$ _____

*(f) $380\% =$ _____

26. The capacity of a container is 10ℓ . Nasri added 6.785ℓ of water and 2.538ℓ of orange syrup into the empty container. How much more liquid can the container hold?

Working

27. The mass of a box of ice cream is 7 times the mass of a block of butter. The mass of the box of ice cream is 1.68 kg . What is the total mass of 800 such blocks of butter?