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 = _____

LIVEWORKSHEETS

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

LIVEWORKSHEETS

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) $86.4 \times 10 =$ _____

(b) $0.09 \times 10 =$ _____

(c) $10 \times 10.863 =$ _____

(d) $10 \times 4.005 =$ _____

9. Multiply by tens.

(a) $0.5 \times 30 =$ _____

(b) $1.75 \times 40 =$ _____

(c) $50 \times 6.94 =$ _____

(d) $90 \times 7.3 =$ _____

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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) $5000 \times 5.17 =$ _____

LIVEWORKSHEETS

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	× 20	× 500	× 7000
(a)			
(b)			

15. Divide.

(a) 37 ÷ 10 = _____

(b) 36.7 ÷ 10 = _____

(c) 0.75 ÷ 10 = _____

(d) 456 ÷ 30 = _____

(e) 19.6 ÷ 20 = _____

(f) 57.88 ÷ 40 = _____

LIVEWORKSHEETS

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) $489 \div 1000 =$ _____

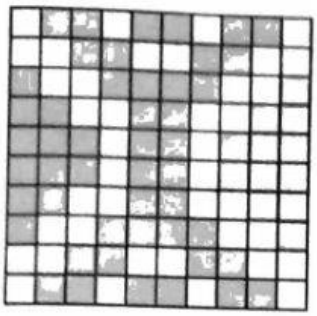
(d) $4200 \div 7000 =$ _____

(e) $1020 \div 3000 =$ _____

(f) $6084 \div 6000 =$ _____

LIVEWORKSHEETS

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) $2\frac{3}{50}$ = _____%

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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% = _____

LIVEWORKSHEETS

26. The capacity of a container is 10 ℓ. Nasri added 6.785 ℓ of water and 2.538 ℓ 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?

LIVEWORKSHEETS