EMBERS
ACADEMY

Summer 2024

Saxon 6/5 Math Review

For students entering Fifth Grade in the 2024-2025 school year.

Post Saxon 6/5 Review

Divide:

$9\overline{)981}$

$4\overline{)834}$

When the students voted for president, Jason received 117 votes and Jeremy received 155 votes. Jeremy won by how many votes?

Kris is 4 years younger than his brother Terell. Kris is 15 years old. How old is Terell?

There were 8 more boys than girls in the class. If there were 12 boys in the class, how many girls were there?

~~Kris is 3 years younger than his brother Terell. Kris is 12 years old. How old is Terell?~~

[A] 13 yr [B] 14 yr [C] 16 yr [D] 15 yr

How many years were there from 1482 to 1582?

Multiply:

256×250

$$\begin{array}{r} \$2.38 \\ \times\ 590 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.01 \\ \times\ 560 \\ \hline \end{array}$$

[A] \$1125.60 [B] \$1115.60 [C] \$1225.60 [D] \$11,256.00

Subtract:

$$\begin{array}{r} 10 \\ -\ 7\frac{2}{3} \\ \hline \end{array}$$

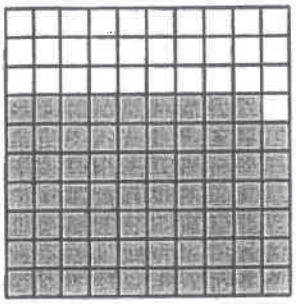
$5 - 3\frac{3}{4}$

$$\begin{array}{r} 39 \\ -\ 18\frac{4}{5} \\ \hline \end{array}$$

[A] $21\frac{4}{5}$ [B] $21\frac{1}{5}$ [C] $20\frac{4}{5}$ [D] $20\frac{1}{5}$

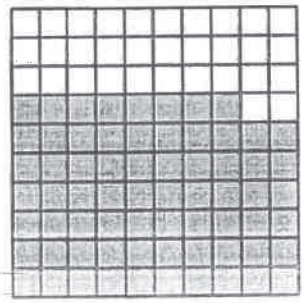
The fraction $\frac{3}{5}$ is equivalent to 0.6 and to 60%. Express 0.6 and 60% as unreduced fractions.

Express the shaded part as a fraction, as a decimal, and as a percent.



Compare: 1.231 ◯ 1.739

Express the shaded part as a fraction, as a decimal, and as a percent.



[A] $\frac{32}{100}$; 3.2; 32% [B] $\frac{68}{100}$; 0.68; 68% [C] $\frac{32}{100}$; 0.32; 32% [D] $\frac{68}{100}$; 6.8; 68%

Multiply:

$\frac{1}{7} \times \frac{5}{9}$

$\frac{7}{9} \times \frac{7}{9}$

A nickel is what fraction of a dollar?

A nickel is what fraction of a dime?

[A] $\frac{1}{5}$ [B] $\frac{1}{4}$ [C] $\frac{1}{3}$ [D] $\frac{1}{2}$

Express as a whole number: 2^5

If $2n = 4$, then what does n^2 equal?

Write 1,600,000 in expanded notation using powers of 10.

Reduce:

$6\frac{4}{20}$

Solve. Reduce your answer: $6\frac{11}{14} - 2\frac{5}{14}$

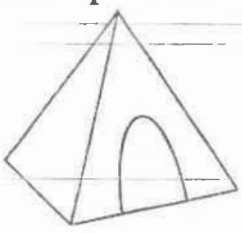
[A] 62 [B] $9\frac{1}{7}$ [C] $4\frac{3}{7}$ [D] $\frac{7}{8}$

Find the greatest common factor of 48 and 8.

What is the greatest common factor of 20 and 30?

What is the greatest common factor of 40 and 8?

Name the shape of a tent.



Name the geometric solid suggested by a filing cabinet.

Solve. Reduce your answer:

$\frac{1}{8} \times \frac{2}{9}$

[A] $\frac{1}{24}$ [B] $\frac{3}{17}$ [C] $\frac{1}{36}$ [D] $\frac{16}{9}$

Solve. Simplify your answer:

$6 \times \frac{1}{4}$

$2\frac{4}{6} + 3\frac{3}{6}$

Simplify: $\frac{10}{8}$

Solve. Simplify your answer: $6\frac{6}{12} + 8\frac{9}{12}$

[A] $15\frac{1}{4}$ [B] $16\frac{1}{3}$ [C] $16\frac{1}{4}$ [D] $15\frac{1}{3}$

Divide:

$42\overline{)896}$

Subtract:

8 – 0.36

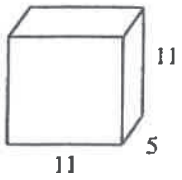
8.5 – 1

0.7 – 0.22

0.5 – 0.27

[A] 0.73 [B] 0.21 [C] 0.23 [D] 0.31

Find the volume of the solid figure. Dimensions are in millimeters.



Gary's closet is 4 feet wide, 4 feet deep, and 10 feet high. How many boxes that are 1-foot cubes could Gary fit into his closet?

Round 84.1 to the nearest whole number.

Multiply:

0.5×0.23

[A] 11.5 [B] 1.15 [C] 0.115 [D] 0.0115

0.2×0.23

$$\begin{array}{r} 0.01 \\ \times\ 0.3 \\ \hline \end{array}$$

0.03×0.31

[A] 0.00093 [B] 0.0093 [C] 0.93 [D] 0.093

0.066×100

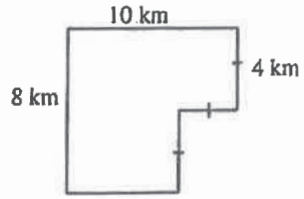
0.804×1000

0.998×10

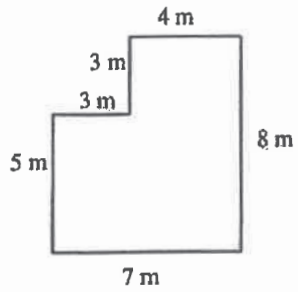
[A] 9.98 [B] 998 [C] 0.998 [D] 99.8

What is the least common multiple of 2 and 8?

Two rectangles are joined to form a hexagon. Find the area of the hexagon.



Two rectangles are joined to form a hexagon. What is the area of the hexagon?



[A] 47 m^2 [B] 52 m^2 [C] 50 m^2 [D] 45 m^2

Subtract: $\frac{5}{7} - \frac{1}{14}$

Compare:

$\frac{28}{31} \bigcirc \frac{6}{27}$

$\frac{4}{29} \bigcirc \frac{3}{9}$

[A] < [B] > [C] =

Name Date Period

Workbook Activity
Chapter 1, Lesson 5
8

Multiplication by Powers of Ten

EXAMPLES

When you multiply a number by 10, write the number. Then write a zero at the end. $235 \times 10 = 2{,}350$

When you multiply a number by 100, write the number. Then write two zeros at the end. $235 \times 100 = 23{,}500$

When you multiply a number by 1,000, write the number. Then write three zeros at the end. $235 \times 1{,}000 = 235{,}000$

Directions Multiply by these powers of ten.

1. $325 \times 10 =$ _____

2. $421 \times 100 =$ _____

3. $4{,}631 \times 10 =$ _____

4. $6{,}023 \times 100 =$ _____

5. $702 \times 100 =$ _____

6. $3{,}011 \times 1{,}000 =$ _____

21. $412 \times 1{,}000 =$ _____

22. $906 \times 1{,}000 =$ _____

23. $10{,}802 \times 100 =$ _____

24. $104 \times 100 =$ _____

25. $56 \times 10 =$ _____

26. $13 \times 100 =$ _____

Name Date Period

Workbook Activity
Chapter 1, Lesson 5
9

Multiplication of Whole Numbers

EXAMPLE Write the problem in vertical form. Multiply.

$52 \times 42 =$ 2,184

$$\begin{array}{r} 52 \\ \times\ 42 \\ \hline 104 \\ +\ 208 \\ \hline 2{,}184 \end{array}$$

Directions Rewrite these multiplication problems in the vertical form and multiply.

1. $24 \times 22 =$ _____

2. $61 \times 18 =$ _____

3. $201 \times 43 =$ _____

4. $85 \times 72 =$ _____

5. $712 \times 66 =$ _____

15. $920 \times 724 =$ _____

16. $856 \times 326 =$ _____

17. $3{,}021 \times 307 =$ _____

18. $638 \times 800 =$ _____

19. $4{,}160 \times 110 =$ _____

Name Date Period

Workbook Activity
Chapter 1, Lesson 6
10

Division of Whole Numbers

EXAMPLE Write the problem in standard form. Divide.

$168 \div 6 =$ 28

$$\begin{array}{r} 28 \\ 6\overline{)168} \\ -\ 12 \\ \hline 48 \\ -\ 48 \\ \hline 0 \end{array}$$

Directions Rewrite the following division problems in the standard form and divide.

1. $128 \div 4 =$ _____

2. $477 \div 9 =$ _____

3. $266 \div 7 =$ _____

4. $480 \div 5 =$ _____

15. $3{,}036 \div 6 =$ _____

16. $8{,}844 \div 11 =$ _____

17. $6{,}030 \div 3 =$ _____

18. $5{,}400 \div 6 =$ _____

Name Date Period

Workbook Activity
Chapter 1, Lesson 6
12

Dividing Numbers by Powers of Ten

EXAMPLE Write the problem in standard form and divide.

$480 \div 10 =$

Or move the decimal point one place to the left for each zero in the divisor.

$48.0 \div 10 =$

$$\begin{array}{r} 48 \\ 10\overline{)480} \\ -\ 40 \\ \hline 80 \\ -\ 80 \\ \hline 0 \end{array}$$

Directions Divide by these powers of ten.

1. $840 \div 10 =$ _____

2. $65{,}000 \div 100 =$ _____

3. $2{,}000 \div 100 =$ _____

4. $4{,}630 \div 10 =$ _____

5. $9{,}600 \div 100 =$ _____

6. $140{,}000 \div 1{,}000 =$ _____

7. $191{,}000 \div 10 =$ _____

8. $920{,}000 \div 100 =$ _____

21. $451{,}000 \div 1{,}000 =$ _____

22. $390{,}000 \div 10 =$ _____

23. $680{,}000 \div 100 =$ _____

24. $4{,}060{,}300 \div 10 =$ _____

25. $19{,}600 \div 10 =$ _____

26. $9{,}603{,}000 \div 1{,}000 =$ _____

27. $5{,}000{,}000 \div 100 =$ _____

28. $7{,}000{,}000 \div 10 =$ _____

C

100 Multiplication Facts

Name _____

Time _____

Multiply.

9 × 9	3 × 5	8 × 5	2 × 6	4 × 7	0 × 3	7 × 2	1 × 5	7 × 8	4 × 0
3 × 4	5 × 9	0 × 2	7 × 3	4 × 1	2 × 7	6 × 3	5 × 4	1 × 0	9 × 2
1 × 1	9 × 0	2 × 8	6 × 4	0 × 7	8 × 1	3 × 3	4 × 8	9 × 3	2 × 0
4 × 9	7 × 0	1 × 2	8 × 4	6 × 5	2 × 9	9 × 4	0 × 1	7 × 4	5 × 8
0 × 8	4 × 2	9 × 8	3 × 6	5 × 5	1 × 6	5 × 0	6 × 6	2 × 1	7 × 9
9 × 1	2 × 2	5 × 1	4 × 3	0 × 0	8 × 9	3 × 7	9 × 7	1 × 7	6 × 0
5 × 6	7 × 5	3 × 0	8 × 8	1 × 3	8 × 3	5 × 2	0 × 4	9 × 5	6 × 7
2 × 3	8 × 6	0 × 5	6 × 1	3 × 8	7 × 6	1 × 8	9 × 6	4 × 4	5 × 3
7 × 7	1 × 4	6 × 2	4 × 5	2 × 4	8 × 0	3 × 1	6 × 8	0 × 9	8 × 7
3 × 2	4 × 6	1 × 9	5 × 7	8 × 2	0 × 6	7 × 1	2 × 5	6 × 9	3 × 9

FACTS PRACTICE TEST

D

90 Division Facts

Name _____

Time _____

Divide.

7)21	2)10	6)42	1)3	4)24	3)6	9)54	6)18	4)0	5)30
4)32	8)56	1)0	6)12	3)18	9)72	5)15	2)8	7)42	6)36
6)0	5)10	9)9	2)6	7)63	4)16	8)48	1)2	5)35	3)21
2)18	6)6	3)15	8)40	2)0	5)20	9)27	1)8	4)4	7)35
4)20	9)63	1)4	7)14	3)3	8)24	5)0	6)24	8)8	2)16
5)5	8)64	3)0	4)28	7)49	2)4	9)81	3)12	6)30	1)5
8)32	1)1	9)36	3)27	2)14	5)25	6)48	8)0	7)28	4)36
2)12	5)45	1)7	4)8	7)0	8)16	3)24	9)45	1)9	6)54
7)56	9)0	8)72	2)2	5)40	3)9	9)18	1)6	4)12	7)7

FACTS PRACTICE TEST

G

48 Uneven Divisions

Name _____

Time _____

Divide. Write each answer with a remainder.

$4\overline{)15}$	$9\overline{)14}$	$7\overline{)45}$	$3\overline{)16}$	$6\overline{)38}$	$2\overline{)7}$
$8\overline{)50}$	$5\overline{)28}$	$4\overline{)21}$	$6\overline{)15}$	$7\overline{)11}$	$8\overline{)20}$
$3\overline{)20}$	$7\overline{)32}$	$8\overline{)30}$	$2\overline{)15}$	$5\overline{)43}$	$6\overline{)35}$
$9\overline{)62}$	$4\overline{)10}$	$6\overline{)27}$	$9\overline{)21}$	$4\overline{)19}$	$3\overline{)25}$
$6\overline{)56}$	$2\overline{)17}$	$3\overline{)10}$	$5\overline{)8}$	$9\overline{)40}$	$7\overline{)30}$
$2\overline{)5}$	$8\overline{)25}$	$5\overline{)17}$	$7\overline{)17}$	$3\overline{)8}$	$4\overline{)9}$
$7\overline{)20}$	$6\overline{)10}$	$2\overline{)9}$	$4\overline{)30}$	$8\overline{)15}$	$9\overline{)29}$
$5\overline{)32}$	$3\overline{)14}$	$9\overline{)50}$	$8\overline{)65}$	$2\overline{)11}$	$5\overline{)19}$