

7th grade

Name _____

Fractions #1

Date _____ Hour _____

Find each sum.

1) $2\frac{1}{2} + 4\frac{2}{5}$

2) $\frac{1}{2} + \frac{5}{3}$

3) $\frac{1}{7} + \frac{1}{2}$

4) $4\frac{1}{3} + \frac{1}{2}$

Find each difference.

5) $3\frac{1}{2} - 2\frac{5}{6}$

6) $1\frac{2}{3} - \frac{6}{5}$

7) $\frac{7}{4} - \frac{4}{3}$

8) $\frac{1}{3} - \frac{1}{4}$

Find each product.

9) $8\frac{5}{6} \cdot \frac{1}{6}$

10) $2 \cdot \frac{11}{7}$

Find each quotient.

11) $\frac{7}{8} \div 8$

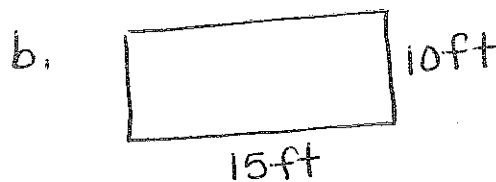
12) $3\frac{3}{5} \div \frac{8}{5}$

7th Grade Geometry Review

1) Area is measured in: yd , yd^2 , yd^3 ?
2) Volume is measured in: in , in^2 , in^3 ? } Circle the correct answer!

3) A rectangle has a length of 4.8 inches and a width of 2.9 inches. What is the area of the rectangle. Show your equation!

4) What is the area of the rectangle?



5) What is the surface area of a cube with:

a) edge length of 4 _____ b) edge length of 6 _____

$$SA = 6 \times (\text{length of edge})^2$$

6) A cube has all _____ edges.

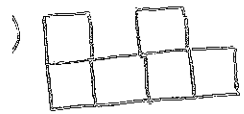
7) The formula for volume is _____

8) 1 foot = _____ inches 9) 1 yard = _____ feet

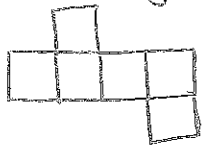
10) 1 yard = _____ inches 11) 15 feet = _____ yards

12) 13 feet = _____ inches 13) 4 feet = _____ inches

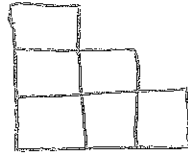
Which of the following are nets of a cube?



(B)



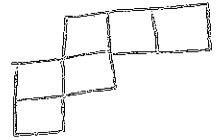
(C)



(D)



(E)



1 pound = _____ ounces?

10 pounds = _____ ounces?

96 ounces = _____ pounds?

A slice of bread weighs one ounce. A loaf of bread contains 32 slices. How much does the loaf weigh in pounds?

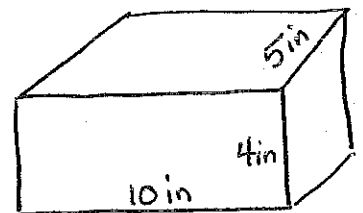
A piece of gold weighs one ounce. If a gold nugget contains 56 ounces, how much does the nugget weigh in pounds?

A square has _____ sides or edges!

A poster measures 5.6 square feet (ft^2). How many square inches does that poster measure? (1 square foot = 144 sq. inches)

A baseball field measures 8,100 square feet. How many square yards is this. (1 square yard = 9 feet)

3) Draw a net of this rectangular prism.



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Name _____

Fractions #2

Date _____ Hour _____

Find each sum.

1) $2\frac{3}{8} + \frac{1}{4}$

2) $\frac{3}{5} + 1\frac{1}{5}$

3) $\frac{3}{4} + \frac{1}{7}$

4) $\frac{8}{5} + \frac{2}{7}$

Find each difference.

5) $4\frac{5}{7} - \frac{1}{3}$

6) $3\frac{1}{5} - 1\frac{3}{7}$

7) $\frac{3}{2} - \frac{10}{7}$

8) $\frac{2}{5} - \frac{2}{7}$

Find each product.

9) $4\frac{1}{2} \cdot \frac{13}{10}$

10) $\frac{5}{3} \cdot \frac{4}{3}$

Find each quotient.

11) $4\frac{1}{6} \div \frac{1}{3}$

12) $\frac{3}{2} \div \frac{1}{3}$

Equations #1

Solve each equation.

1) $v + 4 = 18$

2) $n - 13 = -15$

3) $20 + r = 34$

4) $x - 1 = 1$

5) $17 = 16 + x$

6) $-7 = b + 8$

7) $-32 = a - 17$

8) $n - 4 = -7$

9) $m + 14 = 15$

10) $12 + n = 2$

11) $18 = \frac{n}{16}$

12) $-16 = \frac{m}{4}$

13) $\frac{x}{20} = 8$

14) $169 = 13v$

15) $-8x = 0$

16) $-12x = 48$

17) $\frac{r}{16} = 9$

18) $15 = \frac{n}{17}$

19) $8p = 0$

20) $\frac{k}{20} = 15$

21) $37 = 7 + 6n$

22) $1 = \frac{x}{3} + 4$

23) $-36 = -8x - 4$

24) $-59 = 1 + 3v$

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Name _____

Equations #2

Date _____ Hour _____

Solve each equation.

1) $-2 = k - 8$

2) $20 = x + 18$

3) $x - 20 = -26$

4) $14 = n + 5$

5) $a + 12 = 22$

6) $x - 8 = -28$

7) $r - 13 = -20$

8) $-10 = -16 + m$

9) $p - 3 = -9$

10) $-36 = x - 17$

11) $-90 = 18b$

12) $18 = \frac{x}{10}$

13) $12 = \frac{x}{5}$

14) $-18x = 252$

15) $-300 = -15x$

16) $-5 = \frac{x}{9}$

17) $-20v = 160$

18) $\frac{3}{7} = \frac{n}{7}$

19) $5b = 30$

20) $-3k = 27$

21) $4 + \frac{x}{15} = 5$

22) $34 = 6 - 4r$

23) $-7b - 9 = 33$

24) $-81 = -6k - 3$

Graphing on a Coordinate Plane #2

A	B	C	D
(-12,10)	(10,8)	(12,-13)	
(-11,12)	(12,3)	(10,-17)	
(-8,13)	(12,-1)	(7,-21)	
(-5,13)	(11,-4)	(4,-22)	
(-2,12)	(7,-5)	(1,-21)	
(1,12)	(8,-2)	(-2,-21)	
(3,13)	(8,0)	(-6,-22)	
(5,15)	(7,4)	(-8,-22)	
(7,16)	(5,6)	(-10,-20)	
Line Ends	(10,8)	(-12,-13)	
(1,12)	Line Ends	(-16,-6)	
(0,16)	(0,16)	(-19,1)	
(0,18)	(2,17)	(-20,6)	
(1,20)	(5,18)	(-19,10)	
(1,22)	(8,18)	(-17,13)	
(-1,21)	(12,16)	(-13,15)	
(-2,18)	(15,13)	(-7,16)	
(-2,14)	(17,9)	(-2,16)	
(-1,12)	(18,3)		
Line Ends	(18,0)		
(1,21)	(17,-5)		
(0,20)	(15,-9)		
(-1,21)			
Line Ends			