



A Tradition of Excellence

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PRINCIPAL

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Dear Sixth Grader,

Attached is your summer math packet containing several of the topics that we worked on during this school year. In order for you to come back in September prepared to begin seventh grade, We are asking that you work hard on completing this packet.

Please do not limit yourself to this work alone. Because numbers play an integral role in our everyday life, be aware of the many ways you experience math daily. Also, on the internet, there are a wide variety of good sites for middle school level math review. Take advantage of them.

We have truly enjoyed teaching you and watching you grow academically, spiritually and physically, and look forward to working with you in seventh grade.

Have a wonderful summer,
Mrs. Chadwick
Mrs. Forsyth

Name _____

Practice

Cumulative Review Chapters 1-5

Order each group of numbers from least to greatest.
[Lesson 2-3]

1. 3,333; 33,333; 333

2. 60,660; 60,606; 66,006

3. 7,000; 7,010; 7,009; 6,999

4. 5 billion; 4 million; 6 hundred

Simplify. [Lessons 3-6 and 3-11]

5. $8.37 + 21$

6. $5.43 - 1.9$

7. $6.98 + 7.47$

8. $12 - 5.63$

9. $24.893 \div 3.1$

10. $4.36 + 8.9$

11. $1.4535 \div 0.085$

12. $0.828 \div 3.6$

Find the missing measurement for each rectangle. [Lesson 4-4]

13. Area = 66 in^2

14. Area = _____

15. Area = 35 m^2

Base = _____

Base = 6 ft

Base = 5 m

Height = 6 in.

Height = 15 ft

Height = _____

16. Area = 48 km^2

17. Area = _____

18. Area = 9.25 mm^2

Base = 12 km

Base = 6.5 yd

Base = _____

Height = _____

Height = 4.1 yd

Height = 2.5 mm

Find the prime factorization. [Lesson 5-2]

19. 350 _____

20. 135 _____

21. 616 _____

22. 180 _____

Write as a fraction in lowest terms [Lesson 5-7]

23. 0.625 _____

24. 0.47 _____

25. 0.775 _____

26. 0.42 _____

Cumulative Review Chapters 1-7

Write the phrase as an expression. [Lesson 2-11]

1. y divided by 7 _____ 2. m times 5 _____
 3. 15 less than u _____ 4. one-third of k _____
 5. d increased by 12 _____ 6. c doubled _____
 7. half of g _____ 8. p cubed _____

Multiply. [Lesson 3-9]

9. 0.01×6.45 _____ 10. 895×0.001 _____ 11. 2.83×9.7 _____
 12. 0.38×0.08 _____ 13. 12.7×0.85 _____ 14. 2.3×18 _____
 15. 0.43×0.7 _____ 16. 8.41×0.03 _____ 17. 34.8×1.2 _____

Convert. [Lesson 4-2]

18. 85 g = _____ kg 19. 42 kg = _____ g 20. 3.82 mL = _____ L
 21. 73 cm = _____ m 22. 6.2 L = _____ mL 23. 9.4 m = _____ mm
 24. 183 m = _____ km 25. 31 mm = _____ m 26. 2.9 km = _____ cm

Simplify. [Lessons 7-2 to 7-5]

27. $\frac{1}{3} \div 4\frac{1}{2}$ _____ 28. $3 \div 1\frac{3}{4}$ _____ 29. $2 \div 10\frac{1}{2}$ _____ 30. $4\frac{1}{2} \div 15$ _____
 31. $2 \div 3\frac{3}{4}$ _____ 32. $2\frac{2}{5} \times 6$ _____ 33. $4\frac{3}{4} \div 1\frac{1}{5}$ _____ 34. $6\frac{1}{2} \times 7\frac{1}{2}$ _____

Solve. [Lesson 7-6]

35. $\frac{1}{9}q = \frac{1}{6}$ 36. $k \div \frac{1}{6} = \frac{7}{9}$ 37. $g \div 1\frac{3}{4} = 4$ 38. $p \div 2\frac{1}{2} = 2\frac{1}{4}$
 $q =$ _____ $k =$ _____ $g =$ _____ $p =$ _____
 39. $p \div \frac{1}{4} = \frac{7}{9}$ 40. $\frac{1}{4}n = 2\frac{2}{3}$ 41. $v \div \frac{1}{5} = 3$ 42. $f \div \frac{5}{9} = 2\frac{1}{2}$
 $p =$ _____ $n =$ _____ $v =$ _____ $f =$ _____

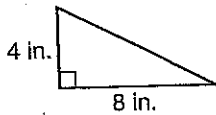
Name _____

Practice

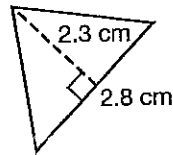
Cumulative Review Chapters 1-8

Find the area. [Lesson 4-6]

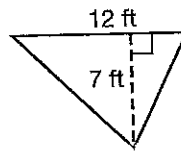
1. _____



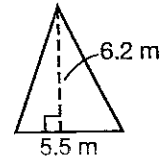
2. _____



3. _____



4. _____



Find the LCM of each pair. [Lesson 5-3]

5. 4, 10 _____

6. 13, 4 _____

7. 9, 6 _____

8. 8, 32 _____

9. 30, 70 _____

10. 50, 6 _____

11. 2, 15 _____

12. 42, 60 _____

13. 27, 16 _____

14. 9, 15 _____

15. 16, 30 _____

16. 36, 54 _____

Solve. [Lesson 6-3]

17. $c + \frac{3}{4} = \frac{7}{8}$

18. $x - \frac{3}{16} = \frac{1}{2}$

19. $p + \frac{2}{3} = \frac{11}{12}$

20. $k - \frac{1}{16} = \frac{1}{3}$

$c =$ _____

$x =$ _____

$p =$ _____

$k =$ _____

21. $u + \frac{1}{2} = \frac{4}{7}$

22. $t - \frac{2}{11} = \frac{2}{3}$

23. $v + \frac{3}{5} = \frac{5}{6}$

24. $h - \frac{1}{6} = \frac{1}{4}$

$u =$ _____

$t =$ _____

$v =$ _____

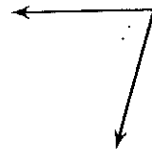
$h =$ _____

Measure each angle with a protractor. [Lesson 8-3]

25. _____



26. _____

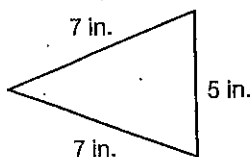


27. _____

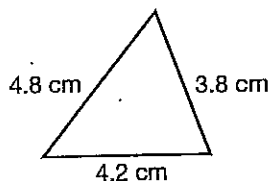


Classify each triangle as scalene, equilateral, or isosceles. [Lesson 8-5]

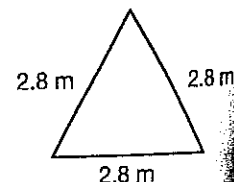
28. _____



29. _____



30. _____



Cumulative Review Chapters 1-9

Find the circumference C and the area A of each circle where r = radius and d = diameter. Use 3.14 for π . [Lessons 4-7, 4-8]

1. $r = 7$ cm, $C \approx$ _____, 2. $d = 10$ ft, $C \approx$ _____,

$A \approx$ _____ $A \approx$ _____

3. $r = 11$ in., $C \approx$ _____, 4. $r = 7.3$ m, $C \approx$ _____,

$A \approx$ _____ $A \approx$ _____

Subtract. Write the answer as a whole or mixed number in lowest terms. [Lesson 6-6]

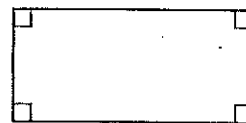
5. $9\frac{1}{4} - 6\frac{1}{8}$ _____ 6. $3\frac{1}{2} - 1\frac{1}{3}$ _____ 7. $4\frac{1}{5} - 3\frac{1}{4}$ _____

8. $7\frac{5}{8} - 5\frac{1}{2}$ _____ 9. $6\frac{1}{3} - 2\frac{3}{4}$ _____ 10. $7\frac{2}{3} - 4\frac{1}{6}$ _____

11. $4\frac{3}{5} - 4\frac{1}{10}$ _____ 12. $3\frac{1}{3} - \frac{1}{5}$ _____ 13. $8\frac{1}{4} - 5\frac{4}{5}$ _____

Classify each figure in as many ways as possible. [Lesson 8-7]

14. _____ 15. _____



Simplify. [Lessons 9-2, 9-3, 9-4]

16. $-7 \times (-4)$ _____ 17. $10 - 17$ _____ 18. $21 \div (-7)$ _____

19. $-12 + (-11)$ _____ 20. $3 \times (-8)$ _____ 21. $8 - (-9)$ _____

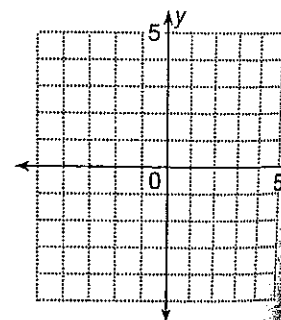
22. $-48 \div (-6)$ _____ 23. $-4 + 22$ _____ 24. -5×8 _____

Plot and label each point. [Lesson 9-5]

25. $W(-3, -2)$ 26. $H(1, -3)$ 27. $L(2, -5)$

28. $M(3, 2)$ 29. $B(-2, 4)$ 30. $D(-4, 0)$

31. $G(4, 3)$ 32. $Q(-1, 1)$ 33. $Z(4, -3)$



Name _____

Practice

Cumulative Review Chapters 1-11

Solve. [Lesson 6-3]

1. $x + \frac{3}{7} = \frac{3}{4}$

2. $k - \frac{2}{3} = \frac{1}{6}$

3. $m + \frac{11}{8} = \frac{9}{5}$

4. $z - \frac{7}{10} = \frac{2}{15}$

$x =$ _____

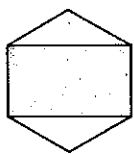
$k =$ _____

$m =$ _____

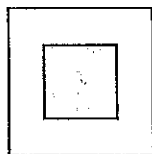
$z =$ _____

Estimate what percent of each figure is shaded. [Lesson 10-9]

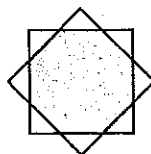
5. _____



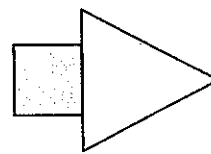
6. _____



7. _____



8. _____



Convert to a percent. [Lesson 10-10]

9. 0.16 _____

10. 0.03 _____

11. 0.816 _____

12. 0.56 _____

13. $\frac{7}{10}$ _____

14. $\frac{3}{25}$ _____

15. $\frac{63}{100}$ _____

16. $\frac{3}{8}$ _____

17. $\frac{17}{20}$ _____

18. $\frac{3}{40}$ _____

19. $\frac{2}{5}$ _____

20. $\frac{3}{4}$ _____

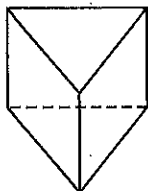
Classify each solid. If it is a polyhedron, tell how many vertices, edges, and faces it has. [Lesson 11-1]

21. _____

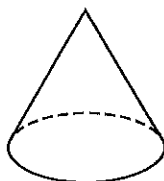
22. _____

23. _____

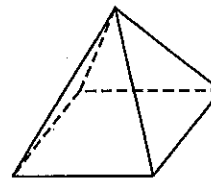
V: _____ E: _____ F: _____



V: _____ E: _____ F: _____

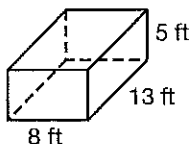


V: _____ E: _____ F: _____

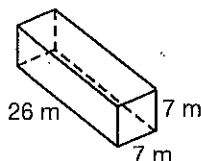


Find the volume of each solid. [Lesson 11-7]

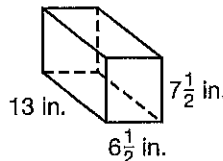
24. _____



25. _____



26. _____



27. _____

