

acadience[®]math

Concepts and Applications

Grade 4 | Benchmark Assessment

Student Worksheets

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Concepts and Applications / Grade 4

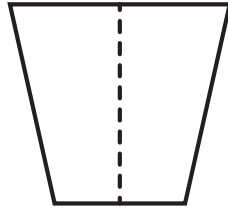
Name: _____ Student ID: _____

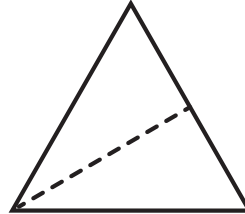
Teacher: _____ School: _____ School Year: _____

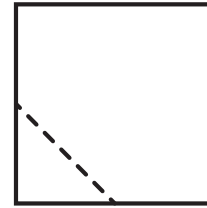
Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 1

Total: _____

1. Is the dotted line a line of symmetry for each shape? Write “yes” or “no” in the space provided below each shape.







2. Compare the number in Box 1 with the number in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
835		751
333		613
131		168

3. List three numbers that are multiples of 4:

4. Jake read 17 books over the summer that were nonfiction and 43 books that were fiction. His friend Ross read 38 books total. How many more books did Jake read than Ross? _____ books.

5. Compare the decimal in Box 1 with the decimal in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
0.47		0.25
0.39		0.68
0.89		0.91

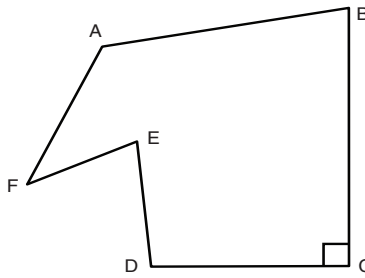
6. We rented a movie that was 2 hours and 15 minutes long. How many minutes total was the movie? _____ minutes.

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 1

7. Name one right angle: _____

Name one obtuse angle: _____

Name one acute angle: _____



8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
2461			
4672			

9. Olive is 8 years old. Karen is 32 years old. How many times older is Karen than Olive? _____ times older.

10. Compare the fraction in Box 1 with the fraction in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
$\frac{2}{10}$		$\frac{2}{5}$
$\frac{3}{9}$		$\frac{1}{3}$

11. Convert into minutes. 1 hour = 60 minutes:

Hours	Minutes
2	
7	
4	

12. Draw two **line segments** that are **parallel**:

13. Write the following in expanded form: **68,472**

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 1

14. Stan worked for 3 hours and 12 minutes. He then worked 23 minutes. What is the total number of minutes that Stan worked?
_____ minutes.

15. Write the fractions as a decimal:

$$\frac{9}{10} = \underline{\hspace{2cm}}$$

$$\frac{79}{100} = \underline{\hspace{2cm}}$$

16. Dan bought a hat for \$22.12. He gave the clerk \$25.00. How much change did he get back? \$ _____

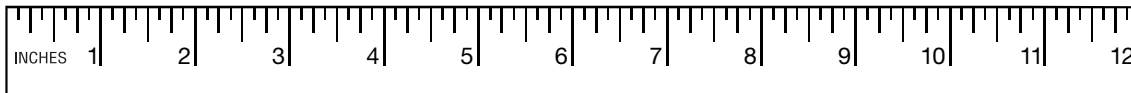
17. Prime or composite: **37, 90, 83, 88**

Write which are prime numbers: _____, _____.

Write which are composite numbers: _____, _____.

18. Ruth walked to school 4 times last week. She has to walk $\frac{1}{2}$ of a mile to get to school. How many miles did she walk last week?
_____ mile(s).

19. The pencil is $4\frac{1}{4}$ inches long and the pen is $6\frac{1}{2}$ inches long. Exactly how much longer is the pen than the pencil?
_____ inches.

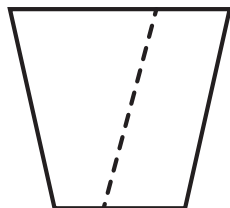


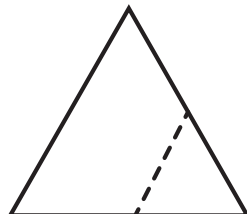
20. The width of Ann's garden was 7 feet. The area of her garden was 63 square feet. What was the length of her garden?
_____ feet.

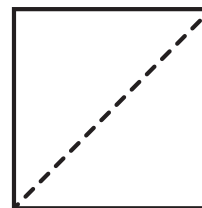
Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 2

Total: _____

1. Is the dotted line a line of symmetry for each shape? Write “yes” or “no” in the space provided below each shape.







2. Compare the number in Box 1 with the number in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
529		705
471		846
461		325

3. List three numbers that are multiples of 3:

4. In the basketball game, José scored 26 points in the first half and 46 in the second half. His friend, Marie, scored 39 points total. How many more points did José score than Marie? _____ points.

5. Compare the decimal in Box 1 with the decimal in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
0.29		0.25
0.18		0.64
0.58		0.72

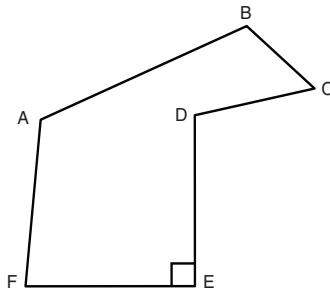
6. Cole did homework for 3 hours and 12 minutes. How many minutes total did Cole do homework? _____ minutes.

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 2

7. Name one right angle: _____

Name one obtuse angle: _____

Name one acute angle: _____



8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
8255			
6435			

9. Jim is 9 years old. Tim is 27 years old. How many times older is Tim compared to Jim? _____ times older.

10. Compare the fraction in Box 1 with the fraction in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
$\frac{5}{8}$		$\frac{3}{4}$
$\frac{9}{12}$		$\frac{5}{6}$

11. Convert into ounces. 1 pound = 16 ounces:

Pounds	Ounces
3	
4	
5	

12. Draw two **line segments** that are **perpendicular**:

13. Write the following in expanded form: **43,797**

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 2

14. Paul spent 2 hours and 43 minutes in the car. He then went on a trip in the car that took 35 minutes. What is the total number of minutes that Paul was in the car? _____ minutes.

15. Write the fractions as a decimal:

$$\frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{35}{100} = \underline{\hspace{2cm}}$$

16. Rose bought a scarf for \$17.84. She gave the clerk a \$20.00 bill. How much change did she get back? \$ _____

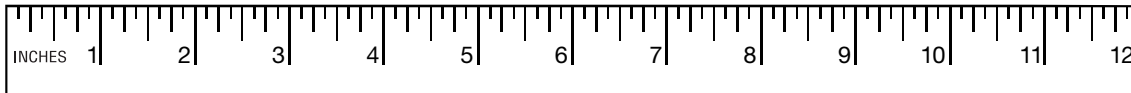
17. Prime or composite: **24, 25, 67, 41**

Write which are prime numbers: _____, _____.

Write which are composite numbers: _____, _____.

18. We spent 6 hours making food. We spent $\frac{2}{3}$ of that time making a pumpkin pie. How long did it take us to make the pumpkin pie? _____ hour(s).

19. The pencil is $3\frac{1}{2}$ inches long and the pen is $5\frac{3}{4}$ inches long. Exactly how much longer is the pen than the pencil? _____ inches.

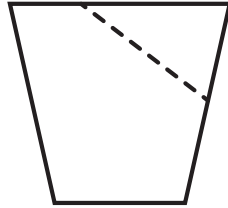


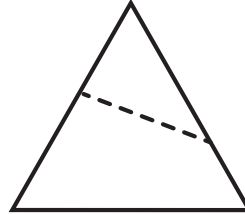
20. Trish wants to put carpet on the floor of her dog's house. The area of the doghouse is 42 square feet. The width of the doghouse is 6 feet. How long will the piece of carpet need to be? _____ feet.

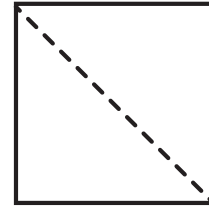
Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 3

Total: _____

1. Is the dotted line a line of symmetry for each shape? Write “yes” or “no” in the space provided below each shape.







2. Compare the number in Box 1 with the number in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
732		807
154		806
438		330

3. List three numbers that are multiples of 8:

4. Bob scored 22 points on the first quiz and 18 points on the second quiz. Stan scored 17 points total. How many more points did Bob have than Stan? _____ points.

5. Compare the decimal in Box 1 with the decimal in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
0.17		0.37
0.24		0.54
0.86		0.75

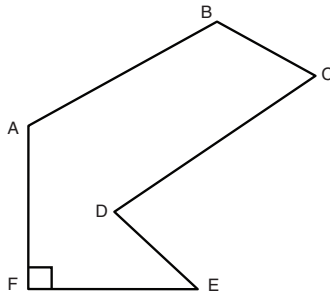
6. Emily read a book for 2 hours and 3 minutes. How many minutes total did Emily read? _____ minutes.

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 3

7. Name one right angle: _____

Name one obtuse angle: _____

Name one acute angle: _____



8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
8179			
7287			

9. Tyler is 3 years old. Grace is 24 years old. How many times older is Grace than Tyler? _____ times older.

10. Compare the fraction in Box 1 with the fraction in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
$\frac{1}{2}$		$\frac{3}{4}$
$\frac{4}{10}$		$\frac{3}{5}$

11. Convert into grams. 1 kilogram = 1,000 grams:

Kilogram	Gram
8	
3	
6	

12. Draw two **rays** that are **parallel**:

13. Write the following in expanded form: **29,566**

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 3

14. Will walked for 2 hours and 30 minutes. He later walked for 28 minutes. What is the total number of minutes that Will walked?
_____ minutes.

15. Write the fractions as a decimal:

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{61}{100} = \underline{\hspace{2cm}}$$

16. Drew bought a game for \$12.15. He gave the clerk \$20.00. How much change did he get back? \$ _____

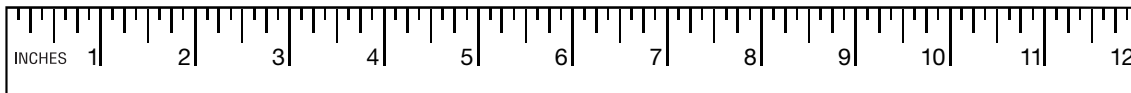
17. Prime or composite: **37, 47, 48, 60**

Write which are prime numbers: _____, _____.

Write which are composite numbers: _____, _____.

18. Tony spent 8 hours mowing the lawn. $\frac{1}{4}$ of that time was spent mowing the front lawn. How long did it take Tony to mow the front lawn? _____ hour(s).

19. The pencil is $2\frac{1}{2}$ inches long and the pen is $5\frac{3}{4}$ inches long. Exactly how much longer is the pen than the pencil?
_____ inches.



20. Chris has a piece of paper. The area of the paper is 40 square inches. The width of the paper is 5 inches. How long is the piece of paper? _____ inches.