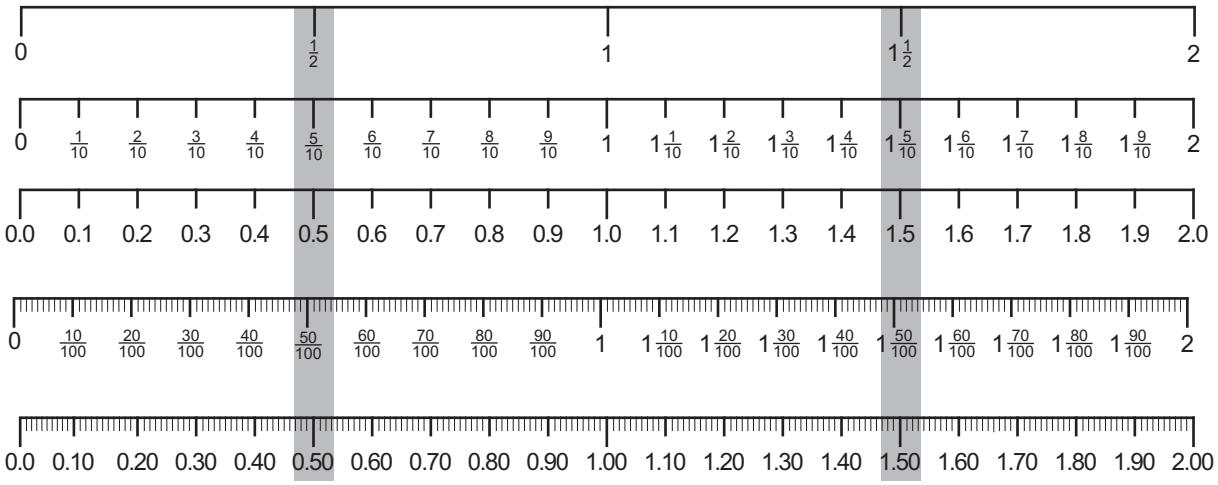
Speed Drill 9

9 One-Half, Five-Tenths, and Fifty Hundredths

$\frac{1}{2}$, 0.5, and 0.50 all name the same amount.



Write these fractions and mixed numbers as decimals.

1. a. $2\frac{1}{2}$ _____ **b.** $\frac{5}{10}$ _____ **c.** $\frac{50}{100}$ _____ **d.** $4\frac{50}{100}$ _____

Write these decimals as fractions.

2. a. 3.5 _____ **b.** 4.50 _____ **c.** 1.50 _____ **d.** 2.5 _____

We Remember

Find the LCD. Add or subtract.

3. a. $7\frac{1}{2} + 6\frac{2}{3}$ _____ **b.** $8\frac{13}{15} - 4\frac{4}{5}$ _____ **c.** $3\frac{7}{9} - 1\frac{2}{3}$ _____ **d.** $6\frac{3}{7} + 4\frac{1}{2}$ _____

$2\frac{8}{14}$

Write whether the following item weighs *more* or *less* than a pound.

4. A bag of groceries _____

?. . . Mental Math

5. a. 64 × 100 = _____ **b.** 0.75 × 10 = _____

6. a. 47,900 ÷ 1,000 = _____ **b.** 6.89 ÷ 100 = _____

7. a. 100 – 42 = _____ **b.** 100 – 64 = _____ **c.** 60 × 40 = _____

8. $\sqrt{36}$ ×20 ÷10 +8 -4 ÷8 =

Round to the nearest hundred.

9. a. 23,323 _____ **b.** 251 _____ **c.** 2,495 _____

Write the squares and square roots.

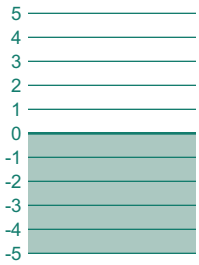
10. a. $\sqrt{196}$ = _____ **b.** $\sqrt{225}$ = _____ **c.** $\sqrt{144}$ = _____ **d.** $\sqrt{169}$ = _____

11. a. 13^2 = _____ **b.** 15^2 = _____ **c.** 14^2 = _____ **d.** 7^2 = _____

Combine integers.

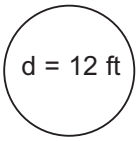
12. a. 2 + (-5) = _____ **b.** -9 + 9 = _____ **c.** -2 + 0 = _____

13. a. -8 + (-9) = _____ **b.** -8 + 9 = _____ **c.** -4 + 2 = _____



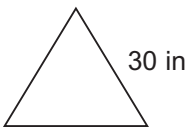
Write the formula and find the circumference.

14.



Find the perimeter.

15. _____



+ - ÷ × *Skill Builders*

16. a. 7) $69.44 **b.** 76) 674 **c.** 625 × 348 = ○○ □ → □

17. a. 90) 4,860 **b.** $6\frac{2}{5} - 4\frac{3}{5}$ **c.** $7\frac{3}{8} - 4\frac{7}{8}$

Poles view surprise visits as natural and are happy to host friends on a moment's notice.

18. The Sunday morning worship service at John and Cynthia's house begins at 9:30 a.m. and lasts about 1 hour and 45 minutes. At what time does the service usually end?

Answer: _____

☆ **19.** The little mission church is slowly growing. Some Polish citizens now attend the meetings regularly. One-third of the 18 regular attendees are children. There are twice as many girls as there are boys. How many girls are in the group?

Answer: _____

Write <, >, or = .

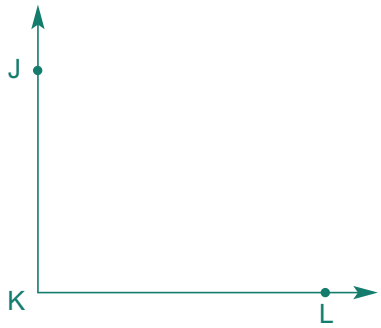
20. a. 1.010 _____ 1.001 **b.** 0.85 _____ 0.58 **c.** 2.70 _____ 2.7

Measure the angle with a protractor. Fill in the blanks.

21. Measurement _____

22. Name of angle _____

23. Name of vertex _____



Simplify these expressions.

24. **a.** 10 × (3 + 7) – 6 **b.** 24 + 6 ÷ 6 **c.** 6 × (18 ÷ 6) + 8

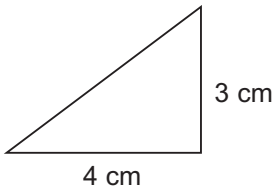
Copy and solve.

25. **a.** 79.8 + 34.5 + 98.1

b. 4.5 ÷ 5

Write the formula and find the area.

26.



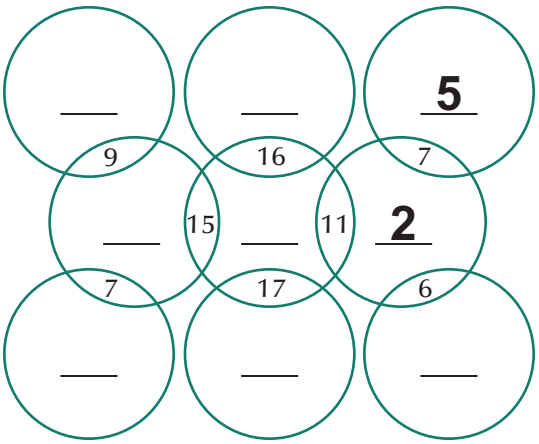
Quiz 2

◯ **Tell your teacher when you are ready for Quiz 2.**

Fascinating Discoveries

Circle Number Puzzle

Give each circle below one of the digits from 1 through 9. Use each digit only once. Where two circles overlap, their sum is written in the overlap. Can you place the nine digits in their proper circles? (Two of the digits have already been placed.)



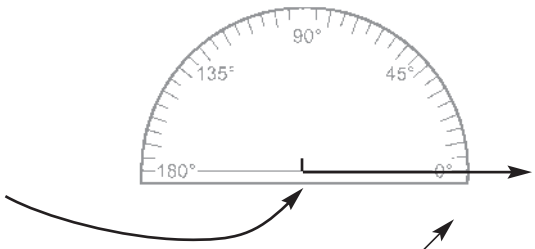
11

Drawing Angles

Math 4

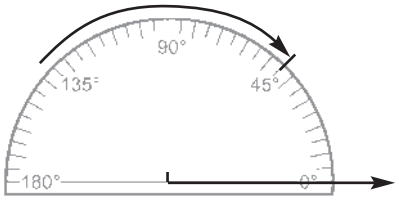
You can use your protractor to draw angles. Here's how to draw a 45° angle.

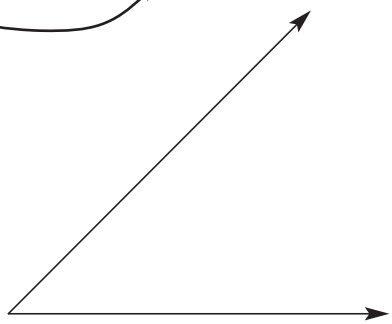
Use your ruler to draw a ray.



Lay your protractor's zero line over the ray. Be sure the beginning of the ray is at the exact middle of the zero line. This will be your vertex.

Make a little mark on your paper at the 45° mark.





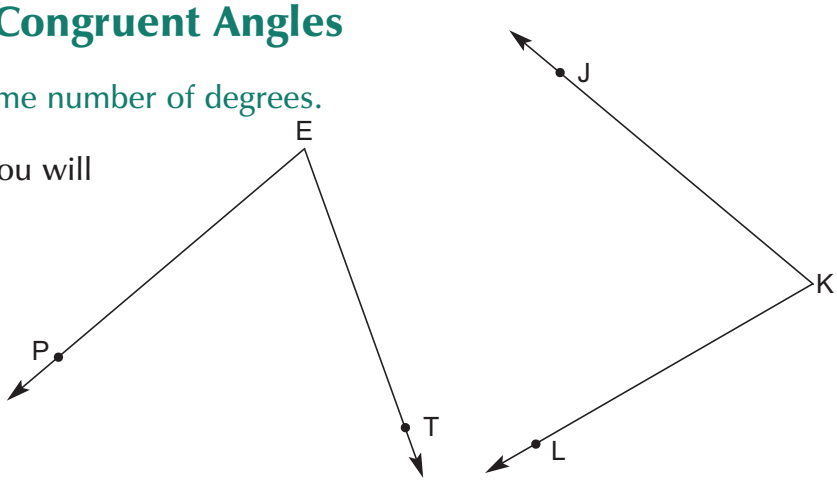
Remove the protractor. Use your ruler to draw the second ray.

Congruent Angles

Math 4

Congruent angles have the same number of degrees.

If you measure ∠PET and ∠JKL you will find that they are both 70° angles. They are congruent angles.



Polish people eat a lot of potatoes, cabbage, and pork. Some favorite dishes are *bigos, pierogies,* and *barszcz. Bigos* is a sauerkraut and fresh cabbage dish cooked with different kinds of meat or mushrooms and served as a main dish. *Pierogies* are meat-filled dumplings cooked in boiling water. *Barszcz* is red beet soup that may be served at the beginning of the main meal of the day.

Follow the directions. Answer the question.

1. Draw a 35° angle. Label it ∠TOP.
2. Draw a 90° angle. Label it ∠JOY.
3. Draw a 135° angle. Label it ∠ELK.
4. Are any of these angles congruent?

_____

We Remember

Write these fractions and mixed numbers as decimals.

5. a. $3\frac{1}{2}$ _____ **b.** $\frac{5}{10}$ _____ **c.** $\frac{50}{100}$ _____ **d.** $3\frac{50}{100}$ _____

Write these decimals using the fraction $\frac{1}{2}$.

6. a. 6.5 _____ **b.** 5.50 _____ **c.** 1.50 _____ **d.** 7.5 _____

Round to the nearest whole number to estimate.

7. a. estimate 37.2 – 26.8

_____ – _____ = _____

b. estimate 29.6 + 15.32 + 1.09

_____ + _____ + _____ = _____

8. estimate 20.3 – 6.9

_____ – _____ = _____

Continue the time patterns.

9. 1:10 1:30 1:50 _____ _____ _____

10. 9:00 11:00 1:00 _____ _____ _____

Round to the nearest ten.

11. a. 965 _____ **b.** 992 _____ **c.** 499 _____

+ - ÷ x *Skill Builders*

12. a. 9) $106.38

b. $7\frac{1}{2} - 3\frac{3}{8}$

c. $3\frac{3}{5} + 6\frac{2}{3}$

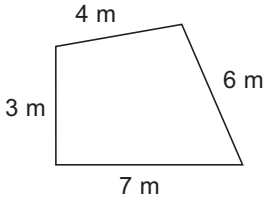
d.
```
  36.02
  12.32
   6.96
+  1.30
```

Round to the nearest dollar.

13. a. $11.81 _____ **b.** $106.38 _____ **c.** $6.96 _____

Find the perimeter.

14. _____



Write the fractions.

15. a. three-fourths _____ **b.** seven-tenths _____ **c.** one-half _____

16. Pawel's school book bag is heavy. His books weigh 1.05 kg, 0.90 kg, 0.65 kg, 1.25 kg, and 1.40 kg. What is the average weight of Pawel's books?

Answer: _____

17. The book bag itself weighs 0.60 kg. What is the total weight Pawel carries on his back when his bookbag is loaded with all five books?

Answer: _____

Lesson 11

Write the digits that hold each place.

604,237,259,186,024.961

18. **a.** thousands _____ **b.** ten trillions _____ **c.** ten thousands _____

19. **a.** hundredths _____ **b.** hundred thousands _____ **c.** tenths _____

20. **a.** ones _____ **b.** tens _____ **c.** ten millions _____

Write these numbers.

21. Five trillion, six hundred seventy-two billion, four hundred million

_____

22. Six hundred eighty-five billion, fourteen thousand, nine hundred thirteen

_____

Complete this function chart.

23.

feet	1	5		7		2	8
inches	12		144		72		

Copy and solve.

24. 63.42 + 17.98 + 6.49

Follow the directions.

25. Draw a 65° angle. Label it ∠QRS.

26. Draw an angle that is congruent to ∠QRS. Label it ∠PET.

27. What kind of angle is ∠PET? _____