1

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Pretest – Integers and Expressions

◯ **Ask your teacher to initial the circle before you begin this pretest.**

△ **Read the numbers to your teacher.** (1 point each.) [3]

1. -4   -23   -30

Write the negative numbers. (1 point each.) [2]

2. negative twenty-two _____

3. negative six _____

Write < or > . (1 point each.) [4]

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

4. a. -3 ☐ 2   **b.** 5 ☐ -1   **c.** -6 ☐ -10   **d.** -4 ☐ 4

Simplify these expressions. Work from left to right. (1 point each.) [3]

5. a. 4 + 3 − 2   **b.** 3 × 4 − 4   **c.** 10 ÷ 5 × 4

◯ **Ask your teacher to look over this pretest and mark one of the boxes on page 5.**

I can have 12 answers correct.
I must have 11 answers correct to pass.
I have _____ correct.

Fascinating Discoveries

Math in the Bible

Look up the following Bible references. Read each passage and answer the questions. Then do the math necessary to find the answers.

1. Genesis 9:28-29

How long did Noah live after the flood? _____

How old was Noah when he died? _____

How old was Noah at the time of the Flood?

_____

My Work Space

2. Genesis 42:3-4; Genesis 45:22

How many brothers did Joseph have? _____

How many sets of clothing did Joseph give to his brothers in all? _____

3. How many books are in the New Testament? _____

The Apostle Paul wrote all but 14 books of the New Testament. How many New Testament books did the Apostle Paul write? _____

My Work Space

4. Joshua 10:13

For how long did the sun not go down?

_____

About how many hours is that? _____

5. Exodus 16:22

a. How much manna were the children of Israel to gather on the sixth day?

_____

△ **b.** How much would you have had to gather for your family?

_____

2

☐ **I passed the pretest in Lesson 1.**
Now I will do the pretest on pages 7, 8.
I may also do *Extra Activity* (1, 2, 3, 4, 5, 6, 7, 8, 9).

☐ **I did not pass the pretest in Lesson 1.**
I will do all of Lesson 2.

Practice Set – Integers and Expressions
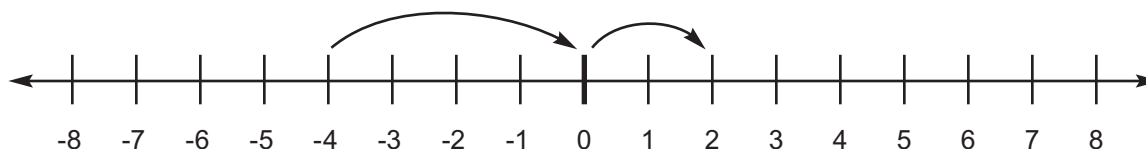

Introduced in Math 406, Lesson 9

When you count backward, you can count less than zero. Numbers less than zero are written with a minus sign. They are called negative numbers. -7 is "negative 7."

△ **Read these to your teacher.**

1. -9   -68   -29   -46   -52

Introduced in Math 406, Lesson 9

Look at the number line. From -4 to 2 is 6 spaces.

Answer these questions using the number line. If the number line is not long enough, imagine where the number would be.

2. How many spaces is it from -6 to 3? _____

3. How many spaces is it from -5 to -1? _____

4. How many spaces is it from -9 to -3? _____

5. How many spaces is it from 3 to 8? _____

Lesson 2

Write these numbers.

6. **a.** negative thirty-two _____
   b. negative forty-five _____

7. **a.** negative twenty-nine _____
   b. negative sixty _____

8. **a.** negative twenty-one _____
   b. negative ninety-three _____

Introduced in Math 407, Lesson 12

When comparing two numbers on a number line, the number to the left is always smaller than the number on the right.

Write < or > .

9. **a.** -4 ⬚ -1
   b. 1 ⬚ -3
   c. -10 ⬚ -3
   d. -14 ⬚ 14

10. **a.** -10 ⬚ 8
    b. -6 ⬚ -2
    c. 12 ⬚ 45
    d. 3 ⬚ -3

Introduced in Math 407, Lesson 13

An expression is one way to show a number. Always work from left to right to simplify an expression.

Simplify →	$7 + 5 - 3$
Simplify again →	$12 - 3$
Simplified →	9

Simplify these expressions.

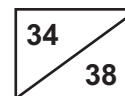11. **a.** $4 + 6 + 4 + 9$
    b. $8 - 3 + 4$
    c. $4 \times 3 \div 2 + 4$

12. **a.** $30 \div 6 \times 3 - 2$
    b. $6 + 4 - 8 + 3$
    c. $3 + 7 + 8 - 5$

Pretest – Measures

34
38

◯ **Ask your teacher to initial the circle before you begin this pretest.**

Measure each line to the fourth-inch. (1 point each.) [3]

1. _____ in _____

2. _____ in _____

3. _____ in _____

Write the numbers. (1 point each.) [35]

Capacity and Weight

4. 1 L = _____ mL

5. 1 tbsp = _____ tsp

6. 1 ton = _____ lb

7. 1 g = _____ mg

8. 1 metric ton = _____ kg

9. 1 lb = _____ oz

10. 1 kg = _____ g

Linear Measure

11. 1 mi = _____ ft

12. 1 cm = _____ mm

13. 1 km = _____ m

14. 1 m = _____ mm

Angles

15. A right angle has _____°.

Calendar and Clock

16. January has _____ days.

17. February has _____ days.

18. December has _____ days.

19. May has _____ days.

20. July has _____ days.

21. September has _____ days.

22. 1 leap yr = _____ days

23. 1 yr = _____ wk

24. 1 min = _____ sec

25. October has _____ days.

26. August has _____ days.

27. March has _____ days.

28. April has _____ days.

29. June has _____ days.

30. November has _____ days.

31. 1 yr = _____ days

32. February has _____ days in a leap year.

Temperature

33. Room temperature is _____°F.

34. Water boils at _____°F.

35. Body temperature is _____°F.

36. Body temperature is _____°C.

37. Room temperature is _____°C.

38. Water boils at _____°C.

○ **Ask your teacher to look over this pretest and mark one of the boxes below.**

> I can have 38 answers correct.
> I must have 34 answers correct to pass.
> I have _____ correct.

3 Mastery Drill 3

□ **I passed the pretest in Lesson 2.**
Now I will do the pretest on pages 10, 11.
I may also do *Extra Activity* (1, 2, 3, 4, 5, 6, 7, 8, 9).
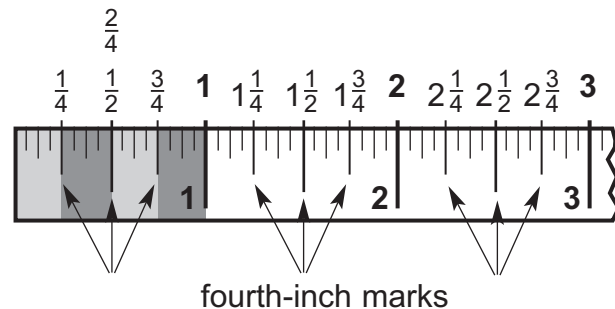
□ **I did not pass the pretest in Lesson 2.**
I will do all of Lesson 3.

Practice Set – Measures

Introduced in Math 403, Lesson 15

To measure to the fourth-inch, look at the marks that divide the inch into four parts.

$\frac{2}{4}$

$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **1** $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ **2** $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ **3**

1   2   3

fourth-inch marks

Measure the lines to the fourth-inch.

1. _____ in _____

2. _____ in _____

3. _____ in _____

4. _____ in _____

You may refer to your reference chart.

Write the numbers. Memorize the facts.

Linear Measure

5. 1 mi = _____ ft

6. 1 m = _____ mm

7. 1 km = _____ m

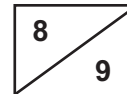8. 1 cm = _____ mm

Capacity and Weight

9. 1 lb = _____ oz

10. 1 tbsp = _____ tsp

11. 1 metric ton = _____ kg

12. 1 g = _____ mg

13. 1 ton = _____ lb

14. 1 L = _____ mL

15. 1 kg = _____ g

Temperature

16. Water boils at _____°F.

17. Body temperature is _____°F.

18. Room temperature is _____°F.

19. Water boils at _____°C.

20. Room temperature is _____°C.

21. Body temperature is _____°C.

Calendar and Clock

22. June has _____ days.

23. February has _____ days.

24. December has _____ days.

25. May has _____ days.

26. October has _____ days.

27. September has _____ days.

28. 1 yr = _____ days

29. 1 min = _____ sec

30. 1 yr = _____ wk

31. July has _____ days.

32. August has _____ days.

33. March has _____ days.

34. April has _____ days.

35. January has _____ days.

36. November has _____ days.

37. 1 leap yr = _____ days

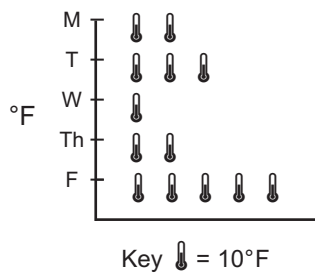38. February has _____ days in a leap year.

9

Pretest – Data

8 / 9

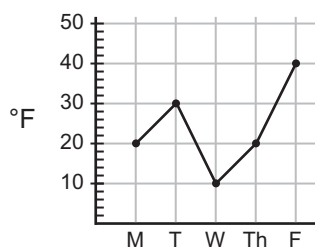Ask your teacher to initial the circle before you begin this pretest.

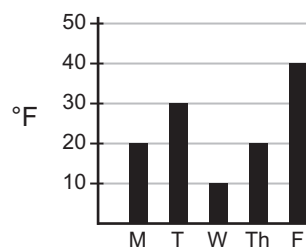**Write** *pictograph, line graph, bar graph,* **or** *chart* **to name each one.** (1 point each.) [4]

°F

M
T
W
Th
F

Key = 10°F

Day	°F
M	20
T	30
W	10
Th	20
F	40

1. a. _____

b. _____

°F

50
40
30
20
10

M T W Th F

°F

50
40
30
20
10

M T W Th F

2. a. _____

b. _____