

Tests and Worksheets

SAXON Math™

H O M E S C H O O L

5/4

Hake
Saxon

TEST

1

Also take Facts Practice Test A
(100 Addition Facts).

Name _____

- The digit 7 is in what place in each number?
(4)
(a) 271 (b) 793 (c) 407
- Use three digits to write a number equal to 3 hundreds, 4 tens, and 8 ones.
(4)
- Write the next three numbers in this counting sequence:
(3)
28, 35, 42, _____, _____, _____, ...

- Eight cats have how many eyes? Count by twos.
(3)
- How many cents are in 4 dimes? Count by tens.
(3)



- What is the last digit in the number 123?
(3)
- How much money is shown by this diagram?
(4)



- Draw a diagram to show \$341 using \$100 bills, \$10 bills, and \$1 bills.
(4)

Find the missing number in each counting sequence:

- 40, 36, _____, 28, ...
(3)
- 5, 10, 15, _____, ...
(3)
- 27, _____, 21, 18, ...
(3)
- How many digits are in the number 41,973,256?
(3)

Find each sum or missing addend:

$$\begin{array}{r} 13. \quad 3 \\ (1) \quad 7 \\ \quad 6 \\ + 2 \\ \hline \end{array}$$

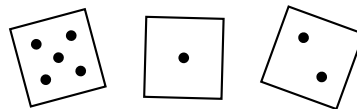
$$\begin{array}{r} 14. \quad 9 \\ (1) \quad 4 \\ \quad 1 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 3 \\ (2) \quad 8 \\ \quad + N \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16. \quad N \\ (2) \quad 5 \\ \quad + 3 \\ \hline 17 \end{array}$$

- If the pattern is continued, what will be the next circled number?
(3)
1, 2, (3), 4, 5, (6), 7, 8, (9), 10, 11, ...

- Write a number sentence for this picture:
(1)



- Danielle is fourth in line. Ian is ninth in line. How many people are between them?
(5)
- There were 8 tourists on the left side of the tram and 7 tourists on the right side of the tram. Altogether, how many tourists were on the tram?
(1)

T E S T**2***Also take Facts Practice Test A
(100 Addition Facts).*

Name _____

1. Irma is fifth in line. Walt is eighth in line. How many people are between Irma and Walt?
(5)**2.** Chang has \$32. Eng has \$23. Together Chang and Eng have how much money?
(1)

Use digits to write each number:

3. two hundred forty-two
(7)**4.** nine hundred sixteen
(7)

Use words to write each number:

5. 905
(7)**6.** 521
(7)**7.** The numbers 2, 6, and 8 form a fact family. Write two addition facts and two subtraction facts using these three numbers.
(6)**8.** The digit 1 is in what place in each number?
(4)

(a) 841

(b) 103

(c) 219

9. Which digit is in the hundreds place in 383?
(4)**10.** \$55 + \$23
(8)**11.** 5 + 9 + 2 + 1 + 3 + 9
(1)**12.**
$$\begin{array}{r} 36 \\ + 25 \\ \hline \end{array}$$

(9)**13.**
$$\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

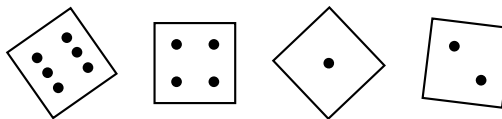
(6)**14.**
$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

(6)

Find each missing addend:

15.
$$\begin{array}{r} 7 \\ N \\ + 3 \\ \hline 13 \end{array}$$

(2)**16.**
$$\begin{array}{r} 3 \\ 1 \\ + N \\ \hline 11 \end{array}$$

(2)**17.** Write a number sentence for this picture:
(1)

Write the next three numbers in each counting sequence:

18. 5, 10, 15, _____, _____, _____, ...
(3)**19.** 36, 42, 48, _____, _____, _____, ...
(3)**20.** Which of these numbers is an even number?
(10)

A. 330

B. 303

C. 241

D. 225

TEST

3

Also take *Facts Practice Test A*
(100 Addition Facts).

Name _____

1. (1, 7) Forty-two children ran under the bridge. Twenty-five children did cartwheels in the grass. How many children were there in all?
2. (7) Use digits to write the number seven hundred twenty-seven.
3. (7) Use words to write the number 391.
4. (Inv. 1) Use digits and a comparison symbol to write “Six is greater than three.”
5. (6) The numbers 5, 6, and 11 form a fact family. Write two addition facts and two subtraction facts using these three numbers.
6. (10) Is 854 an odd number or an even number?
7. (11) Amber held 8 coins in her left hand and some more coins in her right hand. Altogether Amber had 17 coins in her hands. How many coins were in Amber’s right hand?
8. (Inv. 1) To what number is the arrow pointing?



Compare:

9. (Inv. 1) $594 \bigcirc 495$

10. (Inv. 1) $321 \bigcirc 213$

Find the missing number in each counting sequence:

11. (3) 35, _____, 45, 50, ...

12. (3) 54, 45, _____, 27, ...

Find each missing number:

13. (12)

$$\begin{array}{r} 13 \\ - A \\ \hline 8 \end{array}$$

14. (12)

$$\begin{array}{r} N \\ - 4 \\ \hline 6 \end{array}$$

15. (2)

$$\begin{array}{r} 5 \\ 2 \\ + A \\ \hline 15 \end{array}$$

16. (13)

$$\begin{array}{r} \$476 \\ + \$392 \\ \hline \end{array}$$

17. (14) $38 - 17$

18. (15) $42 - 27$

19. (1) $6 + 3 + 1 + 9 + 4 + 4 + 5$

20. (3) How many digits are in the number 418,831,345?

TEST

4

Also take Facts Practice Test B
(100 Subtraction Facts).

Name _____

1. On the first night Tibor observed forty-seven pulsars. On the second night he observed some more pulsars. ⁽¹¹⁾ If Tibor observed ninety-eight pulsars in the two nights, how many did he observe on the second night?
2. Four hundred cardinals flew south on Friday. Two hundred cardinals flew south on Saturday. Fifty ⁽¹⁾ cardinals flew south on Sunday. How many cardinals flew south in the three days?
3. Kayla had \$359. When Desiree landed on Kayla's property, Desiree had to pay Kayla \$241. Then how ⁽¹³⁾ much money did Kayla have?
4. Write 607 in expanded form. ⁽¹⁶⁾

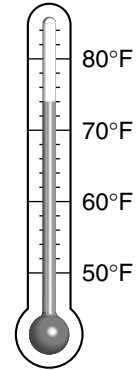
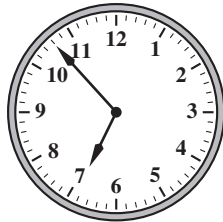
Compare:

5. five hundred six ○ five hundred sixteen ^(Inv. 1)

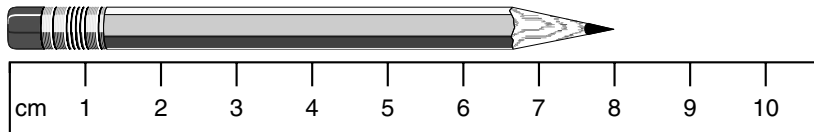
6. 313 ○ 285 ^(Inv. 1)

7. If it is morning, what time is shown by this ⁽¹⁹⁾ clock?

8. What temperature is shown on this ⁽¹⁸⁾ thermometer?



9. How long is this pencil? ^(Inv. 2)



10. Round 88 to the nearest ten. ⁽²⁰⁾

11. Round \$6.38 to the nearest dollar. ⁽²⁰⁾

12. Feynman is standing sixth in line. Dirac is thirteenth in the same line. How many people are between ⁽⁵⁾ Feynman and Dirac?

$$\begin{array}{r} 13. \quad 31 \\ (17) \quad 46 \\ \quad 12 \\ + 57 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 592 \\ (13) \quad + 336 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad \$81 \\ (15) \quad - \$53 \\ \hline \end{array}$$

Find each missing number:

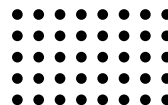
$$\begin{array}{r} 16. \quad C \\ (16) \quad - 24 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 17. \quad 32 \\ (14) \quad + D \\ \hline 58 \end{array}$$

$$\begin{array}{r} 18. \quad 54 \\ (16) \quad - F \\ \hline 31 \end{array}$$

19. $3 + 43 + 25 + 10 + G = 100$ ⁽²⁾

20. How many dots are in this pattern? Count by fives. ⁽³⁾



TEST

7

Also take Facts Practice Test B
(100 Subtraction Facts).

Name _____

1. There are five hundred thirteen pages in the book. Elena has read two hundred seventy-one pages. How many pages are left for Elena to read?
(11)

2. Use the digits 5, 2, and 7 once each to make an odd number greater than 600.
(10)

3. Draw a pattern of X's to show the multiplication of 3 and 5.
(Inv. 3)

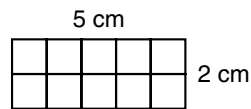
4. Egbert wrote his birth date as 10/18/98.
(5)

(a) In what month was Egbert born?

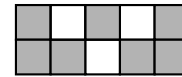
(b) In what year was Egbert born?

5. Draw two parallel lines.
(23)

6. This rectangle is 5 cm long and 2 cm wide.
(Inv. 3) What is the area of the rectangle?



7. What fraction of this rectangle is shaded?
(22)

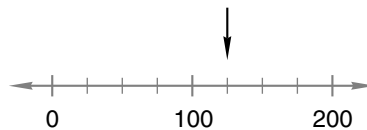


8. Change this addition problem to a multiplication problem: $7 + 7 + 7 + 7$
(27)

9. Round 37 to the nearest ten. Round 44 to the nearest ten. Then add the rounded numbers.
(20)

10. Is the value of 2 nickels and 4 dimes an even number of cents or an odd number of cents?
(10, 35)

11. The arrow is pointing to what number on this number line?
(Inv. 1)



12. (a) 4×4
(Inv. 3)

(b) 8×8

(c) 5×5

13. Fifty-six is how much less than sixty-five?
(31)

14. Find the square root: $\sqrt{36}$
(Inv. 3)

15. Compare: $33 + 44$ \bigcirc $22 + 54$
(Inv. 1)

Find each missing number:

16. $23 + W = 79$
(14)

17.
$$\begin{array}{r} 636 \\ - X \\ \hline 214 \end{array}$$

(16)

18. Use words to write $4\frac{1}{3}$.
(35)

19. Use digits to write four million.
(34)

20.
$$\begin{array}{r} 734 \\ - 368 \\ \hline \end{array}$$

(30)

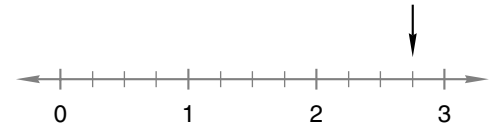
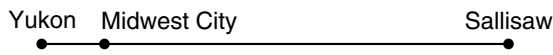
TEST

8

Also take Facts Practice Test C
(Multiplication Facts: 0's, 1's, 2's, 5's).

Name _____

- ⁽³⁵⁾ Neil had four dimes, two quarters, and five pennies. Write this amount with a dollar sign and decimal point.
- ⁽¹¹⁾ Sallisaw is 175 miles east of Yukon. Midwest City is 23 miles east of Yukon. How far is it from Midwest City to Sallisaw?
- ⁽³⁷⁾ Name the fraction or mixed number marked by the arrow on this number line:



- ^(Inv. 1) Compare: $11 + 35 + 18$ \bigcirc 8×8
- ⁽⁴⁰⁾ One gallon of milk is how many pints?
- ⁽³³⁾ Use words to write 876,482.
- ⁽²⁶⁾ Draw a square and shade three fourths of it.
- ^(7, Inv. 1) Use digits and symbols to compare six hundred thirty-seven and eight hundred twenty-three.
- ⁽²³⁾ Which letter below has no right angles?

L E A F

- ^(Inv. 2) What is the perimeter of a rectangle that is 4 cm long and 2 cm wide?
- ⁽²⁰⁾ Round 74 to the nearest ten. Round 77 to the nearest ten. Add the rounded numbers.
- ^(Inv. 2, 21) If the diameter of a circle is four yards, then the radius is how many feet?
- ⁽³⁵⁾ What mixed number is shown by the shaded rectangles?



14. $\$4.61 - \2.73
⁽³⁰⁾

15. $\sqrt{49}$
^(Inv. 3)

16. $\$845 + \$753 + \$29$
⁽¹⁷⁾

17. (a) $\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$
⁽³⁸⁾

(b) $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$

(c) $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$

Find each missing number:

18. $\begin{array}{r} E \\ + 342 \\ \hline 621 \end{array}$
⁽²⁴⁾

19. $\begin{array}{r} Y \\ - 232 \\ \hline 244 \end{array}$
⁽¹⁶⁾

20. $25 + 51 + 84 + 19 + N = 432$
⁽²⁾

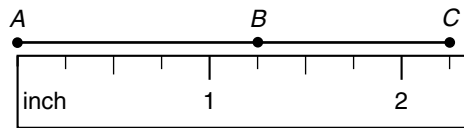
Also take Facts Practice Test E
(Multiplication Facts: 2's, 5's, 9's, Squares).

Name _____

1. Four hundred seventy-nine fish were in the first wave. Altogether eight hundred forty-three fish were in the first two waves. How many fish were in the second wave?
(11)
2. There were five hundred thirty-three bags in the first shipment. There were six hundred forty-eight bags in the second shipment. How many fewer bags were in the first shipment?
(31)
3. Heather paid \$5.00 for an item that cost \$3.27. How much money should Heather get back?
(41)
4. Round 845 to the nearest hundred.
(42)
5. Draw and shade rectangles to show the mixed number $2\frac{5}{6}$.
(35)
6. Use words to write 16.3.
(Inv. 4)
7. It is night. What time was it 40 minutes ago according to this clock?
(27)



8. To the nearest quarter inch, how long is segment AB?
(39, 45)



9. To what mixed number is the arrow pointing?
(37)



Find each missing number:

10.
$$\begin{array}{r} N \\ + 356 \\ \hline 497 \end{array}$$

11.
$$\begin{array}{r} 597 \\ - S \\ \hline 356 \end{array}$$

12. $9N = 63$
(41)

13.
$$\begin{array}{r} \$9.06 \\ - \$3.48 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 40 \\ \times 3 \\ \hline \end{array}$$

16. $84 + (7 \times 8)$
(45)

17. $6 \times (4 + 3)$
(45)

18. $\$6.54 + 68\text{¢} + \3
(43)

19. $\sqrt{36} + \sqrt{81}$
(Inv. 3)

20. $0.65 - 0.30$
(43)

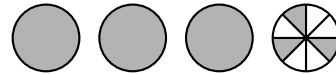
T E S T

10

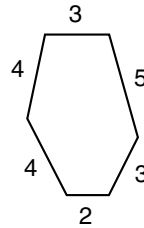
Also take Facts Practice Test F
(Multiplication Facts: Memory Group).

Name _____

1. The coach has five teams with twelve players on each team. How many players does the coach have in all?
(49)
2. If the diameter of a circle is one yard, then its radius is
(Inv. 2, 21)
A. 6 ft B. 3 ft C. 2 yd D. $1\frac{1}{2}$ ft
3. Three hundred ninety-four monkeys jumped up and down, while the other two hundred seventy-three monkeys just clapped their hands. What was the total number of jumpers and clappers?
(1)
4. Maria found three hundred twenty-six shells. Henry found eight hundred thirty-seven shells. Henry found how many more shells than Maria?
(31)
5. Which digit in 29.3 is in the tenths place?
(50)
6. Use the digits 6, 7, 8, and 9 once each to write an even number between 6500 and 6900.
(10)
7. Write the mixed number shown by the shaded circles.
(35)



8. What is the perimeter of this shape? Dimensions are in feet.
(Inv. 2)



9. Round 281 to the nearest hundred.
(42)

Add, subtract, multiply, or find the missing number:

10. $\begin{array}{r} 84,048 \\ + 15,569 \\ \hline \end{array}$
(51)

11. $\begin{array}{r} \$5.50 \\ - \$2.69 \\ \hline \end{array}$
(30)

12. $\begin{array}{r} N \\ + 192 \\ \hline 671 \end{array}$
(24)

13. $\begin{array}{r} 41 \\ \times 8 \\ \hline \end{array}$
(44)

14. $\begin{array}{r} 27 \\ \times 8 \\ \hline \end{array}$
(48)

15. $\begin{array}{r} Z \\ - 546 \\ \hline 312 \end{array}$
(16)

16. $6.43 - 3.8$
(50)

17. $5.1 + 3.72$
(50)

18. $\$5.32 + \$3 + 57\text{¢} + 8\text{¢}$
(43)

19. Compare: $(5 \times 6) + 7$ \bigcirc $5 \times (6 + 7)$
(Inv. 1, 45)

20. (a) $9\overline{)54}$
(46)

(b) $32 \div 8$

(c) $\frac{63}{9}$

TEST

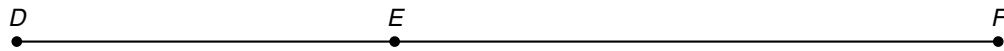
11

Also take Facts Practice Test H
(100 Multiplication Facts).

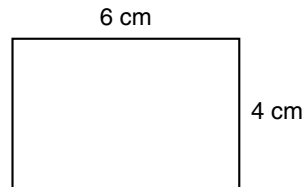
Name _____

1. Fifty-six days is how many weeks?
(52)
2. List the factors of 18.
(55)
3. Forty-five books were put into five equal stacks. How many books were in each stack?
(52)
4. Draw a circle and shade 75% of it.
(Inv. 5)
5. How many years are in five decades?
(54)
6. Find the eighth multiple of 6. Then subtract 17. What is the answer?
(55)
7. Compare: $\frac{1}{2} \bigcirc 75\%$
(Inv. 5)

8. Segment DE is 5 cm long. Segment DF is 13 cm long. How long is segment EF ?
(45)



9. What is the perimeter of this rectangle?
(Inv. 2)



10. Round 1760 to the nearest thousand.
(54)

$$\begin{array}{r} 11. \quad 42,092 \\ + \quad 8,768 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \$17.00 \\ - \quad \$9.27 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 35,456 \\ - \quad 17,468 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 83 \\ \times \quad 8 \\ \hline \end{array}$$

$$15. \quad 1.54 + 3.8 + 14.2$$

$$16. \quad \sqrt{36} + (24 \div 3)$$

$$17. \quad 55 \div 6$$

$$\begin{array}{r} 18. \quad 307 \\ - \quad 49 \\ \hline \end{array}$$

Find each missing number:

$$\begin{array}{r} 19. \quad Z \\ + \quad 937 \\ \hline 1284 \end{array}$$

$$\begin{array}{r} 20. \quad N \\ - \quad 472 \\ \hline 500 \end{array}$$

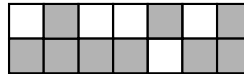
T E S T

12

Also take Facts Practice Test I (90 Division Facts).

Name _____

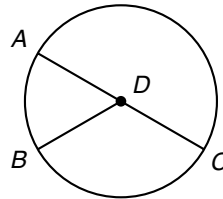
1. ⁽³¹⁾ The first number was two thousand, two hundred eighty-two. The second number was three hundred twenty-six. The first number was how much greater than the second number?
2. ⁽⁴⁹⁾ Nine clowns could crowd into each car. If there were 16 cars, how many clowns could crowd in?
3. ⁽⁶⁰⁾ Eva rode her bike at a steady speed to her grandmother's house, which was eight miles away. The ride took 40 minutes. How many minutes did it take Eva to ride each mile?
4. ⁽⁶⁰⁾ The Rose family drank 48 quarts of milk in 6 days. On average they drank how many quarts of milk each day?
5. ⁽⁵⁷⁾ Junior drove for 5 hours at 52 miles per hour. How far did Junior drive?
6. ⁽²²⁾ What fraction of this rectangle is shaded?



7. ⁽⁵⁴⁾ Thirty decades is the same as how many centuries?
8. ⁽⁵⁶⁾ Compare these fractions. Draw and shade two congruent circles to show the comparison.

$$\frac{1}{3} \bigcirc \frac{5}{8}$$

9. ⁽⁵⁹⁾ Estimate the sum of 582 and 321 by rounding each number to the nearest hundred before adding.
10. ⁽⁴⁵⁾ Which segment in this circle is a diameter?



11. ⁽⁵⁵⁾ Find the sixth multiple of nine. Then subtract 23. What is the answer?

$$\begin{array}{r} 12. \quad \$65.98 \\ \quad + \$11.45 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 645,972 \\ \quad - 208,394 \\ \hline \end{array}$$

$$14. \quad 7.89 - (2.5 + 1.53)$$

$$15. \quad 2000 - (14 \times 6)$$

$$\begin{array}{r} 16. \quad 720 \\ \quad \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 549 \\ \quad \times \quad 7 \\ \hline \end{array}$$

$$18. \quad \sqrt{49} \div 7$$

$$19. \quad 8 \overline{)67}$$

$$20. \quad \text{Find the missing factor: } 8R = 72$$

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