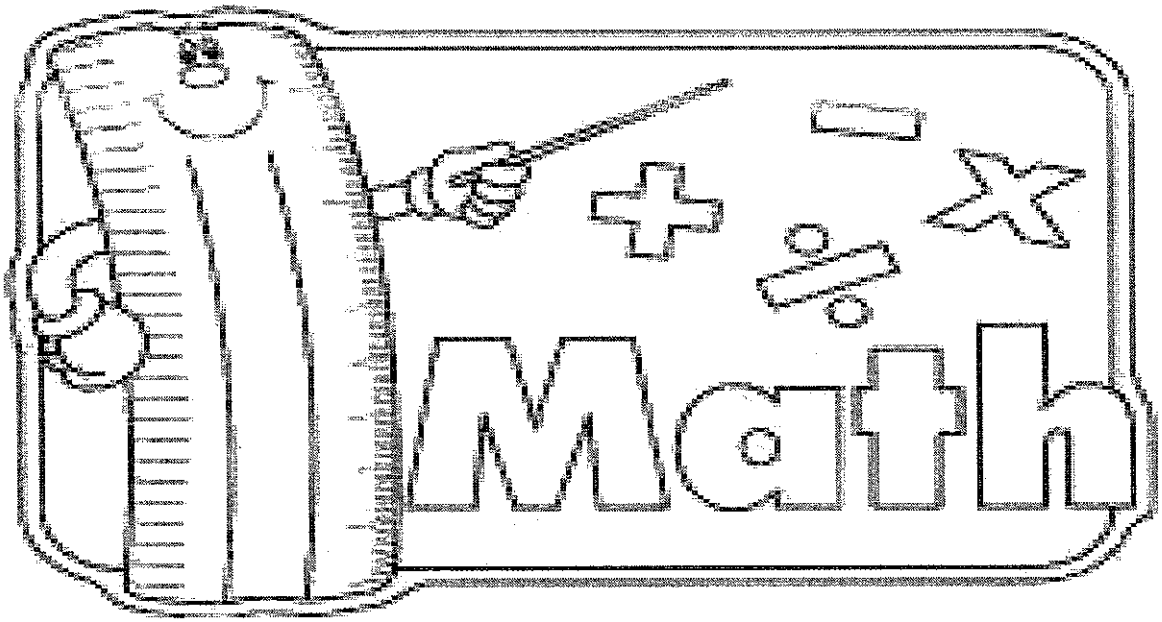


Students Entering Sixth Grade

Summer Math Packet

Name_____

(1) $(8 \times 8) + (5 \times 10) =$

---

(2) Find all the factor pairs for 21

---

(3) Round 123, 1867 to the nearest thousandth.

---

(4) Which two fractions are equivalent?

$\frac{3}{10}$ $\frac{6}{8}$ $\frac{6}{100}$ $\frac{3}{4}$

---

(5) $39 \times 58 =$

---

(6) Cows move into a field. Each cow brings the same number of flies with it.

Arriving Cows	1	2	3	4	5
Arriving flies	7	14	21		

---

(7) Choose the quadrilateral that is <u>not</u> a parallelogram.

(8) $\frac{4}{5} + \frac{3}{10} = ?$

---

(9) Find the product. 12.7 x 2.9 =

---

(10) Write the numerical expression that represents dividing 77 by 7, and then multiplying by 0.5. Then solve.

---

(11) Write twelve and ninety-seven hundredths in number form.

---

(12) (755 + 136) ÷ (874 - 635) =

---

(13) Find the sum. 57.34 + 18.55 =

(14) Order the numbers from greatest to least.

180.68, 108,86, 180.86

---

(15) Find all the factor pairs for 24.

---

(16) Round 987.856 to the nearest tenth.

---

(17) Solve.

$6 \times (\frac{4}{5})$.

---

(18) Choose the numerical expression that represents multiplying the sum of 159 and 833 by 6, then solve.

A) $(833 + 159) + 6$

B) $(833 + 159) \times 6$

C) $(159 + 833) - 6$

---

(19) 725 x 6 =

---

(20) Write a multiplication equation related to 250 ÷ 50 = g. Then solve for g.

(21) Round 55.438 to the nearest hundredth.

(22) Each year the paper mill gets smaller and can harvest fewer trees. If the pattern continues, how many trees will be harvested in the next two years?

Year	2013	2014	2015	2016	2017
Thousands of Trees	480	240	120		

(23) Find the difference. 34.22 - 29.94 =

(24) Write thirty-four thousand, six hundred fifty-two as a base ten number.

(25) [(25 - 20) x 6] ÷ 3 =

(26) 39 x 53 =

---

(27) Is 50 prime or composite? Explain.

---

(28) Write <, > , or =

8.419 ◯ 8.149

---

(29) Is a non-equilateral isosceles triangle regular or irregular?

---

(30) Choose the numerical expression that represents subtracting 35 from 68, and then dividing by ½.

A) $(68 - 35) \div \frac{1}{2}$

B) $(68 \div \frac{1}{2}) - 35$

C) $(68 + 35) \div \frac{1}{2}$

---

(31) Round 24.4697 to the nearest thousandth.

(32) Find the sum.

$$\frac{3}{4} + \frac{5}{8} = ?$$

---

(33) Max rolled out 47 yards of garden hose. How many feet of garden hose was it?

---

(34) [(13 + 35) ÷ 8] x 9 =

---

(35) Write twenty-six and seven hundred thirty-five thousandths as a decimal.

---

(36) List the first 6 multiples of 3.

---

(37) Find the product of 45.6 and 3.4

(38) Complete and describe the pattern.

63, 58, 53, 48, _____, _____, _____

---

(39) 93 x 22 =

---

(40) Choose the numerical expression that represents subtracting ¾ from the product of 8 and 2.

A) $(8-2) \times \frac{3}{4}$

B) $(8 \times 2) - \frac{3}{4}$

C) $(8 - \frac{3}{4}) \times 2$

---

(41) Find the quotient. 6.55 ÷ 0.5 =

---

(42) Solve 1,640 ÷ 4

(43) 4,436 x 3 =

(44) Mabel is learning to knit. Each day, she can do more stitches per minute. If the pattern continues, how many stitches will Mabel do per minute on day 4 and 5?

Day	1	2	3	4	5
Stitches per Minute	8	16	24		

(45) Choose the numerical expression that has the same meaning as dividing the sum of 12,665 and 42,981 by 2.

A) $(12{,}665 \div 2) + 42{,}981$

B) $(12{,}665 + 42{,}981) \div 2$

C) $(42{,}981 \div 12{,}665) \div 2$

(46) Round 68.75 to the nearest tenth.

(47)

35 is a multiple of 1, _____, _____, and 35

(48) $[55 + (74 - 63)] \div 6 =$

(49) Which polygons are congruent?

(50) Round 47,567 to the nearest hundred.

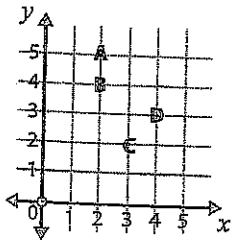
(51) Choose the number(s) that are multiples of both 2 and 5.

6 16 40 15 25 36

(52) Use <, >, =

2,105 ◯ 2,015

(53) The horizontal and vertical axes meet at the point (0,0), called the origin. The first number in an ordered pair is the x-coordinate; the second number is the y-coordinate. To locate point A on the coordinate plane, begin at the origin. Move horizontally to the 2. Then move vertically to the 5. Ordered pair for the coordinates for point A is (2,5). What letter is located at (3,2)?



(54) Round 29.7896 to the nearest thousandth.

---

(55) Find the difference. 45.3 - 26.7 =

---

(56) Choose the numerical expression that represents subtracting 45 from the product of 12 and 9.

A) $(12 \times 9) - 45$

B) $45 - (12 \times 9)$

C) $(12 - 9) \times 45$

---

(57) Complete and describe the pattern.

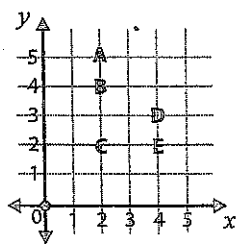
37, 33, 29, 25, _____, _____, _____

---

(58) Use the coordinate plane to answer the questions.

A) What letter is located at (4,2)?

B) What letter is located at (2,4)?



(59) 235 x 12 =

---

(60) Write 2.871 in expanded form.

---

(61) Carol is reducing the amount of TV she watches. If the pattern continues, how many hours of TV will Carol watch during June and July?

Month	March	April	May	June	July
Hours of TV	120	108	96		

---

(62) Choose the numerical expression that represents subtracting 646 from 8,109 and then dividing by 0.2. Then solve.

A) $(8{,}109 - 646) \div 0.2$

B) $(646 - 8{,}109) \div 0.2$

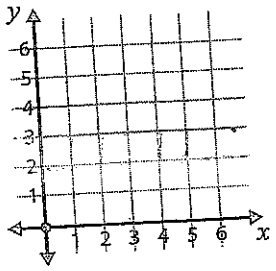
C) $(8{,}109 \div 646) - 0.2$

---

(63)

48 is a multiple of 1, 2, 3, 4, _____, _____, 12, _____, 24 and 48.

(64) Plot and label the points M (5,3) and H (1,4) on the coordinate plane.



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(65) Choose the numerical expression that represents dividing the sum of 641 and 80 by ½.

A) $(641 \div 80) + \frac{1}{2}$

B) $(641 + 80) + \frac{1}{2}$

C) $(641 + 80) \div \frac{1}{2}$

---

(66) Kelly is spending less each day. If the pattern continues, how much will Kelly spend on Day 4 and Day 5?

Day	1	2	3	4	5
Kelly's Daily Spending	800	400	200		

---

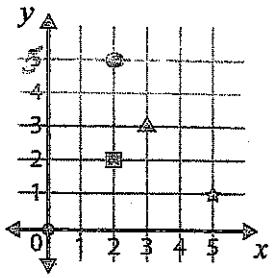
(67) 51 x 65

---

(68) [8 x (54 ÷ 9)] ÷ 6 =

(69) Use the coordinate plane to answer the questions.

A) Name the shape located at (2,5)
B) Name the shape located at (5,1)



(70) Write *five and nine tenths* as a decimal.

(71) Solve: 45.6 - 9.87 =

(72) Round 715.896 to the nearest tenth.

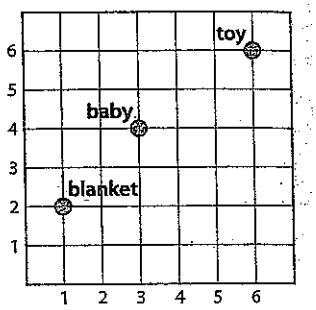
(73) Solve: 4,824 ÷ 24

(74) Use <, >, or =

5.06 ◯ 5.6

(76) 0.67 x 1.5 =

(77) Look at the grid. If you travel along the grid lines, is it shorter for the baby to crawl toward his blanket or his toy? Explain.



(78) Solve 4,824 ÷ 24 Show your work.

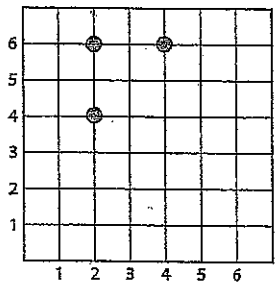
(79) Write the expression: multiply ½ by 4.5, and then subtract 2.

(80) 2,749 x 5 =

(81) (65.4 - 55.8) ÷ (34.5 - 31.5) =

(82) 83.2 ÷ 0.4 =

(83) Look at the grid. Identify the mising coordinates that will complete the square. Plot the point on the coordinate plane, and give its coordinates. Connect the points.



(84) Ted pours plaster into a 6 x 8 inch mold. The plaster is 1 inch deep. What is the volume of the plaster in cubic inches? (Volume equals length, times width, times hight)

(85) Solve

$$7 \div \frac{1}{6} = \_\_$$

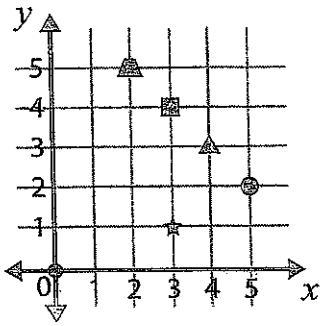
(86) Solve

$$\frac{4}{5} - \frac{3}{8} = ?$$

(87) Use the grid to complete the items.

a) Name the shape located at (5,2)

b) Name the shape located at (4,3)



(88) Isaiah collects bags of cans for recycling. After the picnic he collected 4 bags of cans. After the baseball game he collected 2 ⅘ bags of cans. How many bags did Isaiah take to the recycling center?

(89) Order the numbers from greatest to least;

78.581, 87.581, 87.185

(90) Mr. Michael bought 4 quarts of paint for the spirit club members to paint signs for the football game. Each member used 1/3 of a can for their sign. How many members are in the spirit club?

---

(91) Round 741.257 to the nearest tenth.

---

(92) Solve 88 x 16 =

---

(93) Solve

$$4 \div \frac{1}{3} = \_\_\_$$

---

(94) Use <, >, or =

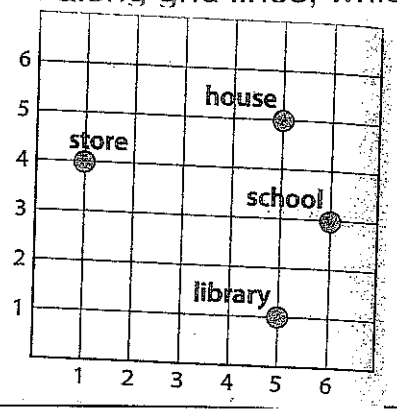
183.51 ◯ 138.51

---

(95) The floor in Lance's office is 10 feet by 6 feet, and the distance from floor to ceiling is 8 feet. What is the volume of Lance's office? ($V = l \times w \times h$)

(96) Solve $8\frac{4}{5} - 3\frac{1}{3} = ?$

(97) Look at the grid. If you travel along grid lines, which places are the same distance apart?



(98) Order the numbers from least to greatest.

8.180, 8.018, 8.8

(99) Identify the pattern by stating the rule.

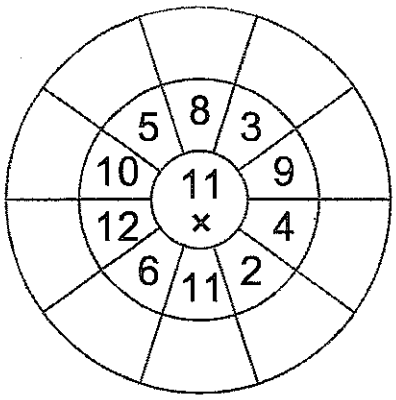
100, 76, 126, 102, 152

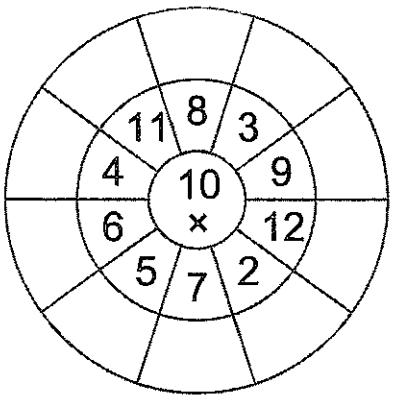
(100) 125 x 21 =

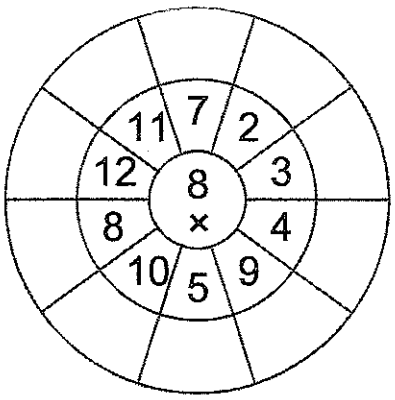
Multiplication circle drills (2-12)

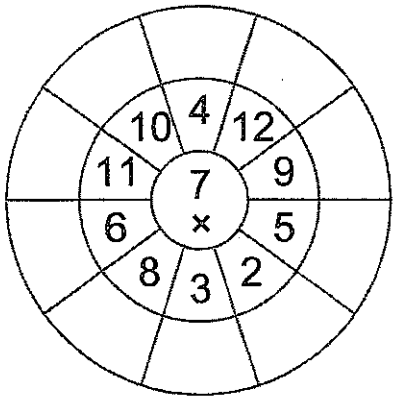
Multiplication Practice Worksheet

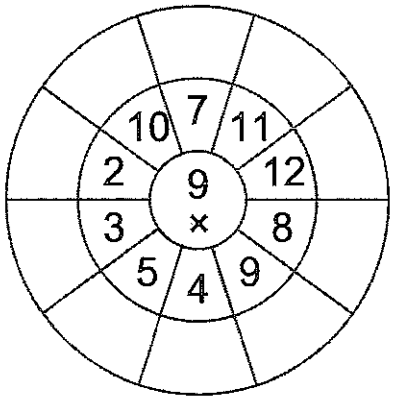
Multiply.

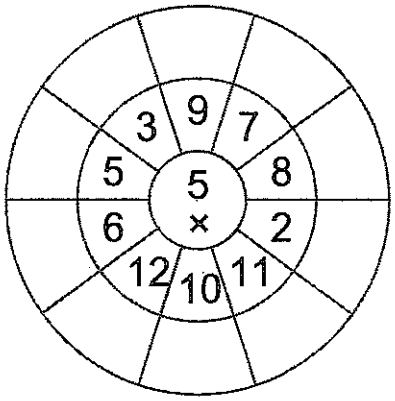


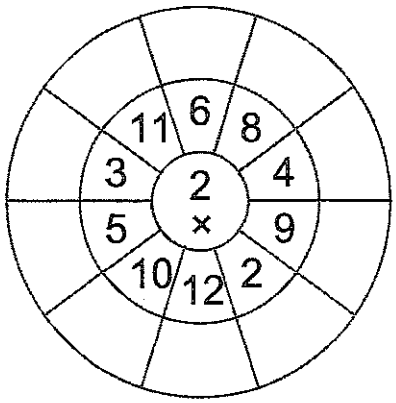


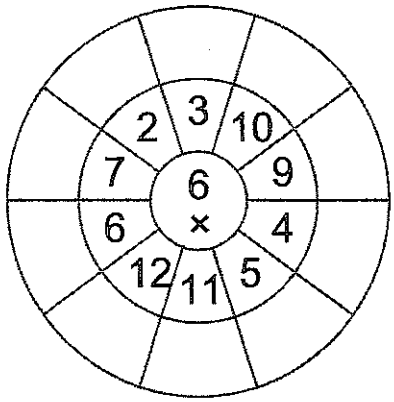


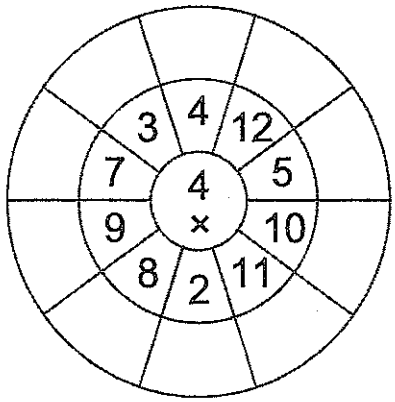












Division circle drills (2-12)

Division Facts Worksheet

Divide.