

Mental Math Workouts - Set 1 Review

name:

1. $6\frac{1}{4} = 6\frac{\square}{12}$

2. $\square \div 5 = 4 \text{ r } 3$

3. $20 \times \square = 5\frac{5}{5}$

4. Complete the series below:

3, 3, 4, 6, 9, 13, _____, _____

5. $6 \times \square \times \square \times \square = 6$

6. $5\frac{5}{8} + \square + \square + \square = 1$

7. Twin primes have one composite number between them (e.g. 5, 7). Write the one pair of twin primes between the numbers 20 and 40.

8. $\frac{3}{25} = \square \% = \square 0.$

9. Shade 2 numbers which are consecutive and also composite numbers.

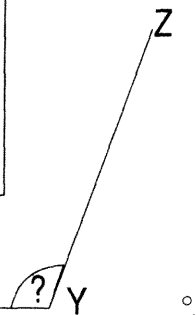
5	6	7	9	10	11	12
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10. 36×14 is the same as:

- (a) $(36 \times 1) + (36 \times 4)$
- (b) $(36 \times 10) + (36 \times 4)$
- (c) $(30 \times 10) + (6 \times 4)$

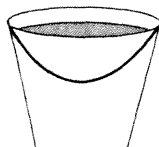
11. Estimated degrees in angle ZYX =

X



12. An average bucket would hold about:

- (a) 10 mL
- (b) 1 kL
- (c) 10 L
- (d) 500 mL

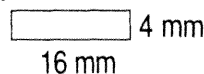


13. _____

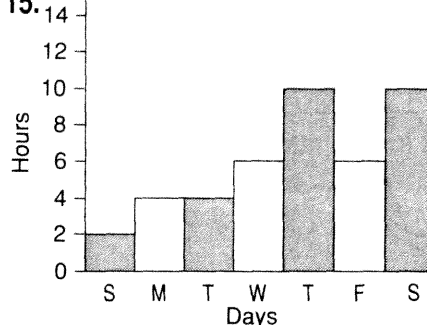
- (a) _____
- (b) _____
- (c) _____
- (d) _____

Which line is 25% of the top line?
Ruler needed.

14. Label its dimensions after you draw a square the same area as this rectangle on the back of this sheet.



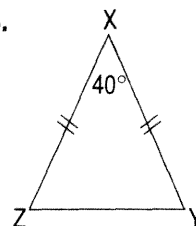
15. Sunshine from 2/9/94 - 8/9/94



Average daily sunshine for this period is

_____ hours.

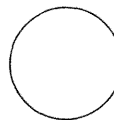
16.



The base angles of an isosceles triangle are congruent.

Angle XYZ = _____°

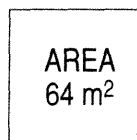
17.



Two-thirds of the diameter of this circle is

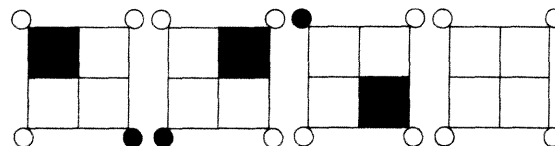
_____ cm or _____ mm.

18.

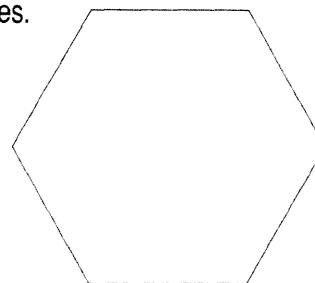


Perimeter of this square = _____ m

19. Complete the next shape below.



20. A trapezium has one pair of parallel sides. Draw 2 lines and divide this hexagon into one trapezium and 2 triangles.



Mental Math Workouts - Set 3 Review

name:.....

1. $6 \times 8 \times \square \times 3 = 0$

2. $\square/12 = 3/\square$ The numerals missing from the fractions are the same.

3. $24 \div \square = 6 \div \square$

4. An odd number times an even number always gives an number. Shade your answer.

5. Numbers exactly divisible by 20 are also exactly divisible by:
 (a) 40 (b) 5
 (c) any number less than 20 (d) 8

6. In the boxes list the factors of 40.
 Now shade the prime factors.

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7. 0.07 has the same value as:
 (a) 0.70 (b) $7/10$
 (c) 0.070 (d) $7/1,000$

8. \$60 is shared among Tim, David and Jodie in the ratio 2:3:7.
 Tim's money = _____
 David's money = _____
 Jodie's money = _____

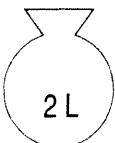
9. Show a tally of 21 in groups of 4.





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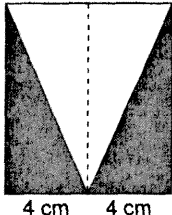
10. $2 \times 3 \times 3 \times 4$ is the same as:
 (a) $2 \times 4 \times$ two threes (b) $4 \times 2 \times 3 \times 2$
 (c) $2 \times 3 \times 4 \times 3$ (d) $6 \times 2 \times 4$

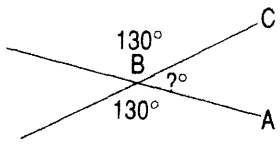
11. Put in your own dimensions for this equilateral Δ .
 Do not measure the sides.



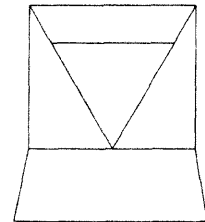
12.  How many 250 mL cups of water could you take from this container? _____

13.  is to  as  is to 
 Use rotation to find your answer.

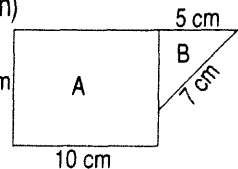
14.  Total area of the shaded part = _____ cm^2 .

15. Vertically opposite angles are congruent.

 Angle ABC = _____ $^\circ$

16. Color 2 congruent shapes blue and 2 similar shapes red.

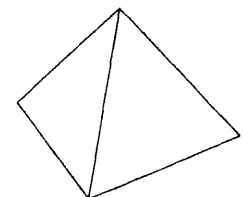


17. Total area of this shape is:
 (a) $(8 \text{ cm} \times 10 \text{ cm}) + (5 \text{ cm} \times 7 \text{ cm})$
 (b) $\text{area B} + (8 \text{ cm} \times 10 \text{ cm})$
 (c) $\text{area B} + (8 \text{ cm} \times 5 \text{ cm})$
 (d) $8 \text{ cm} \times 10 \text{ cm} \times 5 \text{ cm} \times 7 \text{ cm}$



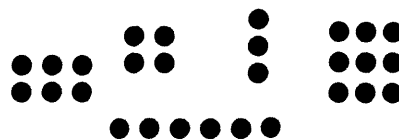
18. Complete the number of

(a) vertices: _____
 (b) faces: _____
 (c) edges: _____



in this square based pyramid.

19. Circle the array which is a prime number.



20. In math a perfect number is one that is the same as the sum of its factors (not including the number itself).

What is the only perfect number between 20 and 30?

Mental Math Workouts - Set 4 Review

name:.....

1. $6 \times \square = (\square \times 7) + 2$

2. The place value of the 8 in the number 4,081,632

= _____

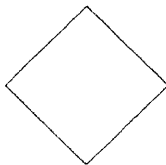
3. $(49 \times 5 = 245) \approx \text{_____} \times 5 = \text{_____}$

4. How many sixths in $\frac{5}{10}$?

5. The set of prime numbers > 20 and $< 40 =$

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6.



Total length of the diagonals in this rhombus =

_____ cm.

7. Roman numerals DCCLXI = _____.

8. Shade the factors of 100.

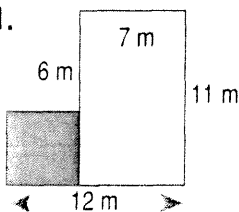
15	30	35	20	40	45	25	50	60	55	100
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9. $14 \times 67 = (14 \times \square) + (14 \times \square)$

10. The number where the underlined 4 is one hundred times the value of the other 4 is:

- (a) 4, 1 2 4 (c) 3, 4 4 5
(b) 2, 4 1 4 (d) 4, 4 6 2

11.

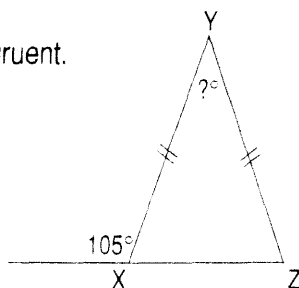


All angles are right angles.
Area of shaded part

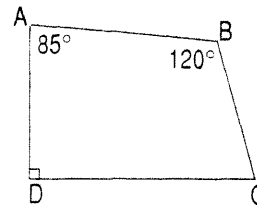
= _____ m^2 .

12. The base angles of isosceles Δ 's are congruent.

$\angle XYZ = \text{_____}^\circ$



13.

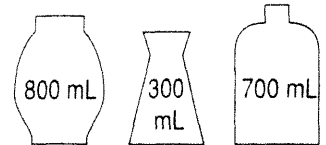


The 4 interior angles of any quadrilateral total 360° .

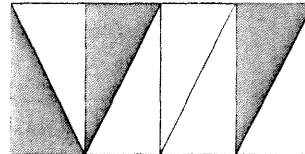
$\angle BCD = \text{_____}^\circ$

14. How many liters would you have if all containers were full?

_____ L



15.



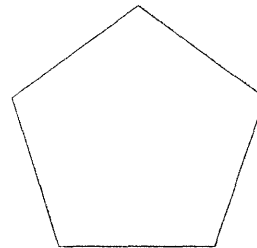
Fraction of the whole which is shaded =

_____.

16. The angle between the hands of a clock at 15:00 hours is:

- (a) 45° (b) 90°
(c) depends on size of clock (d) 20°

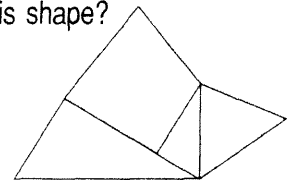
17.



Put in your own measurements for this regular pentagon. Do not measure with a ruler.

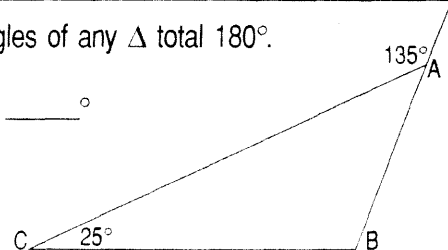
18. How many right angles in this shape?

_____ angles.

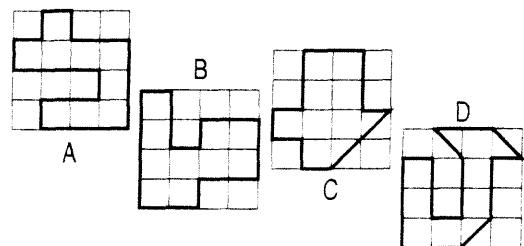


19. The angles of any Δ total 180° .

$\angle ABC = \text{_____}^\circ$



20.



Which 2 shapes cover the same area? _____

Mental Math Workouts - Set 5 Review

name:

1. $11/100 - 0.005 =$

2. Shade the **odd** multiples of 3.

3	6	12	15	18	24	31	33
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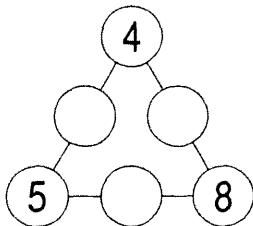
3. If $a = 3 \times b^2$, what are the missing numbers?

a	12	48		27	
b	2	4	1		5

4. Complete the series:

2, 4, 3, 9, 4, 16, _____, _____

5.



Use single digit numbers less than 10 to make each side's total the same. All 6 numbers are different.

6. The figure $3\frac{2}{3}$ is:

- (a) an improper fraction
- (b) a proper fraction
- (c) a mixed numeral
- (d) a decimal fraction

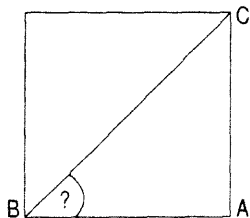
7.



The diagram represents:

- (a) 3 wholes
- (b) $\frac{8}{3}$
- (c) $2\frac{1}{2}$
- (d) $2\frac{1}{3}$

8.



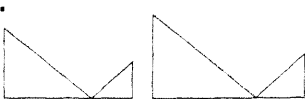
In this square, angle

$ABC =$ _____°.

9. $3^4 = 3 \times$ $\times 3 = 81$

10. $\frac{1}{2}$ of $\frac{5}{6} = \frac{1}{2}$ of $\frac{\quad}{12} = \frac{\quad}{12}$

11.



Shapes A and B are similar shapes. True or false?

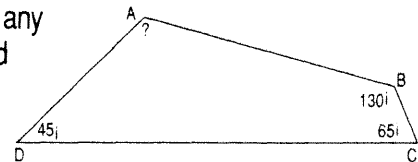
12. $4 \times$ $\times \frac{1}{2} = 10$

13. The largest obtuse angle which is a whole number in degrees = _____°.

14. In a circle the radius is:

- (a) twice the diameter
- (b) always less than 5 cm
- (c) half the diameter
- (d) the same as the diameter

15. The 4 angles of any quadrilateral add up to 360° .

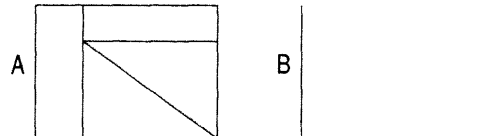


$\angle DAB =$ _____°

16. Circle the date farthest from the present time:

- (a) 1420 A.D.
- (b) 1700 B.C.
- (c) 36 A.D.
- (d) 38 B.C.

17.

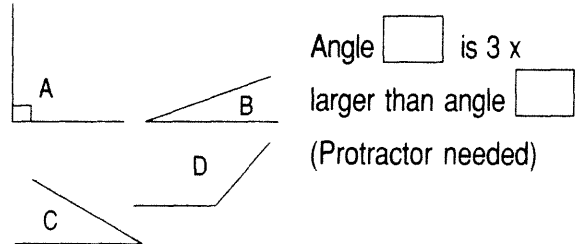


Use your ruler and complete diagram B so that 'A' is congruent to 'B'. Measure accurately.

18. Use your ruler to find which line is 3 x longer than the shortest line.

- (a) _____
- (b) _____
- (c) _____
- (d) _____
- (e) _____

19.

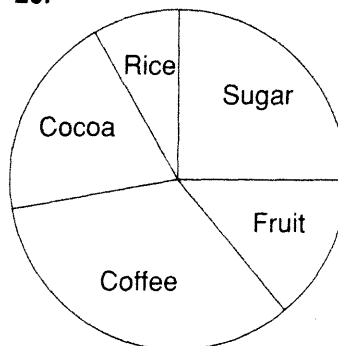


Angle is 3 x

larger than angle

(Protractor needed)

20.



The pie graph shows an island's crop production.

They produce 4 x as much as

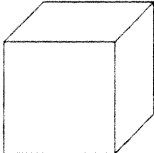
they do .

(You will need to measure the angles.)

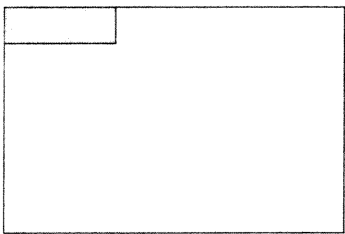
Mental Math Workouts - Set 6 Review

name:.....

1. Add the face value and the total value of the underlined number:
5,347,268

2.  The surface area of this 4-cm cube = _____ cm².

3. An \$80 dress is reduced by 25%.
Its new sale price is \$_____.

4.  Use your ruler to find out how many more shaded rectangles are needed to cover this area.
_____ rectangles

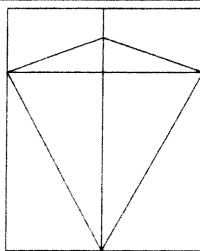
5. 15 pencils cost me 48¢.
What would 10 pencils cost me? _____

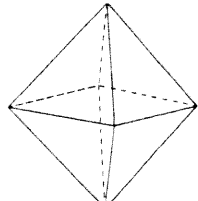
6. XL x V = _____
(Give answer in Roman numerals.)

7.

80	x	12	=	960
160	x	6	=	960
	x		=	960

8. This diagram contains 2 diagonals, 10 right angles and 2 obtuse angles.
True or false?



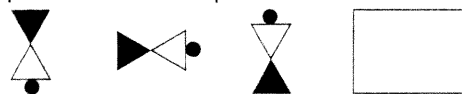
9.  This octahedron has 8 faces, _____ edges and _____ vertices.

10. Place in descending order:
1/3, 4/8, 51%, 1.02

11. Follow the patterns and put in the missing numbers.

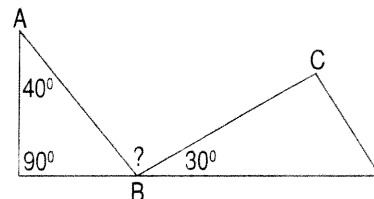
2	6	6		10
3	4	9		15

12. Complete the next shape inside the box.

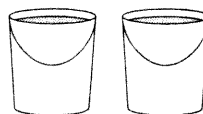


13. A car sets off at 11 a.m. and travels at an average speed of 60 k.p.h. If its journey is 300 km, at what time did it arrive?

14. $\angle ABC = \text{_____}^\circ$



15. These 2 standard buckets hold about:

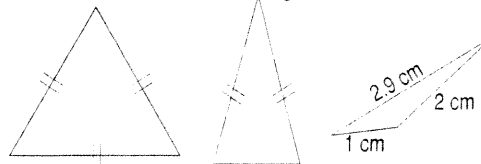


- (a) 200 L (b) 20 L
(c) 2 L (d) 4,000 mL

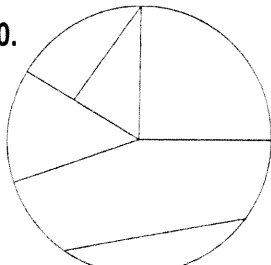
16. A car traveling at 120 k.p.h. would cover 20 km in:
(a) 10 mins (b) 20 mins (c) 1/2 hour (d) 5 mins

17. 0.02 is the same as:-
(a) 0.20 (b) 0.020
(c) 0.002 (d) 0.202

18. Color the isosceles triangle.



19. The length is 4 times the width. Put in the rectangle's dimensions.
 36 cm²

20.  Color the quadrant blue, the sector red and the segment yellow.

Mental Math Workouts - Set 7 Review

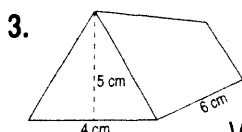
name:.....

1. When a whole number (integer) is divided by $\frac{1}{2}$ the answer is:

- (a) half the whole number
- (b) always twice the integer
- (c) two less than the whole number
- (d) two less than the integer

$$\begin{array}{r} 8, \quad 5 \quad 0 \\ - \quad 3, \quad 6 \quad 2 \quad _ \\ \hline _, \quad 6 \quad 2 \quad 6 \end{array}$$

Put in the missing numerals.

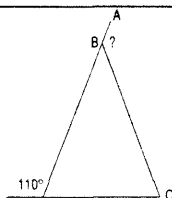


Area of a Δ is $\frac{1}{2}$ base \times \perp (perpendicular) height.

Volume of this prism = _____ cm^3

4. Base angles of isosceles triangles are congruent.

$$\angle ABC = _^\circ$$



$$\frac{1}{2} \times \boxed{} = \frac{1}{4} \times \boxed{}$$

6. The difference between 2^3 and 2^4 is:

- (a) 2
- (b) 3
- (c) 4
- (d) 8

$$7. (3 \times \boxed{}) + 75\% \text{ of } 20 = 30$$

8. Always work out the brackets first. The missing numbers in each line are the same.

$$\boxed{} \times (\boxed{} \div \boxed{}) = 16$$

$$(\boxed{} \times \boxed{}) \div \boxed{} = 16$$

9. Complete the series of Fibonacci numbers:

0, 1, 1, 2, 3, 5, 8, _____, _____

10. Complete the missing numbers from the patterns:

$$64 \times 10 = 640$$

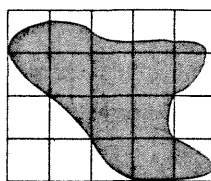
$$32 \times 20 = 640$$

$$16 \times 40 = 640$$

$$\boxed{} \times \boxed{} = 640$$

11. Write four million, four thousand and forty in figures. _____

12.

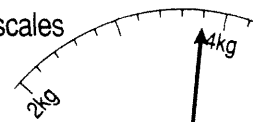


The squares are centimeter squares. Estimated area of shape = _____ cm^2 .

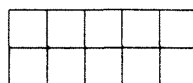
13. Mass (weight) shown on the scales

$$= _ \text{ kg } _ \text{ g}$$

$$= _ \text{ kg}$$

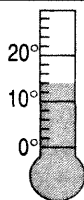


14.



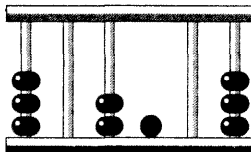
Shade $\frac{1}{20}$ of this diagram.

15.



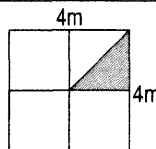
The thermometer reading is _____ $^\circ\text{C}$ and it is a (cold, hot) day.

16.



The number shown on the abacus is: _____

17.



Area of shaded part = _____ m^2 .

18. Scale: 10 cm : 100 km

Real distance from A to B

= _____ km.



19. Complete the pattern:

$$1 \times 9 = 09 = 0 + 9 = 9$$

$$2 \times 9 = 18 = 1 + 8 = 9$$

$$3 \times 9 = 27 = 2 + 7 = 9$$

$$4 \times 9 = _ = _ = 9$$

$$5 \times 9 = _ = _ = _$$

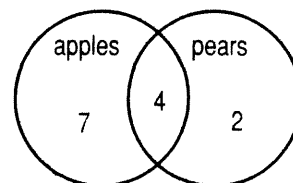
20. In this Venn diagram

_____ like pears

_____ like both

_____ like apples only

_____ like apples



Mental Math Workouts - Set 8 Review

name:

1. prime + prime = composite no.

$$\square + \square = 28$$

Complete with 2 prime numbers.

2. $4\frac{7}{20}$ as a decimal fraction = \square .

3. Complete the table when $y = x^3 + 2$.

X	2	1	3	4
Y			29	

4. There are 2 composite numbers < 20 which have 6 factors each.

They are _____ and _____.

5. Use the pattern to find the fraction equivalents:

$$\frac{1}{4} = \frac{\square}{12} = \frac{\square}{36} = \frac{\square}{108}$$

6. Complex closed curves have intersections. Shade the simple closed curve.



7. Which of these numbers only has 2 factors?

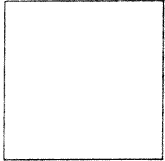
8, 4, 7, 12, 15, 20

8. $(3 \times 6 \times 0 \times 8) > (2 \times 1 \times 2)$ ☐ TRUE ☐ FALSE

9. Write 4 math sentences about this array (2 division and 2 multiplication):

- (a) _____ (b) _____
(c) _____ (d) _____

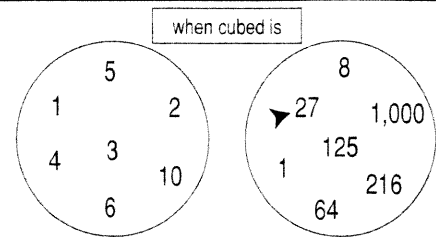


10.  Draw lines in the square to show that 16 is a square number.

11. _____

The total length of these lines = _____ cm
= _____ mm
= _____ m

- 12.



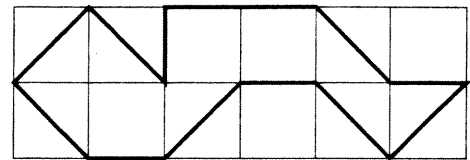
Complete the arrows in the diagram. Your number pairs should support the relation statement in the box.

13. I am a 3-digit number. My last digit is the square of my first which is 4 less than my middle digit. All digits are different and also odd. The number is: \square .

14. $\frac{1}{2}$ of a number plus a $\frac{1}{4}$ of that number is 15.

What is the number? \square

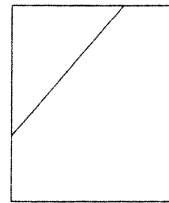
- 15.



The area of half the shape in the cm^2 grid is _____ cm^2 .

16. The difference between 1^{12} and 12^1 is _____.

- 17.



Draw one line inside this shape so it then has 3 pairs of parallel lines, 2 right angles and a diagonal.

18. Shade the shape which has one property different from the others.



19. The answer to 0.1×0.1 is:

- (a) 1.0 (b) 0.1
(c) 0.10 (d) 0.01

20. A Martian writes the number 343 as



How would he/she write 232?

Mental Math Workouts - Set 9 Review

name:

1. Shade 3 consecutive boxes which all contain composite numbers.

10	11	12	13	14	15	16	17
----	----	----	----	----	----	----	----

2.

$$\frac{\square}{4} = \frac{9}{\square \times 4}$$

The missing numerals are the same.

3. A son is $\frac{1}{4}$ his father's age. The difference in their ages is 30 years.

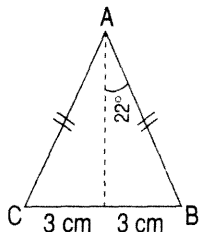
Father's age = _____

Son's age = _____

4. An ordinary teaspoon holds about:

- (a) 200 mL (b) $\frac{1}{2}$ liter
(c) 5 mL (d) 100 mL

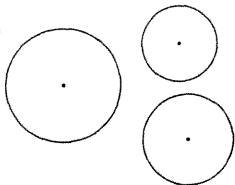
5.



The base angles of an isosceles Δ are congruent.

$\angle ABC = \underline{\hspace{2cm}}^\circ$

6.



One circle's diameter is $\frac{1}{3}$ of another's diameter. Shade both circles.

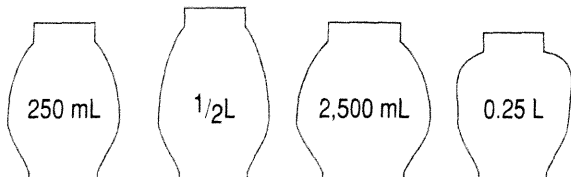
7. The factorial of 3 is the product of the numbers 1, 2, 3 which is 6.

What is the factorial of 5? _____

8. Complete the table below when $y^2 = \frac{1}{2}x$.

y	2	5		1	
x	8		18		32

9. Shade the containers which hold the same amount.



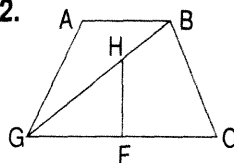
10. The 24-hour clock time 1800 is the same as:

- (a) 8 p.m. (b) 8 a.m. (c) 6 p.m. (d) 6 a.m.

11. A shop reduced the cost of a \$40 shirt by 20%. The new sale price is:

- (a) \$32 (b) \$30 (c) \$20 (d) \$48

12.



Which line segment is perpendicular to (\perp) another?

- (a) $AB \perp GC$ (b) $GB \perp HF$
(c) $AG \perp AB$ (d) $HF \perp GC$

13. 120 large tiles are used on the floor of a bathroom. If another room was twice as long and twice as wide, how many tiles would be needed? _____

14. In a proper fraction the denominator is multiplied by 5. The answer is:

- (a) 5 x bigger (b) a proper fraction
(c) an improper fraction (d) a mixed numeral

15.

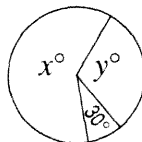
2	1	6	5
3		6	3
7	5	1	1
2	6	1	

Find a pattern and put in the missing numbers.

16. The average of 4 numbers is 10. I add another number and the average is now 12.

What number was added? _____

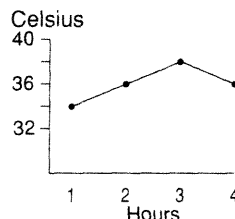
17.



There are 360° in a circle. Angle x is double the size of angle y.

Angle x = _____ $^\circ$ Angle y = _____ $^\circ$

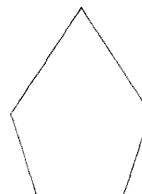
18.



What is the average temperature of 4 readings shown on this patient's line graph?

_____ $^\circ\text{C}$

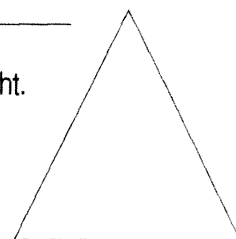
19.



Draw 3 diagonals inside this pentagon and then shade the quadrilateral.

20. The area of a triangle is $\frac{1}{2}$ base x \perp (perpendicular) height. Use your ruler to find the area of this Δ .

_____ cm^2



Mental Math Workouts - Set 10 Review

name:.....

1. Complete the series:
AB2, CD3, EF5, GH7, IJ11, _____

2. When $\frac{3}{8}$ full a jar holds 15 L.
How much does it hold when full? _____ L

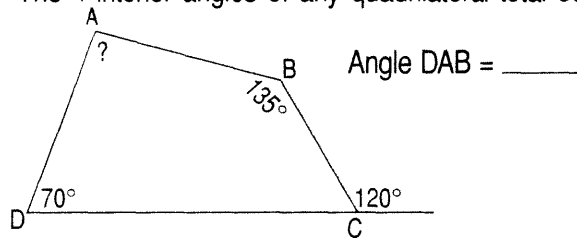
3. Use only three fives (5, 5, 5) and make them equal to six. _____

4. $(0.2)^3 =$ _____

5. Fourteen million, two thousand and thirty is:
(a) 14,020,030
(b) 14,200,030
(c) 14,200,030
(d) 14,002,030

6. Which 2 numbers have a product of 48 and a sum of 19?
_____ and _____

7. The 4 interior angles of any quadrilateral total 360° .



8. $0.308 = 3/\square + 8/\square$

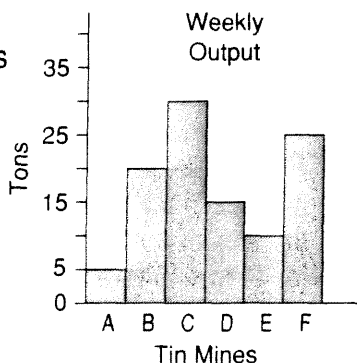
9. $\text{MDCLVI} + \text{XLIV} =$ _____
(Give your answer in Arabic numerals.)

10. Complete the algorithm.

$$\begin{array}{r} 54 \\ 5 \overline{) 235} \end{array}$$

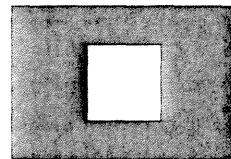
11.

Mine \square produces
 $2\frac{1}{2}$ times the output
of mine \square .



12. Use your ruler to measure the lines and then work out the shaded area.

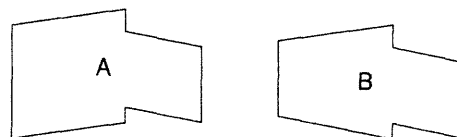
_____ cm^2



13. 4 square kilometers is about the size of a:
(a) swimming pool (b) tennis court
(c) a suburb (d) house

14. Multiplying an even number by 5 gives the same answer as:
(a) twice the number $\times 10$
(b) half the number $\times 10$
(c) half the number $\times 20$
(d) an odd number $\times 10$

15.



The perimeter of shape A is (15 mm, 10 mm, 5 mm, or 2 mm) longer than shape B's perimeter?
Circle answer. (you will need to use your ruler)

16. $\frac{1}{4}$ of $\frac{1}{4}$ of $\frac{1}{4} =$ \square

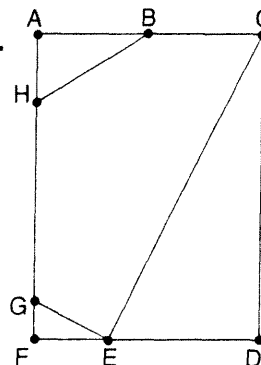
17. A car travels 360 km. If it sets off at 3:30 p.m. and arrives at 1930 hours, what is its average speed. _____ km/h

18. Prime numbers have:
(a) less than 2 factors (b) two factors only
(c) more than 2 factors (d) only one factor

19. Circle the correct math sentence.

- (a) $50\% < \frac{4}{8}$ (b) $\frac{7}{10} > 0.07$
(c) $3\frac{3}{4} \neq 15\frac{1}{4}$ (d) $2^3 = 1^8$

20.



The shortest distance is between point _____ and point _____ and is $\frac{1}{4}$ of the distance between point _____ and point _____.

Mental Math Workouts - Set 11 Review

name:.....

1. Circle the heaviest mass (weight):
 (a) 0.075 tons (b) 75 kg
 (c) 25 kg (d) 0.25 tons

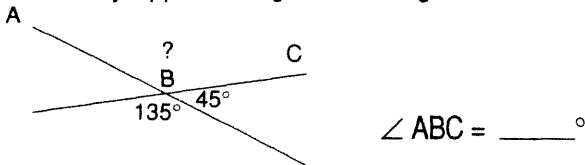
2. Complete the 4 empty boxes with single digit numerals.

$$\begin{array}{r} \square \square \\ \times 3 \\ \hline = 5 \square \\ - \square 5 \\ \hline = \square \square 2 \end{array}$$

3. Use the following numerals to make an equation that equals 10.

$$2 \quad 2 \quad 2 \quad 2 \quad = \quad 10$$

4. Vertically opposite angles are congruent.



5. Simplify by reducing the numbers by canceling like factors to give lowest terms.

$$\frac{240 \times 120}{320 \times 60} = \square$$

6. A Every shape has an exterior (outside) region. This shape has _____ regions and _____ interior (inside) regions.

7. If $y = 20$ then $\frac{y}{4} \times \frac{4}{y} = \text{ }^\circ$

8. Fill in the boxes with consecutive numbers starting with the lowest prime number. Shade the triangular numbers.

--	--	--	--	--	--	--	--	--	--

9. A quarter of half an unknown number is 5.
 The unknown number is _____.

10. What is the modal score from this recorded data below? _____ sec.

Seconds

2	2	5	3	2	4	2	5
---	---	---	---	---	---	---	---

11. Put a decimal point in the number below so that the 5 has a value of $\frac{5}{10,000}$.

2 4 3 6 5 7

12. This angle is

Obtuse Reflex Acute



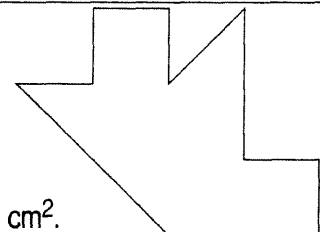
13. A clock strikes 12 times in 11 seconds.
 How long to strike 8?
 A diagram would help. _____ seconds

14. Angle _____ is the largest angle and angle _____ is the smallest (use a protractor).

15. The lowest common multiple of 2, 3, 5, 6 and 10 is: _____

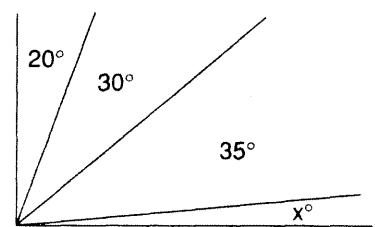
16. How many tiles 12 cm by 8 cm are needed to cover a room 360 cm by 240 cm? _____

17. Use your ruler to divide this shape into square centimeters.

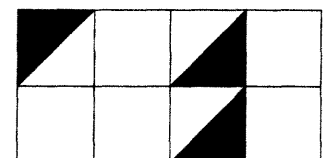


Area of shape = _____ cm^2 .

18. Angle $x = \text{ }^\circ$

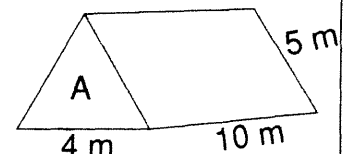


19. The shaded part is:
 (a) $\frac{1}{3}$ of the whole
 (b) $\frac{3}{8}$ of the whole
 (c) $\frac{3}{16}$ of the whole
 (d) $\frac{1}{4}$ of the whole



20. The volume of this triangular prism is:

- (a) area of A \times 5 m
 (b) area of A \times 10 m
 (c) $(4 \text{ m} \times 10 \text{ m}) + 5 \text{ m}$
 (d) $(4 \text{ m} \times 5 \text{ m}) + 10 \text{ m}$



Mental Math Workouts - Set 12 Review

name:.....

1. 3.006 km = _____ meters.

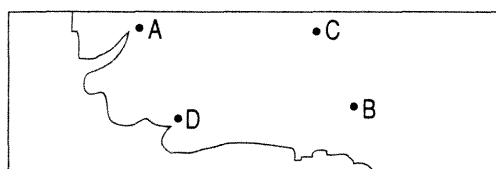
2. Express 81 in three different ways using only index notation.

--	--	--

3. Use $> \neq = <$ to make this math sentence true.

15% 0.15

4. Towns and are 60 km apart.



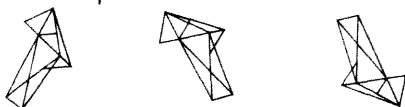
Scale 10 cm
→ 20 km

5. I had 36 marbles. I sold $\frac{2}{3}$ and then gave away 25% of the remainder. How many left? _____

6. 500 m
field 250 m Area of field = _____ hectares.

7. Square two fifths of 20 _____.

8. Shade the shape which is different.

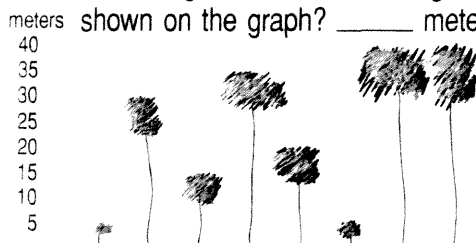


9. What fraction of 3 cm is 6 mm? _____
(In lowest terms.)

10. The highest common factor of 32, 48, 64 and 80 is: _____

11. If a rock has a volume of 27 cm^3 , how many milliliters of water would it displace? _____ mL

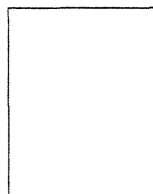
12. What height is the median height of the trees shown on the graph? _____ meters.



13. In the decimal fractions 0.3 and 0.003 the first 3 is:

- (a) 10 x larger than the second 3
- (b) $\frac{1}{10}$ of the second 3
- (c) 1,000 x larger than the second 3
- (d) 100 x larger than the second 3

14.

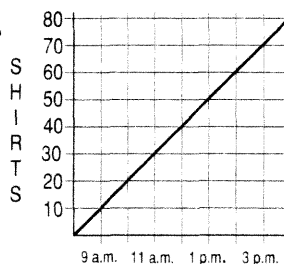


The width of this rectangle is:

- (a) $\frac{1}{5}$ of its perimeter
- (b) $\frac{8}{10}$ of its length
- (c) $\frac{1}{10}$ of its area
- (d) $\frac{2}{5}$ of its length
(Ruler needed.)

15. Express 0.075 as a fraction in lowest terms. _____

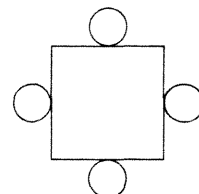
16.



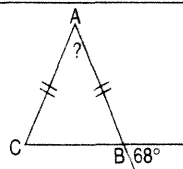
On this straight line graph, how many shirts were made between 10 a.m. and 2:30 p.m.?

_____ shirts

17. Draw in each axis (line) of symmetry in this shape.



18.



Vertically opposite angles are congruent. In this isosceles Δ angle CAB = _____°.

19. What is the arithmetic mean of this data from a science experiment?

_____ secs.

Seconds taken	
Tests: 1.	25
2.	30
3.	28
4.	26
5.	31

20. The perimeter of shape _____ is half the perimeter of shape _____.

